

Field/Lab Analytical Procedures and Equipment Detail

October 27, 2008 14:39:43

0800257

Clear Creek Superfund

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0800257	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotomet er	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotomet er	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	7060A	Active	Arsenic by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7740	Active	Selenium in Various Matrices by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	8260A	Active	Volatile Organics in Waste by CGC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	

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0800597 Ogden Railyard (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0800597	1668	Active	1668	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0800597	OLM04.2 - BNA SI	Active	OLM04.2-BNA SIM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0800597	OLM04.2 - PEST	Active	OLM04.2-PEST/PCB	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0800597	OLM04.2 - SVOA	Active	OLM04.2-SVOA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0800597	TO-14	Active	TO-14	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0800597	TO-14 SIM	Active	TO-14 SIM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0800597	UNKNOWN	Active	UNKNOWN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
ASTM	D4129	Active	Total Carbon and Organic Carbon in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Total Organic Carbon - Coulometry	
HACH	8021	Active	Free Chlorine in Water by DPD	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
NIOSH	1005	Active	Methylene Chloride by GC/FID	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of	Titration	

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Ogden Railyard (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Apparatus	
USEPA	150.2_M	Active	pH in Industrial Waste Materials	USEPA, 19--., CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	602	Active	Purgeable Aromatics in Wastewater by GC	USEPA, 19-- , Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Photoionization Detector	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	7000A(FLAA)	Active	Atomic Absorption - FLAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Flame Atomic Absorption Spectrophotometer	
USEPA	7000A(GFAA)	Active	Atomic Absorption - GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8000B	Active	Organic Compounds by Gas Chromatography	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	8015B	Active	Non-Halogenated Organics Using GC/FID	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Flame Ionization Detector	
USEPA	8080A	Active	Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Electrolytic Conductivity Detector	
USEPA	8082(W)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(S)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	9012A	Active	Total and Amenable Cyanide (Auto UV)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	9040A	Active	pH in Water by Electrometric Measurement	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	
USEPA	9045B	Active	Soil and Waste pH	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	
USEPA	9070	Active	Total Recoverable Oil and Grease	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Laboratory Balance	
USEPA	9071A	Active	Oil and Grease in Sludge and Sediment	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Laboratory Balance	

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0800650

International Smelter (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0800650	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	

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0800650

International Smelter (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	9040A	Active	pH in Water by Electrometric Measurement	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	
USEPA	9045B	Active	Soil and Waste pH	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	

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0800852

Mystery Bridge Road - US Highway 20

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0800852	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	8021A(PID)	Active	Halo and Aromatic Volatiles - CGC/PID	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Photoionization Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

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0801194

Summitville Superfund site (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801194	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	

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0801417

Red Mountain Pass Zinc (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801417	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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0801478 California Gulch (US EPA Region 8)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801478	200.2	Active	Cal Gulch Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0801478	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0801478	ILM05.3	Active	ILM05.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0801478	SOLIDCAL C	Active	Cal Gulch Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0801478	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3500-AG(B)	Active	Silver in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-AL(B)	Active	Aluminum in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-AS(B)	Active	Arsenic in Water by GFAA	American Public Health Association, 1992,	No equipment	

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0801478

California Gulch (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			or HYDAA	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	3500-CA(B)	Active	Calcium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-CD(B)	Active	Cadmium in Water by FLAA/GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-CU(B)	Active	Copper in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-FE(B)	Active	Iron in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-MN(B)	Active	Manganese in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-PB(B)	Active	Lead in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-SE(C)	Active	Selenium in Water by HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Hydride Atomic Absorption Spectrophotometer	
APHA	3500-ZN(D)	Active	Zinc in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water	Spectrophotometer	

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California Gulch (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(C)	Active	Cyanide in Water after Distillation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	4500-SO4(D)	Active	Sulfate in Water by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
USDOI/USGS	I2700	Active	Silica in Water by Colorimetry	USDOI, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	

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0801478

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

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0801478

California Gulch (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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0801478

California Gulch (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.2	Active	Zinc by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active			Colorimeter	

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0801478

California Gulch (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.3	Active	Sulfate by Gravimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	7060A	Active	Arsenic by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Graphite Furnace Atomic	

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0801478 California Gulch (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update II., USEPA, SW-846_II	Absorption Spectrophotometer	
USEPA	7131A	Active	Cadmium by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7211	Active	Copper by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7421	Active	Lead by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7761	Active	Silver by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	9040A	Active	pH in Water by Electrometric Measurement	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	
USEPA	9050	Active	Specific Conductance	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Conductivity Bridge	

Field/Lab Analytical Procedures and Equipment Detail

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0801478

California Gulch (US EPA Region 8)

Procedure
Source

Procedure
ID

Status

Procedure
Name

Citation

Equipment

Comparable
National
Procedure ID

Field/Lab Analytical Procedures and Equipment Detail

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0801505

French Gulch Superfund site (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801505	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	3500-SE(C)	Active	Selenium in Water by HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Hydride Atomic Absorption Spectrophotometer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	204.2	Active	Antimony by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption	

Field/Lab Analytical Procedures and Equipment Detail

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0801505

French Gulch Superfund site (US EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.3	Active	Sulfate by Gravimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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0801600 Captain Jack Mine (Colorado)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801600	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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0801695

Region 8 Superfund: Delta 400 West Plume

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801695	OLM04	Active	OLM04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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0801698

Region 8 Superfund: 3700-3800 West 2100 South Solvent Plume

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801698	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0801698	OLM04	Active	OLM04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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0801800

Region 8 Superfund: Colorado and Evans PCE

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801800	OLC03	Active	OLC03	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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0801801

Region 8 Superfund: Fillmore and Cascade PCE Plume

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801801	OLC03	Active	OLC03	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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0801812

Region 8 Superfund: Murray Laundry 4200 S State Plume

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801812	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0801812	OLM04	Active	OLM04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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0801845

Region 8 Superfund: 5400 South 3600 West Plume

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801845	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0801845	OLM04	Active	OLM04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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0801966

Region 8 Superfund: Upper Uncompahgre River

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0801966	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
0801966	ILM05.3	Active	ILM05.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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081575 Slide Mine Boulder County Colorado

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
081575	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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081577

Vasquez Blvd and I-70

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	

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081700 Gilt Edge Mine						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
081700	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
081700	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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081700

Gilt Edge Mine

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8015B	Active	Non-Halogenated Organics Using GC/FID	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Flame Ionization Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	ICP-AES	Active	Inductively Coupled Plasma	USEPA, 19--., CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Inductively Coupled Plasma Combined with Mass Spectrophotome	

Field/Lab Analytical Procedures and Equipment Detail

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0834QB00

Cheyenne River

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
0834QB00	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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11113300 New Hampshire Dept. of Environmental Services

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11113300	10-510-00-1-A	Active	Potassium LACHAT METHOD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11113300	1104	Active	Test Methods for E. Coli in drinking Water	US EPA Research and Development, Cincinnati, Ohio, 1991, Test Methods for Escherichia Coli in Drinking Water, US EPA - Federal Register, Test Method 1104		
11113300	353(VAR)	Active	NITRATE/NITRITE VARIATION OF EPA 353	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11113300	APHA 3.0	Active	Total Fecal Coliform	American Public Health Association, 1995, Standard Methods for the Examination of Water and Wastewater, APHA, 19th edition		
11113300	ASTM D6503-99(2)	Active	Standard Test Method for Enterococci in Water Using Enterolert	D6503-99 - ASTM, 2005, Standard Test Method for Enterococci in Water Using Enterolert , ASTM International, D19324		
11113300	DUFOUR MTEC	Active	Membrane filter method for enumerating Escherechia coli	Dufour, Alfred P., Edley R. Strickland, and Victor Cabelli, 1981, Membrane Filter method for enumerating Escherechia coli, Applied and Environmental Microbiology, 41(5):1152-1158		
11113300	HACH 10029	Active	m-ColiBlue24	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This Broth allows for the simultaneous detection of total coliform bacteria and E. coli within 24 hrs. An enzymatic indicator in the medium causes non-fecal total coliform colonies grown on the m-coliBlue24 medium to be red, while the E. coli (fecal coliform) colonies are blue. EPA Approved Method 10029						
11113300	HACH 8025	Active	Apparent Color by Spectrophotometer at 455nm	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
11113300	LIMNO QA MANUAL	Active	Chlorophyll a (PROBE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description SCUFA						
11113300	RIVERFLO W	Active	VRAP and RASP method for determining river flow	Bovee, K.D., and R. Milhous, 1978, Hydraulic Simulation in instream flow studies: Theory and		

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11113300

New Hampshire Dept. of Environmental Services

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Techniques, US Fish and Wildlife Service, Instream Flow Pap #5		
11113300	SECCHI	Active	Determining water transparency by Secchi Disk	Olem, H. and G. Flock, 1990, Lake and Reservoir Restoration Guidance Manual, EPA, 2nd edition		
11113300	SHELLFISH FLOW	Active	Shellfish Flow Methodology	Chapman, Andrew and Chris Nash, 1992, Quality Assurance Project Plan for Shellfish Sanitary Surveys, New Hampshire Department of Environmental Services Shellfish Program, 55-56		
11113300	SM 19 9213.D.3	Active	E. Coli Counts	American Public Health Association, 1995, Standard Methods for the Examination of Water and Wastewater, APHA, 19th edition		
11113300	SM 2320 B	Active	Low Alkalinity Titration to pH 4.5	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description 1- The ecoregional character of NH lakes makes using a more dilute acid result in the higher sensitivity required to obtain adequate results. Thus, a titrant of .002N H2SO4 is used instead of the .02N acid of standard method. 2- While lab analysis typically uses a pH meter, for the field we use a pH indicator solution for efficiency unless the water has high organic color. A mixed bromocresol green-methyl red indicator allows for a sharper equivalence point at the lower pH that the test requires. It is greenish-blue at pH 5.2, light blue at pH 5.0, light gray at pH 4.8, and light pink at pH 4.5. Upon special request the protocol can be followed using the Hanna Model HI-9025 pH meter instead of indicator solution. Follow the protocols outlined below but skip step C.2. and substitute pH 4.8 for gray endpoint and pH 4.5 for pink endpoint.						
11113300	SM 4110 A	Active	Metals	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
11113300	SM 4500-NH3-H	Active	NITROGEN, AMMONIUM (NH4) AS NH4	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
11113300	SM 4500-P-	Active	PHOSPHORUS,	American Public Health Association, 1998,		

Field/Lab Analytical Procedures and Equipment Detail

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11113300 New Hampshire Dept. of Environmental Services

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	F		ORTHOPHOSPHATE AS P	Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
11113300	SM 5310 A	Active	Organic Carbon	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
11113300	SM 9213.D.3	Active	E. Coli Counts	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
11113300	SM 9230.C.2	Active	Enterococci	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
11113300	UNKNOWN	Active	Exact field or lab method is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2120-C	Active	Color in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	4110-B	Active	Anions in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NO3(D)	Active	Nitrate in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5210-C	Active	Ultimate Biochemical Oxygen Test	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	5910-B	Active	UV - Absorbing Organic Compounds	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	9213-D	Active	E. coli method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
HACH	10029	Active	m-ColiBlue24 Method of the Determination of Total Coliforms and E. coli	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8025	Active	Color, APHA Platinum-Cobalt	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
IDEXX	ENTEROLE RT	Active	Enterolert Quanti-Tray; Multi Tube, Multi Well, for Enterococci	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	1104	Active	E. coli in Drinking Water/EC Medium with Mug Tub	USEPA, 1991, Test Methods for Escherichia coli in Drinking Water., USEPA, EPA 600/4-91-016		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue -	USEPA, 1983, Methods for Chemical Analysis of	Laboratory	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			TSS	Water and Wastes, USEPA, EPA 600/4-79-020	Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200	Active	Metals by Atomic Absorption	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotomet er	
USEPA	202.2	Active	Aluminum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(C)	Active	Ammonia Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.3	Active	Ammonia Nitrogen Using an	USEPA, 1983, Methods for Chemical Analysis of	Ion Selective	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			ISE	Water and Wastes, USEPA, EPA 600/4-79-020	Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(B)	Active	Total Kjeldahl Nitrogen - Nesslerization	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	9056	Active	Anion Chromatography Method	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Ion Chromatograph	
11113300	ENTEROLE RT	Susp	ENTEROLERT FOR AMBIENT WATER TESTING	US EPA, 2003, Guidelines Establishing Test Procedures for the Analysis of Pollutants; Analytical Methods for Biological Pollutants in Ambient Water; Final Rule, US EPA Federal Registry, 40 CFR Part 136		

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1111REG1

USEPA, Region I

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
1111REG1	BIOLOGY001	Active	Fecal Coliform Analysis	Jack Paar, III, 1998, Fecal Coliform Analysis, U.S. EPA Office of Environmental Measurement and Evaluation, OEME SOP A102		

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1117MBR US EPA Region 7

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
1117MBR	FM-PH	Active	pH of Water by Field Measurement	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
1117MBR	M1613 REV B	Active	PCDD/PCDF in soil by GC/HRMS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Capillary GC with High Resolution Mass Spectrophotometer	
1117MBR	RAFT FISH PARAM	Active	RAFT Fish Field Parameters	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
1117MBR	REMAP FIELD PAR	Active	REMAP Field Parameters	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
1117MBR	RLAB M3230.2	Active	Extraction and Analysis of Water, Solids and Hazardous Wast for Semivolatile Organic Compounds	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	RLABM312 1.14D	Active	Mercury by AA-Semi Automated for All Matrices	R7 AMM - US EPA Region 7 Laboratory, Updated Annually, US EPA Region 7 Laboratory Analytical Methods Manual, US EPA Region 7 Laboratory, .		
Description Analysis of samples for mercury by RLAB Method 3121.14D						
1117MBR	RLABM312 2.3A	Active	Analysis of Metals by PE Optima 3000 ICAP	R7 AMM - US EPA Region 7 Laboratory, Updated Annually, US EPA Region 7 Laboratory Analytical Methods Manual, US EPA Region 7 Laboratory, .		
Description Analysis of samples by RLAB Method 3122.3A.						
1117MBR	RLABM321 0.3C	Active	Preparation of Fish Samples for Pesticide/PCB Analysis	R7 AMM - US EPA Region 7 Laboratory, Updated Annually, US EPA Region 7 Laboratory Analytical Methods Manual, US EPA Region 7 Laboratory, .		
Description Fish samples are prepared by RLAB Method 3210.3C for analysis by RLAB Method 3240.2E (GC/EC).						
1117MBR	RLABM324 0.2E NP	Active	Organochlorine Pesticides and PCBs	R7 AMM - US EPA Region 7 Laboratory, Updated Annually, US EPA Region 7 Laboratory Analytical Methods Manual, US EPA Region 7 Laboratory, .		

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1117MBR

US EPA Region 7

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Analysis of samples by RLAB Method 3240.2E, except that a nitrogen phosphorus detector (NPD) is used instead of an electron capture detector (ECD).						
1117MBR	SOP2336.10	Active	pH Determination Using the Fisher Accumet Model 925 pH Meter	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .	pH meter	
1117MBR	SOP2336.6	Active	Conductivity Using a YSI Model 32 Meter	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP2336.7	Active	Dissolved Oxygen Determination Using the YSI Model 58 Meter	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP2336.8	Active	Determination of Water Hardness: EDTA Titrimetric Method	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3121.14	Active	Mercury by AA-Semi Automated for All Matrices	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3121.21	Active	Determination of Trace Elements by Stabilized Temperature Graphite Furnace Atomic Absorption	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3122.3	Active	Analysis of Metals by PE Optima 3000 ICAP	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3124.2	Active	Spectrophotometric Method for Hexavalent Chromium in Water	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3124.3	Active	Determination of Hexavalent Chromium in Soil Using Capillary Electrophoresis	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3132.1	Active	Automatic Operation for Titration Alkalinity	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND		

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1117MBR

US EPA Region 7

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3133.1	Active	Nitrogen, Ammonia in Aqueous Samples, Colorimetric, Automated Phenate	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3133.2	Active	Nitrogen, Nitrate-Nitrite in Aqueous Samples Colorimetric, Automated Cd Reduction	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3133.5	Active	Phosphorous-Ortho in Aqueous Samples Colorimetric, Automated, Ascorbic Acid	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3135.1	Active	Automatic Operation for Titrating Chlorine in Water/Sediment	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3135.2	Active	Cyanide, Total and Amenable in Aqueous Samples Colorimetric Automated uv.	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3135.4	Active	pH, Soil	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3135.5	Active	pH Lab, Water	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3135.6	Active	Fluoride	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3135.7	Active	Cyanide, Total & Amenable in Soil Samples Colorimetric, Automated,	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		

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1117MBR		US EPA Region 7				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			with Manual Digestion			
1117MBR	SOP3135.8	Active	Sulfide in Aqueous Samples, Automated, Colorimetric, Methylene Blue	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3142.3	Active	NFS - Non-Filterable Solids	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3142.8	Active	Turbidity	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .	Nephelometer	
1117MBR	SOP3142.9	Active	Determination of Percent Solids in Soil and Sediment	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3152.2	Active	reserved -----Oil & Grease in Water ??????????	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3153.1	Active	Biochemical Oxygen Demand (Total and Carbonaceous) for Wastewater	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3153.2	Active	COD, Water Samples, Test Tube - Colorimetric Method	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3154.1	Active	Phenolics, Total Recoverable Colorimetric, Automated 4-AAP with Distillation	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3161.1 A	Active	Chlorophyll Analysis	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3210.3	Active	Extraction of Fish Samples	USEPA, REGION 7, ENVIRONMENTAL		

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1117MBR		US EPA Region 7				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			for Pesticide/PCB Analysis & % Lipid Determination	SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3230.1	Active	GC/MS Analysis of Volatile Organic Compounds in an Aqueous Matrix	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3230.2	Active	Extraction and Analysis of Water and Solids for Semivolatile	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .	Capillary Gas Chromatograph with Mass Spectrophotometer	
1117MBR	SOP3240.2	Active	Organochlorine Pesticides and PCBs	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3240.4	Active	Determination of 1,2-Dibromoethane (EDB) and 1,2-Dibromo-3-Chloropropane (DBCP) by Electron Capture Gas Chromatography	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3240.5	Active	Determination of Chlorinated Acids in Water by Gas Chromatography with an Electronic Capture Detector	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP3260.3	Active	Determination of Polycyclic Aromatic Hydrocarbons in Drinking Water by Liquid-Solid Extraction and HPLC	USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .		
1117MBR	SOP4201S O2	Active	Phenolics, Total Recoverable in Soil??????	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass	

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1117MBR

US EPA Region 7

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotome	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	

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1119USBR Bureau of Reclamation						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
1119USBR	31627	Active	E. coli membrane filter	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
1119USBR	9213-D	Active	E. coli membrane filter	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
1119USBR	9230 C	Active	Streptococcus	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
1119USBR	BIOMASS	Active	biomass dry weight	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
1119USBR	EC	Active	Field EC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
1119USBR	I3026	Active	Arsenic, HYAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1		
1119USBR	P31627	Active	E coli	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
1119USBR	P680	Active	TOTAL ORGANIC CARBON (TOC)	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS		
1119USBR	P681	Active	Dissolved Organics Carbon	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		

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1119USBR Bureau of Reclamation						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
1119USBR	P70301	Active	TOTAL SUSPENDED SOLIDS (TSS)	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1		
1119USBR	P80154	Active	Suspended Sediment Concentration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
1119USBR	P82078	Active	FIELD TURBIDITY	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	STD Vertical Profiler - Multi Probe	
1119USBR	P931	Active	SODIUM ABSORPTION RATIO	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
1119USBR	P94	Active	Field Specific Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
1119USBR	PH	Active	Field pH	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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1119USBR		Bureau of Reclamation				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	3114-B	Active	Metals in Water by Manual HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Hydride Atomic Absorption Spectrophotometer	
APHA	3114-C	Active	Metals in Water by Continuous HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Hydride Atomic Absorption Spectrophotometer	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USDOI/USGS	I1327	Active	Fluoride in Water Using an ISE	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Selective Electrode	
USDOI/USGS	I2700	Active	Silica in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	1103.1	Active	Escherichia coli in Water by Membrane Filtration Using membrane-Thermotolerant E. coli Agar (mTEC)	USEPA, 2002, Method 1103.1: Escherichia coli (E. coli) in Water by Membrane Filtration Using membrane-Thermotolerant Escherichia coli Agar (mTEC) (September 2002), USEPA, EPA 821-R-02-020		
USEPA	1106.1	Active	Enterococci in Water by	USEPA, 2002, Method 1106.1: Enterococci in		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Membrane Filtration Using membrane-Enterococcus-Esculin Iron Agar (mE-EIA)	Water by Membrane Filtration Using membrane-Enterococcus-Esculin Iron Agar (mE-EIA) (September 2002), USEPA, EPA 821-R-02-021		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	140.1	Active	Odor in Water Using a Consistent Series	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	212.3	Active	Boron by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of	Flame Atomic	

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1119USBR

Bureau of Reclamation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	

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1119USBR Bureau of Reclamation						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotometer	

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1119USBR		Bureau of Reclamation				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Reagent Colorimetry	Water and Wastes, USEPA, EPA 600/4-79-020	er	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.2	Active	Low Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	9132	Active	Total Coliform by Membrane Filter	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Optical Microscope	

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11DELMOD		Delaware River Basin Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
11DELMOD	DISCH- INCR	Active	Discharge - Incremental Velocity Area Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Acoustic Velocity Meter	
11DELMOD	GAGEHT	Active	Gage height - water surface elevation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	River Gage	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-C	Active	Total Dissolved Oxygen by Titration- Azide Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	

Field/Lab Analytical Procedures and Equipment Detail

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11DELMOD		Delaware River Basin Commission				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
USEPA	1106_1	Active	Enterococci in Water by Membrane Filter	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	

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11DELMOD		Delaware River Basin Commission				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

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11FLKNMS

Florida Keys National Marine Sanctuary (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11FLKNMS	RYAN_RTM 2000	Active	Ryan Industries, Inc. RTM 2000 Thermograph	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<p>Description Max. Limit: 37.4 deg C Min. Limit: -32.2 deg C Accuracy: 0.5 deg C Standards Body: NIST</p> <p>A hollow, pre-cast concrete coral head or concrete and PVC monument have been used to protect and conceal thermographs. Where appropriate, bolt-on stainless steel brackets were used to secure instruments to structural supports (e.g. concrete or steel pilings) of fixed bridges or navigational aids.</p> <p>Experience has shown that a 2 hour recording mode is adequate to monitor changes in reef tract bottom water temperature. Data has been collected, on average, annually from all instruments. Due to mechanical problems with some instruments, there are occasional gaps in the data streams from some of the monitoring stations.</p>						
11FLKNMS	SEABIRD_S BE39	Active	Sea-Bird Electronics, Inc. SBE 39 Thermograph	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<p>Description Max. Limit: 35 deg C Min. Limit: -5 deg C Accuracy: 0.002 deg C Standards Body: NIST</p> <p>A hollow, pre-cast concrete coral head or concrete and PVC monument have been used to protect and conceal thermographs. Where appropriate, bolt-on stainless steel brackets were used to secure instruments to structural supports (e.g. concrete or steel pilings) of fixed bridges or navigational aids.</p> <p>Experience has shown that a 2 hour recording mode is adequate to monitor changes in reef tract bottom water temperature. Data has been collected, on average, annually from all instruments. Due to mechanical problems with some instruments, there are occasional gaps in the data streams from some of the monitoring stations.</p>						

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11NPSWRD

National Park Service

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	ALPO_FE2	Active	Fe(II) Modified from L. Stookey	ALPO00000001 - Stookey, L., 1970, Ferrozine-A new spectrophotometric reagent for iron, Anal. Chem., (42):779-781	Spectrophotometer	
Description Fe(II), reduced iron, was determined by a spectrophotometric method which employs complexation with ferrozine. The procedure employed is a slight modification of that described by L. Stookey in this citation. In the modification, the reducing agent hydroxylamine hydrochloride was omitted so that only ferrous iron is detected.						
11NPSWRD	CABR_SBE 13DO	Active	Seabird Model SBE-13 Dissolved Oxygen Sensor Field Dissolved Oxygen Measurement	CABR_OMPQA03 - City of San Diego, Ocean Monitoring Program, Technical Editor Timothy Stebbins, PhD, Jan. 2004, City of San Diego Quality Assurance Manual Ocean Monitoring Program 2003, City of San Diego, Ocean Monitoring Program, Metropolitan Wastewater Department, Environmental Monitoring Division, 106 pages	Probe	
Description A Seabird model SBE-13 Dissolved Oxygen Sensor attached to either a Seabird SBE-25 or SBE-9 CDT unit is was used to measure dissolved oxygen.						
11NPSWRD	CABR_SBE 18PH	Active	Seabird Model SBE-18 pH Sensor Field pH Measurement	CABR_OMPQA03 - City of San Diego, Ocean Monitoring Program, Technical Editor Timothy Stebbins, PhD, Jan. 2004, City of San Diego Quality Assurance Manual Ocean Monitoring Program 2003, City of San Diego, Ocean Monitoring Program, Metropolitan Wastewater Department, Environmental Monitoring Division, 106 pages	Probe	
Description A Seabird model SBE-18 pH Sensor attached to either a Seabird SBE-25 or SBE-9 CDT unit was used to measure pH.						
11NPSWRD	CABR_SBE 3TEMP	Active	Seabird Model SBE-3 Temperature Sensor Field Temperature Measurement	CABR_OMPQA03 - City of San Diego, Ocean Monitoring Program, Technical Editor Timothy Stebbins, PhD, Jan. 2004, City of San Diego Quality Assurance Manual Ocean Monitoring Program 2003, City of San Diego, Ocean Monitoring Program, Metropolitan Wastewater Department, Environmental Monitoring Division, 106 pages	Probe	
Description A Seabird model SBE-3 Temperature Sensor attached to either a Seabird SBE-25 or SBE-9 CDT unit was used to measure temperature.						
11NPSWRD	CABR_SBE 4_C-S	Active	Seabird Model SBE-4 Conductivity Sensor Salinity	CABR_OMPQA03 - City of San Diego, Ocean Monitoring Program, Technical Editor Timothy	Probe	

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11NPSWRD

National Park Service

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Field Measurement	Stebbins, PhD, Jan. 2004, City of San Diego Quality Assurance Manual Ocean Monitoring Program 2003, City of San Diego, Ocean Monitoring Program, Metropolitan Wastewater Department, Environmental Monitoring Division, 106 pages		
	Description A Seabird model SBE-4 Conductivity Sensor attached to either a Seabird SBE-25 or SBE-9 CDT unit was used to measure conductivity and then the conductivity values are converted to salinity using the Seasoft software output portion of the program.					
11NPSWRD	CABR_SEN SO_P-D	Active	Sensometrics Model SP91PFS-500A Pressure Sensor Field Density Measurement	CABR_OMPQA03 - City of San Diego, Ocean Monitoring Program, Technical Editor Timothy Stebbins, PhD, Jan. 2004, City of San Diego Quality Assurance Manual Ocean Monitoring Program 2003, City of San Diego, Ocean Monitoring Program, Metropolitan Wastewater Department, Environmental Monitoring Division, 106 pages	Probe	
	Description A Sensometrics model SP91PFS-500A Pressure Sensor attached to either a Seabird SBE-25 or SBE-9 CDT unit is used to measure necessary parameters and the values are converted to density using the Seasoft software output portion of the program.					
11NPSWRD	CABR_WET _FL-CHL	Active	Wet Star Fluorometer Chlorophyll Field Measurement	CABR_OMPQA03 - City of San Diego, Ocean Monitoring Program, Technical Editor Timothy Stebbins, PhD, Jan. 2004, City of San Diego Quality Assurance Manual Ocean Monitoring Program 2003, City of San Diego, Ocean Monitoring Program, Metropolitan Wastewater Department, Environmental Monitoring Division, 106 pages	Probe	
	Description A WETLabs Inc. WETStar fluorometer is used to measure the chlorophyll a concentration by measuring the fluorescence emission of an in-situ sample.					
11NPSWRD	CACO_101 07041A	Active	Nitrate/Nitrite (Cadmium Reduction Method)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	AutoAnalyzer	
	Description Lachat Instruments QuikChem Method 10-107-04-1-A					
11NPSWRD	CACO_101 07043B	Active	Total Nitrogen Inline Persulfate Digestion	LACHAT_00001 - Liao, N., August 6, 2003, Determination of Total Nitrogen in Waters by In-Line Digestion Followed by Flow Injection Analysis, Lachat Instruments, 1	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	CACO_101 07061C	Active	Ammonium, Phenolate Method	LACHAT_00002 - Knepel, K. and K. Bogren, November 2001, Determination of Ammonia by Flow Injection Analysis Colorimetry, Lachat Instruments, None	AutoAnalyzer	
Description Determination of Ammonia by Flow Injection Analysis Colorimetry. Adapted from Lachat QuickChem Method 10-107-06-1-A. Note: EDTA is added to the sample in-line in order to prevent precipitation of calcium and magnesium ions.						
11NPSWRD	CACO_101 15011F	Active	Total Phosphorus: Acid Persulfate Digestion	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	AutoAnalyzer	
Description Adapted from Lachat QuikChem method #10-115-01-1-F.						
11NPSWRD	CACO_105 11001A	Active	IC \bar{z} Anions, Chloride, Sulfates, (rapid determination)	LACHAT_00003 - Karmarkar, S. and T. Bahowick, September 16, 2003, Rapid Determination of Chloride, Nitrate, Phosphate, and Sulfate by Ion Chromatography, LACHAT INSTRUMENTS, 1		
11NPSWRD	CACO_311 07041BC	Active	Total Nitrogen Nitrates/Nitrites Method	LACHAT_00004 - Diamond, D., September 16, 2003, Determination of Nitrate and/or Nitrite in Brackish or Seawater by Flow Injection Analysis Colorimetry, Lachat Instruments, 1	AutoAnalyzer	
Description Adapted from Lachat method# 31-107-04-1-B or C.						
11NPSWRD	CACO_311 15011G	Active	Orthophosphates	LACHAT_00005 - Liao, N., August 27, 2003, Determination of Orthophosphate in Waters by Flow Injection Analysis Colorimetry, Lachat Instruments, 1	AutoAnalyzer	
Description Adapted from Lachat method # 31-115-01-1-G.						
11NPSWRD	CACO_ALK PH_TITR	Active	Kettle Pond Monitoring - pH and Alkalinity Titrations	CACO_0000001 - Cape Cod National Seashore, October 19, 1999, Kettle Pond Monitoring - pH and Alkalinity Titrations, Cape Cod National Seashore, n/a	Glass Buret	
11NPSWRD	CACO_CAT IONS	Active	Cations, Atomic Absorption Spectrometry	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	CACO_CHL_ORO_A	Active	Spectrophotometric Determination of Chlorophyll	WRD_00000003 - American Public Health Association, 1985, Standard Methods for the Examination of Water and Wastewater. 16th edition., American Public Health Association, 16th Edition	Spectrophotometer	APHA/10200-H
Description Adapted from Standard Method #10200 H.						
11NPSWRD	CACO_DO_WINK_75	Active	DO by Winkler Titration in 1975	WRD_00000004 - American Public Health Association, 1971, Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 13th Edition		
11NPSWRD	CACO_DO_YSIWINK	Active	DO by YSI or Winkler Titration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description DO by YSI DO probe or Winkler Titration. See CACO_YSI_DO and CACO_WINK_DO for details.						
11NPSWRD	CACO_FE2 +	Active	Ferrous Iron, Ferrozine Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Spectrophotometer	
Description Method adapted from Ferrozine Method.						
11NPSWRD	CACO_LICOR	Active	Light Transmittance in Water Column	CACO_LICOR - LI-COR, Inc., July, 1991, LI-COR Terrestrial Radiation Sensors, Type SA Instruction Manual, LI-COR, Inc. No. 8609-56, None	Handheld Light Meter, Probe with on Deck Display	
Description One LICOR sensor is attached at the surface of the water and the other is lowered with the YSI 6820 through the water column--percent light detected at each meter through the water column (to the bottom) is recorded. See CACO Kettle Pond Water Quality Monitoring Protocol.						
11NPSWRD	CACO_LVL_FROMMSL	Active	Well Water Level Measured From Mean Sea Level	CACO_0000002 - McCobb, T.D. and P.K. Weiskel, 2003, Long-Term Hydrologic Monitoring Protocol for Coastal Ecosystems, U.S. Geological Survey, 94p		
11NPSWRD	CACO_PHOTOMETER	Active	Protomatic Photometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Measures underwater illuminance. A photocell points vertically upwards for incident light while a second photocell is directed vertically downwards for reflected-scattered light						
11NPSWRD	CACO_WINK_DO	Active	DO by Winkler Titration	WRD_00000003 - American Public Health Association, 1985, Standard Methods for the		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Examination of Water and Wastewater. 16th edition., American Public Health Association, 16th Edition		
11NPSWRD	CRLA_14C_PHYTO	Active	Phytoplankton Productivity In Situ with 14C	Larson, Douglas W., 1972, Temperature, Transparency, and Phytoplankton Productivity in Crater Lake, Oregon, Limnology and Oceanography, Vol.17 No.3, 410-417	Liquid Scintillation Counter	
Description Phytoplankton productivity was measured in situ with 14C. Water samples were collected with the Van Dorn bottle at the surface and from various depths. A 125 mL portion of the water from each sample was inoculated with 1 mL of a stock solution of 14C-Na2CO3 (5.0 uCi/mL) and returned to the depth from which it was drawn. Following a 4 hour incubation period (1000-1400 hours) the samples were retrieved and Millipore filtered (AA-type filters). The filters were stored in a desiccator for 1 or 2 days. Each filtered was then immersed in 20 mL of toluene+PPO+POPOP scintillator solution and counted by liquid scintillation (Packard model 2002 tricarb spectrometer). The author did not report results from each depth, instead he reported a value that represents the total phytoplankton production for the incubation period calculated from the individual depth samples.						
11NPSWRD	CRLA_AAS_CA	Active	Calcium by Atomic Absorption Spectroscopy	Thompson, J. Michael, L. Douglas White, and Manuel Nathenson, 1987, Chemical Analyses of Waters from Crater Lake, Oregon, and Nearby Springs, USGS Open File Report 87-587, U.S. Geological Survey, USGS OFR 87-587	Atomic Absorption Spectrophotometer	
Description Calcium was determined by atomic absorption spectroscopy (AAS) in a stoichiometric air-acetylene flame with added La (III) (1.0 percent v/v) at 422.7 nm.						
11NPSWRD	CRLA_AAS_MG	Active	Magnesium by Atomic Absorption Spectroscopy	Thompson, J. Michael, L. Douglas White, and Manuel Nathenson, 1987, Chemical Analyses of Waters from Crater Lake, Oregon, and Nearby Springs, USGS Open File Report 87-587, U.S. Geological Survey, USGS OFR 87-587	Atomic Absorption Spectrophotometer	
Description Magnesium was determined by atomic absorption spectroscopy (AAS) in a stoichiometric air-acetylene flame with added La (III) (1.0 percent v/v) at 285.2 nm.						
11NPSWRD	CRLA_ATIT_R_CL	Active	Chloride by Automated AgNO3 Titration	Thompson, J. Michael, L. Douglas White, and Manuel Nathenson, 1987, Chemical Analyses of Waters from Crater Lake, Oregon, and Nearby Springs, USGS Open File Report 87-587, U.S. Geological Survey, USGS OFR 87-587	Titration Apparatus	
Description Chloride was determined by an automated AgNO3 titration.						
11NPSWRD	CRLA_BOF_PLNKTN	Active	U.S. BOF Plankton Enumeration at Crater Lake	Kemmerer, George, J.F. Bovard, and W.R. Boorman, 1924, Northwestern Lakes of the	Optical Microscope	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				United States: Biological and Chemical Studies with the Reference to Possibilities in Production of Fish, United States Bureau of Fisheries, Bulletin Vol. XXXIX		
Description	In enumerating the organisms, the catch was concentrated to a volume of 10 cc. After shaking the material thoroughly, 2 cc. were removed with a piston pipette and the Crustacea and Rotifera therein were counted with a binocular dissecting microscope. The number obtained in this count multiplied by 5 gave the total number for the catch. The concentrated sample was again shaken, and 1 cc of material was transferred to a Sedgwick-Rafter counting cell for the enumeration of Protozoa and Protophyta. A compound microscope was used for this enumeration, and the number of organisms in the catch could be readily determined. The results for the Crustacea and Rotifera as well as those for the Protozoa and Protophyta, were finally computed to the number of individuals per cubic meter of water.					
11NPSWRD	CRLA_BOF_SVTEMP	Active	Water Temperature by Schmidt-Vossberg Thermometer	Kemmerer, George, J.F. Bovard, and W.R. Boorman, 1924, Northwestern Lakes of the United States: Biological and Chemical Studies with the Reference to Possibilities in Production of Fish, United States Bureau of Fisheries, Bulletin Vol. XXXIX	Thermometer	
Description	Temperature was determined with a Schmidt-Vossberg thermometer, attached to a calibrated sample line. The thermometer's model number is unknown.					
11NPSWRD	CRLA_BOT_T_PPM	Active	Bott Primary Production Method	Bott, T.L., J.T. Brock, C.E. Cushing, S.V. Gregory, D. King, and R.C. Peterson, 1978, A Comparison of Methods for Measuring Primary Productivity and Community Respiration in Streams, Hydrobiologia, Vol.60, pp. 3-12		
Description	Primary production was measured by placing substrates in recirculating chambers. The chambers were held in a water bath at 13 degrees Celsius; artificial arc lamps maintained a light intensity of 400 uE*m ⁻² *s ⁻¹ . The light intensity is sufficient to saturate photosynthesis. Changes in dissolved oxygen concentrations in the closed chambers were measured for three hour incubation periods. Changes in oxygen concentrations in chambers in the dark represent community respiration and changes in the light represent net community primary production; gross primary production is calculated by adding community respiration and net community primary production for the photoperiod (Bott et al. 1978).					
11NPSWRD	CRLA_CCA_L_303A	Active	SM 15th Ed Method 303A Flame Atomic Absorption with Perkins-Elmer 5000 Spectrophotometer	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	Flame Atomic Absorption Spectrophotometer	
Description	Calcium, Magnesium, Sodium, and Potassium were determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Standard Methods 15th Edition, Method 303A Flame Atomic Absorption. From 1996-2004 the instrument used was a Perkins-Elmer 5000 atomic absorption spectrophotometer.					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	CRLA_CCA L_4034C	Active	Alkalinity by Standard Methods 15th Edition Method 403, Procedure 4C	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	Titration Apparatus	
Description Alkalinity was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Method 403 (Standard Methods 15th Edition) Procedure 4C, titrated to pH 4.5 (Modifications: Use 0.02N Na2CO3 and 0.02N H2SO4) using a Radiometer type TTT 1c auto-titrator with glass pH electrode, calomel reference electrode and temperature compensator electrode.						
11NPSWRD	CRLA_CCA L_417F	Active	Ammonia by Standard Methods 15th Edition Method 417F	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	AutoAnalyzer	
Description Ammonia was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Method 417F (Standard Methods 15th Edition), colorimetric automated phenate method and using a Technicon Auto-Analyzer.						
11NPSWRD	CRLA_CCA L_418F	Active	Nitrate by Standard Methods 15th Edition Method 418F	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	AutoAnalyzer	
Description Nitrate was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University using Standard Methods 15th Edition Method 418F, automated cadmium reduction or Technicon Industrial Method 100-70W.						
11NPSWRD	CRLA_CCA L_423	Active	pH by Standard Method 15th Edition Method 423	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	pH meter	
Description pH was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Standard Method 15th Edition Method 423 with an electrometric glass electrode (Radiometer Model G202L, reference electrode mercury-mercury chloride half cell K401) with temperature compensation.						
11NPSWRD	CRLA_CCA L_CL	Active	Chloride Technicon Industrial Method 99-70W	Technicon Instrument Corporation, 1973, Technicon Industrial Method AA II No. 99-70 W. Chloride in Water and Waste Water, Technicon Instrument Corporation, Unknown	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Chloride was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Technicon Industrial Method 99-70W, utilizing a Technicon Auto-Analyzer from 1983 to 1988.						
11NPSWRD	CRLA_CCA_L_OP1	Active	Orthophosphate by Standard Methods 15th Edition Method 424F Klett Summerson Colorimeter	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	Colorimeter	
Description Orthophosphate was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Standard Methods 15th Edition Method 424F, Reactive Phosphate, with ascorbic Acid finish utilizing a Klett Summerson Colorimeter Model 900-3 with 1.5 cm path length and a 660 nm red filter from 1983 to February 1989.						
11NPSWRD	CRLA_CCA_L_OP2	Active	Orthophosphate by Standard Methods 15th Edition Method 424F Milton Roy 601	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	Spectrophotometer	
Description Orthophosphate was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Standard Methods 15th Edition Method 424F, Reactive Phosphate, with ascorbic acid finish utilizing a Milton Roy 601 Spectrophotometer with a 10 cm path length, analysis occurred at 880 nm, from March 1989 to 2004.						
11NPSWRD	CRLA_CCA_L_SIO2	Active	Silica by Technicon Industrial Method 105-71W/B	Technicon Instrument Corporation, 1976, Silicates in water and wastewater. Technicon AutoAnalyzer II. Industrial Method. No. 105-71WB, Technicon Instrument Corporation, Unknown	AutoAnalyzer	
Description Silica was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Technicon Industrial Method 105-71W/B on a Technicon Auto-Analyzer.						
11NPSWRD	CRLA_CCA_L_SM205	Active	Specific Conductance by Standard Methods 15th Edition Method 205 Wheatstone Bridge	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	Conductivity Bridge	
Description Specific conductance was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Standard Methods 15th Edition Method 205, with either a YSI Model 31 or a YSI Model 33 Wheatstone Bridge.						
11NPSWRD	CRLA_CCA_L_SO4	Active	Sulfate by Technicon Industrial Method 105-72W	Larson, G.L., C.D. McIntire, and R.W. Jacobs, July 1993, Crater Lake Limnological Studies Final	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Report, United States Department of the Interior, National Park Service, Pacific Northwest Region, 722 pages		
			Description	Sulfate was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Technicon Industrial Method 105-72W, utilizing a Technicon Auto-Analyzer from 1983 to 1988.		
11NPSWRD	CRLA_CCA L_TKN1	Active	Total Kjeldahl Nitrogen Fisher Electro Model 81 Spectrophotometer	Larson, G.L., C.D. McIntire, and R.W. Jacobs, July 1993, Crater Lake Limnological Studies Final Report, United States Department of the Interior, National Park Service, Pacific Northwest Region, 722 pages	Spectrophotometer	
			Description	Total Kjeldahl nitrogen was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University using Kjeldahl digestion: H2SO4, CuSO4/KCl, followed by a Nessler finish on a Fisher Electro Model 81 Spectrophotometer at 425 nm using a blue filter from 1983 to November 1986.		
11NPSWRD	CRLA_CCA L_TKN2	Active	Total Kjeldahl Nitrogen Milton-Roy 601	Larson, G.L., C.D. McIntire, and R.W. Jacobs, July 1993, Crater Lake Limnological Studies Final Report, United States Department of the Interior, National Park Service, Pacific Northwest Region, 722 pages	Spectrophotometer	
			Description	Total Kjeldahl nitrogen was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University using Kjeldahl digestion: H2SO4, CuSO4/KCl, followed by a Nessler finish on a Milton-Roy 601 Spectrophotometer at 425 nm from December 1986 to 2004.		
11NPSWRD	CRLA_CCA L_TP1	Active	Total Phosphorus by Standard Methods 15th Edition Methods 424C and 424F Klett Summerson Colorimeter	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	Colorimeter	
			Description	Total phosphorus was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Standard Methods 15th Edition Methods 424C and 424F, persulfate digestion with ascorbic acid finish utilizing a Klett Summerson Colorimeter Model 900-3 with a 1.5 cm path length and 660 nm red filter from 1983 to February 1989.		
11NPSWRD	CRLA_CCA L_TP2	Active	Total Phosphorus by Standard Methods 15th Edition Methods 424C and 424F Milton Roy 601	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	Spectrophotometer	
			Description	Total phosphorus was determined by the Cooperative Chemical Analytical Laboratory at Oregon State University following Standard Methods 15th Edition Methods 424C and 424F, persulfate digestion with ascorbic acid finish utilizing a Milton Roy 601 Spectrophotometer with a 10 cm path length from March		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	1989 to 2004.					
11NPSWRD	CRLA_DET_RITUS	Active	Detritus in Sediment Determination	Gregory, S., G. Lamberti, R. Wildman, and Linda Ashkenas, 1987, Ecology of Streams of Crater Lake National Park, National Park Service/Oregon State University, 89 pages	Drying Oven	
	Description	The material greater than 250 um was sieved and separated into a fraction greater than 500 um and a fraction between 250 um and 500 um. The subsample (field processing created a subsample of solution that had passed through a 250 um sieve) of material less than 250 um was filtered through a 0.7 um glass fiber filter. The filters and detritus samples were dried at 55 degrees Celsius for 48 hours, weighed, ashed at 550 degrees Celsius for 4 hours, and reweighed.				
11NPSWRD	CRLA_DIL_EVAP	Active	Pan Evaporation on Lake Surface	Diller, Joseph Silas and Horace Bushnell Patton, 1902, The Geology and Petrography of Crater Lake National Park, USGS, Professional Paper 3	Generic method-specific equipment	
	Description	A tin evaporating pan 13 inches square and 6 inches deep was used. To avoid the bright reflections its inside was painted dirt brown with pitch and soil. It was supported on a raft so that the lower part of the pan was in the water of the lake. The raft was anchored in an open bay where the water was 7 feet deep and freely agitated by the winds.				
11NPSWRD	CRLA_DIL_NZ	Active	Water Temperature by Negretti-Zambra Thermometer	Diller, Joseph Silas and Horace Bushnell Patton, 1902, The Geology and Petrography of Crater Lake National Park, USGS, Professional Paper 3	Thermometer	
	Description	Temperature was determined with a deep-sea Negretti-Zambra thermometer attached to a calibrated sample line.				
11NPSWRD	CRLA_DIL_WLGAGE	Active	Crater Lake 1892-1901 Water Level Gage	Diller, Joseph Silas and Horace Bushnell Patton, 1902, The Geology and Petrography of Crater Lake National Park, USGS, Professional Paper 3	Generic method-specific equipment	
	Description	Crater Lake water level measurements reported in the 1902 USGS document, "The Geology and Petrography of Crater Lake National Park," are a compilation of readings taken from more than one reference gage at the same general location by different persons from 1892-1901. The authors of Part I of this study reduced the zero levels of the different gages to the zero level of the Mazama gage and reported the values accordingly. The Mazama gage was erected on August 22, 1896 by C. H. Sholes and Earl M. Wilbur, president and secretary, respectively, of a conservation and recreation organization called Mazamas of Portland, Oregon.				
11NPSWRD	CRLA_DIL_WT	Active	Water Temperature by Thermometer with Thick Glass Jacket	Diller, Joseph Silas and Horace Bushnell Patton, 1902, The Geology and Petrography of Crater Lake National Park, USGS, Professional Paper 3	Thermometer	
	Description	Researchers in this 1901 project used "several thermometers of the common form, but with thick glass jackets to withstand pressure" from the depths of Crater Lake. In addition, according to the study, "each thermometer was placed in a protecting brass tube, closed by a perforated rubber cork, and placed in a cylindrical bucket, 3-1/4 inches in diameter, having an upward opening valve at each end to allow the water to pass through while the bucket was				

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				descending, but to hold it confined while ascending, and thus not only preserve the temperature of the thermometer but at the same time to furnish a sample of the water from any depth desired." Hard-drawn tinned-steel wire, No. 0.042, was attached to each temperature apparatus and a reel with a rapid winding attachment was used to haul the apparatus from depth. The stone, which provided weight during the descent, and its attaching double hook were released from the suspending bar at the end of the wire when the bottom was struck. Loops were placed on the wire at intervals of 500 feet, so that several thermometers could be sent down at the same time. After lowering the thermometers they were moved vigorously up and down for a few minutes to fill each cylinder with water. They were allowed to remain there for half an hour to come to the temperature of the depth. The thermometers were raised as rapidly as possible and read at the surface. The thermometer from a depth of over 1,900 feet reached the surface and was read in less than 4 minutes.		
11NPSWRD	CRLA_DL_CHLRA	Active	Chlorophyll a Procedure by D. Larson, 1968-69 Study	Larson, Douglas W., 1972, Temperature, Transparency, and Phytoplankton Productivity in Crater Lake, Oregon, Limnology and Oceanography, Vol.17 No.3, 410-417	Photometer	
	Description	The samples were treated immediately with saturated MgCO ₃ to neutralize the acid produced by algal decomposition. Within less than six hours, a specific volume of each sample was filtered with the Millipore unit (filter pore size equaled 0.8 µ). The filters were placed in a desiccator and stored in a freezer compartment held at -25.0 degrees Celsius. Pigments were extracted by grinding the filter and rinsing it into a centrifuge tube containing 10 ml of 90% distilled reagent grade acetone. Each tube was stoppered, shaken vigorously and stored in a refrigerator for 1-2 hrs. Later tubes were centrifuged for 10 minutes at 15,000 rpm. The supernatant liquid from each tube was decanted into a 1 cm-path-length spectrophotometer cell. Immediately, the optical density of each solution was measured photometrically at wave lengths of 750 mµ, 665 mµ, 645 mµ, and 645 mµ. Measurements were corrected against a blank cell containing 90% acetone only. The concentrations of chlorophyll a were calculated in accordance with the Strickland and Parsons equation.				
11NPSWRD	CRLA_DOL_E_FE	Active	Dole's Procedure for Iron	Dole, R. B., 1909, The Quality of Surface Waters in the United States, Pt. I: Analysis of waters east of the 100th meridian, U.S. Geological Survey Water-Supply Paper 236, USGS, pp. 9-26	Generic method-specific equipment	
	Description	Iron was estimated on the portion being used for the determination of total dissolved solids according to Dole's procedures.				
11NPSWRD	CRLA_DOL_E_SI	Active	Dole's Procedure for Silica	Dole, R. B., 1909, The Quality of Surface Waters in the United States, Pt. I: Analysis of waters east of the 100th meridian, U.S. Geological Survey Water-Supply Paper 236, USGS, pp. 9-26	Laboratory Balance	
	Description	Silica was estimated on the portion being used for the determination of total dissolved solids according to Dole's procedures.				
11NPSWRD	CRLA_EMS_TRIP_PH	Active	pH by E.M. Colorphast pH Strips	Thompson, J. Michael, L. Douglas White, and Manuel Nathenson, 1987, Chemical Analyses of Waters from Crater Lake, Oregon, and Nearby Springs, USGS Open File Report 87-587, U.S. Geological Survey, USGS OFR 87-587	Field/Laboratory Test Kit	
	Description	Measurements of pH were made with a non-bleeding, low-ionic-strength, pH indicating dyes (E.M. Colorphast pH Strips).				

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11NPSWRD	CRLA_FES_K	Active	Potassium by Flame Emission Spectroscopy	Thompson, J. Michael, L. Douglas White, and Manuel Nathenson, 1987, Chemical Analyses of Waters from Crater Lake, Oregon, and Nearby Springs, USGS Open File Report 87-587, U.S. Geological Survey, USGS OFR 87-587	Emission Spectrophotometer	
Description Potassium was determined by flame emission spectroscopy (FES) in a stoichiometric air-acetylene flame with added cesium ion (0.1 percent v/v) at 766.6 nm.						
11NPSWRD	CRLA_FES_LI	Active	Lithium by Flame Emission Spectroscopy	Thompson, J. Michael, L. Douglas White, and Manuel Nathenson, 1987, Chemical Analyses of Waters from Crater Lake, Oregon, and Nearby Springs, USGS Open File Report 87-587, U.S. Geological Survey, USGS OFR 87-587	Emission Spectrophotometer	
Description Lithium was determined by flame emission spectroscopy (FES) in a fuel rich, air-acetylene flame with added potassium ion (0.1 percent v/v) at 670.8 nm.						
11NPSWRD	CRLA_FES_NA	Active	Sodium by Flame Emission Spectroscopy	Thompson, J. Michael, L. Douglas White, and Manuel Nathenson, 1987, Chemical Analyses of Waters from Crater Lake, Oregon, and Nearby Springs, USGS Open File Report 87-587, U.S. Geological Survey, USGS OFR 87-587	Emission Spectrophotometer	
Description Sodium was determined by flame emission spectroscopy (FES) in a fuel rich, air-acetylene flame with added potassium ion (0.1 percent v/v) at 589.0 nm.						
11NPSWRD	CRLA_HCB_PH	Active	pH Hellige Comparator Block	Utterback, Clinton L., Lyman D. Phifer, and Rex J. Robinson, 1942, Some Chemical, Planktonic, and Optical Characteristics of Crater Lake, Ecology, Vol. 23, p.97-103		
Description pH was determined by a Hellige comparator block at the lake.						
11NPSWRD	CRLA_HOF_F_ZOO	Active	Hoffman Zooplankton Identification and Enumeration	Hoffman, F. Owen, 1969, The Horizontal Distribution and Vertical Migrations of the Limnetic Zooplankton in Crater Lake, Oregon, Oregon State University, 46 pages	Optical Microscope	
Description In the laboratory an aliquot was taken from a thoroughly mixed sample. A graduated bulb pipette was used to extract the aliquot from the sample. The relationship between aliquot volume to be counted and sample volume was determined by weight. By dividing the weight of the aliquot into the weight of the sample and multiplying the quotient times the number of organisms counted, an estimate of the number of organisms in the entire sample was obtained. Two aliquots per sample were counted for the vertical tows in 1967 and the horizontal tows in 1968. Three aliquots per sample were counted for the horizontal tows in August 1967, and the vertical tows in 1968. The organisms were enumerated under a dissecting microscope by species and two age classes, adults and juveniles. All forms having no eggs and being no larger than one fourth the size of the adults were classified as juveniles.						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	CRLA_ISE_FL	Active	Fluoride by Orion Ion Specific Electrode	Thompson, J. Michael, L. Douglas White, and Manuel Nathenson, 1987, Chemical Analyses of Waters from Crater Lake, Oregon, and Nearby Springs, USGS Open File Report 87-587, U.S. Geological Survey, USGS OFR 87-587	Ion Selective Electrode	
Description Fluoride was determined by an Orion ion specific electrode; TISAB II was mixed 1:1 with all samples and standards.						
11NPSWRD	CRLA_JS_P HYTOPL	Active	Phytoplankton Identification and Enumeration by John Salinas	Salinas, John, Robert Truitt, and David Hartesveldt, 1994, Whitehorse Ponds Crater Lake National Park Limnological and Vascular Plant Survey, 1993, Final Report, RCC-9404, Rogue Community College, Grants Pass, OR, Approx. 40 pages	Optical Microscope	
Description In the laboratory, each phytoplankton sample was homogenized by shaking and poured into a 1 L graduated cylinder and settled for 72 hours. The sample was concentrated to 100 ml by aspirating off the top and split into 2-50 ml aliquots. One aliquot was put aside for archiving and the other was rinsed into a Hydro-bios Kiel 50 mL settling chamber and allowed to settle for 24 hours. The settled sample was then placed on a Nikon DIAPHOTMD inverted microscope fitted with a Javelin color camera and Sony color printer and monitor. The first 200 cells encountered were counted and identified at 1500 X oil on phase contrast. A digital photomicrograph was taken of the major algal taxa encountered and are included with this report. The cell density was calculated in cells per liter (cells/L) using the following: $N = [n(A/WL)] / [V/1000] \text{ cf,}$ where N = the number of cells per liter; n = the number of cells counted; A = the area of the chamber (cm ²); W = the field width (cm); L = the total length of the transect counted (cm); V = the volume of the chamber (mL); cf= the volume of the concentrated sample divided by the volume of the original field sample.						
11NPSWRD	CRLA_JS_Z OOPLNK	Active	Zooplankton Identification and Enumeration by John Salinas	Salinas, John, Robert Truitt, and David Hartesveldt, 1994, Whitehorse Ponds Crater Lake National Park Limnological and Vascular Plant Survey, 1993, Final Report, RCC-9404, Rogue Community College, Grants Pass, OR, Approx. 40 pages	Optical Microscope	
Description In the laboratory, all samples were stained with Eosin Y prior to processing to facilitate counting. The samples were diluted to acceptable concentrations using a Folsom Plankton Splitter. One collecting tray, from the splitter, was designated as the counting (C) tray, the other as the picked (P) tray. The sample was placed in the splitter and rocked 5x to randomize sample, then poured into the trays. The splitter was rinsed with 0.22 um filtered Crater Lake water, rocked 5 more times and poured into the trays. The C tray was poured back into the splitter and the procedure repeated until an approximate						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			<p>density of zooplankton were obtained to facilitate counting (ca. 250-350 organisms/sample), by observing the tray under a stereo microscope. All other remaining organisms were retained in the P tray. Both tray samples were then filtered through 0.10 gum nitex cloth to reduce volume and remove sugar formalin, then rinsed into 25 mL liquid scintillation vials. The P vial was preserved with 1 mL of 10% sugar formalin, used for identification of zooplankton and archived. The C vial was rinsed into a Hydro-bios Kiel 50 mL settling chamber, allowed to settle undisturbed for 24 hours and the sample counted at 4x (for crustacean zooplankton) and 20x (for rotifers) with phase contrast on a Nikon Diaphot-TMD inverted microscope fitted with a Javelin color camera and Sony color printer and monitor. A digital photomicrograph was also taken of the major zooplankton taxon encountered and are included with this report. The counts were used to estimate the number of organisms per cubic meter (organisms/m³) of lake water filtered:</p> $N = (ndf) / VL,$ <p>where N = number of organisms per cubic meter; n = number of organisms counted; df= dilution factor of sample (splits); VL= volume of (m³) of lake water filtered. Here, VL= net opening area (m²) X length of tow (m) X filter factor (a 100%factor was used).</p>			
11NPSWRD	CRLA_KAH L268_LT	Active	Light Transmissivity Determined by Kahl Model 268-WA310 Submarine Photometer	Larson, Douglas W., 1972, Temperature, Transparency, and Phytoplankton Productivity in Crater Lake, Oregon, Limnology and Oceanography, Vol.17 No.3, 410-417	Photometer	
	Description		Transparency was measured with a Kahl Model 268-WA310, selenium barrier-layer photocell, spectral range in sunlight of 400-640 mμ submarine photometer with no filter, a blue filter (Kahl manufactured) having a spectral range of 300-500 mμ, a green filter (Kahl manufactured) having a spectral range of 460-660 mμ, and a red filter (Kahl manufactured) having a spectral range of 500-720 mμ were employed.			
11NPSWRD	CRLA_LTM P_423	Active	pH by Standard Method 14th Edition Method 423 Altex Meter	APHA_SM_14V - American Public Health Association, 1975, Standard Methods for the Examination of Water and Wastewater, 14th Edition, American Public Health Association, 14th Edition	Seabird CTD Profiler	
	Description		The lab at Crater Lake National Park followed Standard Methods 14th Edition Method 423 with a glass pH combination electrode and temperature compensator electrode (Altex meter) to determine pH.			
11NPSWRD	CRLA_MAS ON_PO4	Active	Phosphate Colorimetric Method	Mason, W. P, 1910, Examination of Water, 4th Edition, Unknown, p. 102	Generic method- specific equipment	
	Description		Phosphate was determined according to the colorimetric method proposed by Woodman and outlined by Mason. Fifty grams of the water was evaporated to dryness after the addition of 3 cubic centimeters of nitric acid. The residue was heated two hours in a water oven, then extracted with cold water, filtered, and diluted to 50 cubic centimeters in a comparison tube. Four cubic centimeters of a solution containing 50 grams per liter of ammonium molybdate was added and the well mixed liquid was then compared with standard phosphate solutions which had been treated in the same manner.			
11NPSWRD	CRLA_MBS PE_SIO2	Active	Silica Molybdenum Blue Spectrophotometric	Shapiro, Leonard and W.W. Brannock, 1956, Rapid Analysis of Silicate Rocks, U.S. Geological	Spectrophotomet er	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Procedure	Survey Bulletin 1036C, U.S. Geological Survey, USGS Bulletin 1036C		
	Description	Silica was analyzed at 640 nm by a modification of the molybdenum blue spectrophotometric procedure described by Shapiro and Brannock (1956) using 10 mL of the filtered acidified spring water.				
11NPSWRD	CRLA_MOS S_EXAM	Active	Crater Lake Deep-water Moss Examination	McIntire, C. David, Harry K. Phinney, Gary L. Larson, and Mark Buktenica, 1994, Vertical Distribution of a Deep-water Moss and Associated Epiphytes in Crater Lake, Oregon, Northwest Science, Vol. 68 No.1 p.11-21	Optical Microscope	
	Description	Representative specimens from each moss collection were examined with a compound microscope at magnifications ranging from 100X to 1000X.				
11NPSWRD	CRLA_PHY TOID	Active	Phytoplankton Identification and Enumeration	Geiger, N.S. and D. W. Larson, 1990, Phytoplankton Species Distribution in Crater Lake, Oregon, 1978-1980; Pages 153-165 in 'Crater Lake: An Ecosystem Study.', Pacific Division, American Association for the Advancement of Science, pp.153-165	Optical Microscope	
	Description	Preparation for microscopic observation entailed sub-sampling the samples and gently filtering the aliquots through 0.45 micrometer MF-Millipore membrane filters. Filters were made transparent by placing the filters on immersion oil on microscope slides and warming to draw oil into filter by water evaporation (Lind 1974). Mounted filters were observed using phase and brightfield microscopy (American Optical H20). Counts were made of at least 100 discrete algal particles (colonies or cells) having distinct chromatophores at a magnification of 1000x. This method of preparation provided permanent slides for future examination of preserved material. For supplemental identifications of fragile species, observations were made with an inverted microscope (Wild M40). Scanning electron photomicrographs of selected small diatoms were made using a JEOL JSM-35 scanning electron microscope. For SEM observations, preserved specimens were filtered on MF-membrane (0.45 micrometer) filters, and subsequently coated with gold-palladium (100 A thickness) using a Technics Hummer II.				
11NPSWRD	CRLA_RRW T_TEMP	Active	Water Temperature by Reversing Richter-Wiesse Thermometer	Utterback, Clinton L., Lyman D. Phifer, and Rex J. Robinson, 1942, Some Chemical, Planktonic, and Optical Characteristics of Crater Lake, Ecology, Vol. 23, p.97-103	Thermometer	
	Description	Temperature was measured with reversing Richter-Wiesse thermometers, accurate to 0.01 °C, that were attached to Nansen type sampling bottles.				
11NPSWRD	CRLA_SEC CHI_100	Active	Secchi Disk-100 cm	Larson, G.L., July 1986, Crater Lake Limnological Studies 1985, United States Department of the Interior, National Park Service, Crater Lake National Park, 73 pages	Secchi Disk with Calibrated Tether	
	Description	A 100 cm secchi disk attached to a metered cable was lowered and the descending and ascending values were recorded and the reading was determined				

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as the average of the two values. Three readings were recorded on most occasions, usually by two or more observers.						
11NPSWRD	CRLA_SEC CHI_20	Active	Secchi Disk-20 cm	Larson, G.L., C.D. McIntire, and R.W. Jacobs, July 1993, Crater Lake Limnological Studies Final Report, United States Department of the Interior, National Park Service, Pacific Northwest Region, 722 pages	Secchi Disk with Calibrated Tether	
Description		A 20 cm secchi disk attached to a metered cable was lowered and the descending and ascending values were recorded and the reading was determined as the average of the two values. Three readings were recorded on most occasions, usually by two or more observers.				
11NPSWRD	CRLA_SEC CHI_30	Active	Secchi Disk-30 cm	Larson, G.L., April 1995, Crater Lake Limnological Studies 1994 Annual Report, United States Department of the Interior, National Park Service, Pacific Northwest Region, 35 pages	Secchi Disk with Calibrated Tether	
Description		A 30 cm secchi disk attached to a metered cable was lowered and the descending and ascending values were recorded and the reading was determined as the average of the two values. Three readings were recorded on most occasions, usually by two or more observers.				
11NPSWRD	CRLA_SEC CHI_40	Active	Secchi Disk-40 cm	Larson, G.L., July 1985, Crater Lake Limnological Studies 1984, United States Department of the Interior, National Park Service, Crater Lake National Park, 73 pages	Secchi Disk with Calibrated Tether	
Description		A 40 cm secchi disk attached to a metered cable was lowered and the descending and ascending values were recorded and the reading was determined as the average of the two values. Three readings were recorded on most occasions, usually by two or more observers.				
11NPSWRD	CRLA_TITR _HCO3	Active	Bicarbonate Titrametrically	Thompson, J. Michael, L. Douglas White, and Manuel Nathenson, 1987, Chemical Analyses of Waters from Crater Lake, Oregon, and Nearby Springs, USGS Open File Report 87-587, U.S. Geological Survey, USGS OFR 87-587	Titration Apparatus	
Description		Bicarbonate was determined titrametrically as alkalinity using a constant-drive burette, a combination pH glass electrode, a specific ion- pH meter, a strip chart recorder, and standardized sulfuric acid (0.05N). The laboratory pH was taken as the pH at the start of the alkalinity titration.				
11NPSWRD	CRLA_TRI_ CHLA	Active	Chlorophyll a by Trichromatic Method	Strickland, J. D. H. and T.R. Parsons, 1968, A Practical Handbook of Seawater Analysis, Fisheries Research Board of Canada, Bulletin 167, 311 pp	Spectrophotometer	
Description		Substrate samples were submersed in known volumes of 90% acetone for 24hr at 4 degrees Celsius in the dark. Chlorophyll a concentration in the extract was determined by the trichromatic method (Strickland and Parsons 1968).				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	CRLA_TRO UT_ID	Active	Bul Trout Study Identification and Counting Procedure	Dambacher, J.M., M.W. Buktenica, and G.L. Larson, 1993, Fishes and Stream Habitat in Tributaries of the Klamath River in Crater Lake National Park, with Special Reference to the Sun Creek Bull Trout (<i>Salvelinus confluentus</i>) Population, National Park Service Pacific Northwest Region, 44 pages	Human Eye	
Description During the survey each species of fish was counted and classified by age on the basis of body size. Fish less than 60 mm were classified as age 0, fish between 60 and 100 mm were classified as age 1, and fish greater than 100 mm were classed as age 2 and older. Researchers did not identify trout by lifestage (adult, juvenile, etc.). Brook and bull trout hybrids were identified by spots on their dorsal and caudal fins and often by weak tricoloration (slight or no orange cast with a black stripe next to a white leading edge) of their pectoral and pelvic fins. Bull trout had clear dorsal fins and lacked body vermiculations; their pectoral and pelvic fins were either clear or had an orange cast and white leading edge. Brook trout had prominent tricoloration of their pectoral and pelvic fins, as well as body and dorsal fin vermiculations. Brook trout as small as 50 mm were discernable from bull trout by their dorsal fin vermiculations. Estimates of fish abundance were made by direct observation by a single snorkel diver in 10 percent (every tenth unit of habitat type) of all habitats, except in Sun Creek where 20 percent of the pools (every fifth pool) were surveyed. These counts were extrapolated to estimate the total number of fish in each stream. Electroshocking sampled selected sites and gave a general estimate of fish abundance in areas not surveyed by snorkel diving.						
11NPSWRD	CRLA_TUR B_SO4	Active	Sulfate by Turbidimetric Procedure	Thompson, J. Michael, L. Douglas White, and Manuel Nathenson, 1987, Chemical Analyses of Waters from Crater Lake, Oregon, and Nearby Springs, USGS Open File Report 87-587, U.S. Geological Survey, USGS OFR 87-587	Turbidimeter	
Description Sulfate was determined by a turbidimetric procedure using BaCl2 to precipitate BaSO4.						
11NPSWRD	CRLA_UTT _PHYT	Active	Phytoplankton Enumeration	Utterback, Clinton L., Lyman D. Phifer, and Rex J. Robinson, 1942, Some Chemical, Planktonic, and Optical Characteristics of Crater Lake, Ecology, Vol. 23, p.97-103	Optical Microscope	
Description Phytoplankton sample were taken directly from the water bottles, centrifuged and enumerated.						
11NPSWRD	CRLA_VW_ CA	Active	Calcium Titration	Van Winkle, Walton, 1914, Quality of the Surface Waters of Oregon, USGS Water Supply Paper 363, USGS, pp. 30-34	Titration Apparatus	
Description Calcium was determined by titration with permanganate solution.						
11NPSWRD	CRLA_VW_ CL	Active	Chloride Precipitation	Van Winkle, Walton, 1914, Quality of the Surface Waters of Oregon, USGS Water Supply Paper 363, USGS, pp. 30-34	Laboratory Balance	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description A weighed sample was acidified with nitric acid and chloride was precipitated with silver nitrate. It was considered unnecessary to boil the solution, and the precipitate, after being filtered out in a tared Gooch crucible fitted with an asbestos mat, was heated in an air oven at 130 C to a constant weight. Chloride was computed from this weight of silver chloride.						
11NPSWRD	CRLA_VW_ HCO3	Active	Bicarbonate, Gravimetrically	Van Winkle, Walton, 1914, Quality of the Surface Waters of Oregon, USGS Water Supply Paper 363, USGS, pp. 30-34	Laboratory Balance	
Description The amount of bicarbonate was determined gravimetrically. The apparatus consisted of a half liter round bottom flask, supported over a Fletcher burner, and fitted with a separatory funnel and a reflux condenser tilted at an angle of about 60 degrees with horizontal. A train of bulbs and tubes was placed as follows: Calcium-chloride bulb, U-tube filled with glass beads and anhydrous copper sulfate, two calcium-chloride bulbs in series, potash bulbs with calcium-chloride guard tube, calcium chloride bulb, stopcock, and tube attached to a Richards suction pump. The potash bulbs were of Geissler's type, the guard tube being behind the bulbs of the potash set, and the safe capacity of the apparatus when filled was about one gram of carbon dioxide. A flask containing caustic potash was attached to the separatory funnel so that air free from carbon dioxide could be drawn into the reaction flask. All joints except the two by which the potash set was connected with the train were cork made air tight by repeated coatings of shellac. The potash set was attached by means of rubber tubing, the glass ends being butted close together so that as little rubber as possible might be exposed. The apparatus with the potash set removed was saturated with carbon dioxide, and a current of air free from carbon dioxide was passed through the train to remove all excess carbon dioxide. The potash set, after being weighed, was placed in the train and a weighed sample of the water to be tested was introduced into the flask through the separatory funnel. A measured amount of the 1 to 4 hydrochloric acid was then cautiously introduced into the flask, the tube leading into the potash set was attached, a slow suction was started, and the reaction flask was slowly heat to incipient boiling. It was kept at this point for 15 minutes, then the source of heat was removed and the apparatus was allowed to stand for half an hour, a slow current of air being drawn through it. The suction was then removed, and the potash set was placed in the balance case and weighed as soon as possible. The increase in weight was computed as carbon dioxide set free from the sample. Determinations were made on a sample of the water and on a dried and ignited residue obtained by evaporating a sample. The difference between these two weights represents dissolved carbon dioxide and the carbon dioxide set free by the decomposition of bicarbonate on evaporation and heating.						
11NPSWRD	CRLA_VW_ MG	Active	Magnesium, Gravimetrically	Van Winkle, Walton, 1914, Quality of the Surface Waters of Oregon, USGS Water Supply Paper 363, USGS, pp. 30-34	Laboratory Balance	
Description Magnesium was determined gravimetrically as pyrophosphate, unless the amount was small and then it was titrated with a standard solution of uranium nitrate.						
11NPSWRD	CRLA_VW_ NO3	Active	Nitrate Phenol-Disulphonic Method	Van Winkle, Walton, 1914, Quality of the Surface Waters of Oregon, USGS Water Supply Paper 363, USGS, pp. 30-34	Generic method-specific equipment	
Description Determination of nitrate was made by the phenol-disulphonic acid method after the removal of chloride by means of silver sulfate.						
11NPSWRD	CRLA_VW_ SO4	Active	Sulfate Precipitation	Van Winkle, Walton, 1914, Quality of the Surface Waters of Oregon, USGS Water Supply Paper 363, USGS, pp. 30-34	Laboratory Balance	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description A weighed sample was acidified with hydrochloric acid and sulfate was precipitated and weighed as barium sulfate.						
11NPSWRD	CRLA_VW_TDS	Active	Total Dissolved Solids, Gravimetrically	Van Winkle, Walton, 1914, Quality of the Surface Waters of Oregon, USGS Water Supply Paper 363, USGS, pp. 30-34	Drying Oven	
Description A weighed amount of liquid was evaporated to dryness in a tared platinum dish, and the residue was heated for an hour in and air oven at 180 deg C and weighed, after which the residue was ignited to a constant weight. Amounts of liquid were chosen that would give less than 5 grams of total ignited solids. Both the weight of the residue dried at 180 C and the weight after ignition were recorded.						
11NPSWRD	CRLA_WES_TON_LT	Active	Light Transmissivity by Weston Cell Submarine Photometer	Utterback, Clinton L., Lyman D. Phifer, and Rex J. Robinson, 1942, Some Chemical, Planktonic, and Optical Characteristics of Crater Lake, Ecology, Vol. 23, p.97-103	Photometer	
Description A submarine photometer using a Weston cell, was designed and constructed so that it, and the accessory apparatus, could be used from a small boat. The relative intensity below the surface was measured and then the photometer was lowered to successive depths. A second photometer was kept at the surface to correct for any variations in surface intensity.						
11NPSWRD	CUPN_909 C	Active	CUPN Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
11NPSWRD	CUPN_ANC_FIELD	Active	CUPN ANC Field Procedure Using Colorimetric Titration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Titration Apparatus	
11NPSWRD	CUPN_ATR_AZINE	Active	CUPN Immunoassay	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
Description Immunoassay, USEPA method 4670						
11NPSWRD	CUPN_CHL_ORELLA	Active	CUPN Chlorella Cell Density	CUPN_0000012 - Fowler, R., 2005, Fun with Phytoplankton, Western Kentucky University, 1p.		
11NPSWRD	CUPN_CHL_OR_DNA	Active	CUPN Chlorella DNA	CUPN_0000012 - Fowler, R., 2005, Fun with Phytoplankton, Western Kentucky University, 1p.		
11NPSWRD	CUPN_DIS_CHARGE	Active	CUPN Open Flow Determination with Electronic Meter	CUPN_0000002 - Meiman, J., 2005, Water Quality Monitoring Protocol Cumberland Piedmont Network, National Park Service, 97p.	Probe	
11NPSWRD	CUPN_NH4	Active	CUPN Ion Chromatograph	Unknown, 19--, No Cite - Method Not Cited,	Ion	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			(non-approved)	Unknown, Vol --	Chromatograph	
11NPSWRD	CUPN_OLD CATIONS	Active	CUPN Cation analysis from 7-10-2002 through 9-30-2004 (not approved)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Ion Chromatograph	
	Description	This procedure was conducted on all CUPN samples for cation analysis between the dates of 7-10-2002 and 9-30-2004. This is not a standard method for analysis of cations, but was used nonetheless.				
11NPSWRD	CUVA_AKR ON_UNK	Active	Unspecified Procedures for Historical Data by Akron Lab	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Contracted work to the Akron Water Pollution Control Station. Procedures unknown. Only reference is USEPA Methods for Chemical Analysis of Water and Wastes, Section 200 - 1979.				
11NPSWRD	CUVA_ALK ALINITY	Active	Alkalinity Analytical Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Titration Apparatus	
	Description	100ml sample, titrated with 1.6N of H2SO4 using a calibrated titrator and cartridge containing H2SO4. Titrate to a value of 4.5 pH. Value expressed as mg/l as CaCO3.				
11NPSWRD	CUVA_CHL ORIDE	Active	Chloride Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Titration Apparatus	APHA/4500-CL-(C)
	Description	100ml sample titrated with 2.256N mercuric nitrate. Add contents of diphenylcarbazone reagent powder. Titrate to color change. Value expressed as concentration of chloride in mg/L.				
11NPSWRD	CUVA_ECO LI	Active	E. Coli in Water by Membrane Filtration	USEPA, 2002, Method 1103.1: Escherichia coli (E. coli) in Water by Membrane Filtration Using membrane-Thermotolerant Escherichia coli Agar (mTEC) (September 2002), USEPA, EPA 821-R-02-020		
11NPSWRD	CUVA_FEC AL_ODOH	Active	Fecal Coliform by Membrane Filtration by Ohio Dept. of Health	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	APHA/9222-D
11NPSWRD	CUVA_FEC AL_PARK	Active	Fecal Coliform by Membrane Filtration by Park Staff	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	CUVA_HAC HHARD	Active	Hardness by Hach Digital Titration Cartridge	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Digital Buret	
Description Using 0.800M EDTA; measured in mg/L CaCO3.						
11NPSWRD	GLKN_BCH MK	Active	Water Level	GLKN_0000004 - Elias, J.E. and R. Wise, 2007, Standard operating procedure #4, Measuring water levels. in Elias, J.E., R. Axler, and E. Ruzyski. 2007. Water quality monitoring protocol for inland lakes, Version 1.0., National Park Service, Great Lakes Network, 8 pp. Document/Graphic	Human Eye	
Description A stadia rod, eye level, and established shoreline benchmark are used to measure water level. See associated citation for details.						
11NPSWRD	GLKN_HL_ DS4X	Active	Multiprobe Field Analysis with Hydrolab 4X	GLKN_0000021 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #6, Field measurements and water sample collection. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 40 pp. Document/Graphic	Hydrolab Multi Probe Handheld Instrument	
Description Datalogger, Hydrolab, Surveyor 4a; DataSonde(multiprobe), Hydrolab, 4X						
11NPSWRD	GLKN_MT1 32	Active	Multiproe Field Analysis Eureka Manta M09050132	GLKN_0000006 - Axler, R., E. Ruzyski, and J.E. Elias, 2007, Standard operating procedure #6, Field measurements and water sample collection. in Elias, J.E., R. Axler, and E. Ruzyski. 2007. Water quality monitoring protocol for inland lakes, Version 1.0., National Park Service, Great Lakes Network, 38 pp. Document/Graphic	Probe	
Description Datalogger, Eureka Amphibian; DataSonde(multiprobe), Eureka Manta, Model #M09050132						
11NPSWRD	GLKN_MT3 18	Active	Multiprobe Field Analysis with Eureka Manta M080600318	GLKN_0000006 - Axler, R., E. Ruzyski, and J.E. Elias, 2007, Standard operating procedure #6, Field measurements and water sample collection. in Elias, J.E., R. Axler, and E. Ruzyski. 2007. Water quality monitoring protocol for inland lakes,	Probe	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Version 1.0., National Park Service, Great Lakes Network, 38 pp. Document/Graphic		
	Description	Datalogger, Eureka Amphibian; DataSonde(multiprobe), Eureka Manta, Model #M080600318				
11NPSWRD	GLKN_MT_SDI12	Active	Multiprobe Field Analysis with Eureka Manta SDI-12	GLKN_0000006 - Axler, R., E. Ruzyski, and J.E. Elias, 2007, Standard operating procedure #6, Field measurements and water sample collection. in Elias, J.E., R. Axler, and E. Ruzyski. 2007. Water quality monitoring protocol for inland lakes, Version 1.0., National Park Service, Great Lakes Network, 38 pp. Document/Graphic	Probe	
	Description	Datalogger, Eureka Amphibian; DataSonde(multiprobe), Eureka Manta, SDI-12				
11NPSWRD	GLKN_SEC HI	Active	Secchi Disk	GLKN_0000021 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #6, Field measurements and water sample collection. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 40 pp. Document/Graphic		
11NPSWRD	GLKN_THE RM	Active	Thermometer	GLKN_0000021 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #6, Field measurements and water sample collection. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 40 pp. Document/Graphic	Thermometer	
11NPSWRD	GLKN_TP/T N	Active	Alkaline Persulfate Digestion for Total N and P in Water	GLKN_0000014 - Patton, C.J. and J.R. Kryskalla, 2003, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory-- Evaluation of alkaline persulfate digestion as an alternative to Kjeldahl digestion for determination of total and dissolved nitrogen and phosphorus in water: U.S. Geological Survey Water-Resources		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Investigations Report 03-4174, U.S. Geological Survey, 33 pp.		
11NPSWRD	GLKN_TTU BE	Active	Transparency Tube	GLKN_0000021 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #6, Field measurements and water sample collection. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 40 pp. Document/Graphic		
Description 120+cm clear tube with mini secchi disk and valve at bottom						
11NPSWRD	GLKN_YSI6 820	Active	Multiprobe Field Analysis with YSI Model 6820	GLKN_0000006 - Axler, R., E. Ruzyski, and J.E. Elias, 2007, Standard operating procedure #6, Field measurements and water sample collection. in Elias, J.E., R. Axler, and E. Ruzyski. 2007. Water quality monitoring protocol for inland lakes, Version 1.0., National Park Service, Great Lakes Network, 38 pp. Document/Graphic	YSI Multi Probe Handheld Instrument	
Description YSI Multi Probe Handheld Instrument, Model #6820						
11NPSWRD	GRBA_KES TREL	Active	Air Temperature Measured with Kestrel	GRBA_0000001 - Baker, G., 2004, Aquatic Inventory Field Manual, Great Basin National Park, 45 pp Document/Graphic	Thermometer	
11NPSWRD	GRBA_OAK TON_PH	Active	PH Testing using either Oakton pH Testr2 and Testr3	GRBA_0000001 - Baker, G., 2004, Aquatic Inventory Field Manual, Great Basin National Park, 45 pp Document/Graphic	pH meter	
Description Oakton pH Testr2 and pH Testr3 were used to measure pH. These were calibrated at least daily with pH buffer solutions of 7 and 10.						
11NPSWRD	GRCA_CM C_200.15	Active	Metals and Trace Elements by Inductively Coupled Plasma Atomic Emission Spectroscopy-Colorado DOW	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Inductively Coupled Plasma Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description The metal analysis was based on, but does not strictly follow, EPA method 200.15. The modification was performed at the Colorado Division of Wildlife Laboratory.						
11NPSWRD	GRCA_HO RNCRFLO W	Active	Discharge Determined at Horn Creek	Goings, D.B., 1985, Spring flow in a portion of Grand Canyon National Park, Arizona, Cooperative National Park Resources Studies Unit, NPS-UNLV, Las Vegas, Nevada, CPSU/UNLV033/01 70 p	Flow Rate Measurement Device	
Description Discharge at Horn Creek was determined by either a V-notch weir or volumetrically but it is unsure when each method was used.						
11NPSWRD	GRPO_APH A_2320M	Active	APHA Standard Method 2320 Modified for Carbonate Alkalinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Titration Apparatus	APHA/2320
Description Unspecified laboratory modification of APHA Standard Method 2320 for the determination of Carbonate Alkalinity.						
11NPSWRD	GRPO_EPA 300/340	Active	Fluoride by USEPA Method 300 or 340.2	GRPO_FL_UNSP - USEPA Environmental Systems Lab, 1993, Fluoride by USEPA Method 300 or 340.2, USEPA, Unknown	Ion Chromatograph	
Description USEPA Methods for determining Fluoride by one of two procedures, either Method 300, Inorganic Anions by Ion Chromatography, or Method 340.2, Fluoride by ISE. Source report does not distinguish which method was used per sample. Analytical equipment used was Ion Chromatograph or Ion Selective Electrode.						
11NPSWRD	GRPO_LEV 1_DISCH	Active	Grand Portage N.M. Level 1 Discharge	1998/177 - Stednick, J., 1998, Water Quality Inventory Protocol: Riverine Environments, National Park Service Water Resources Division, NPS/NRWRD/NRTR98/177		
Description Discharge (Flow) was calculated from stream velocity and cross-sectional area information. Velocity was measured with a General Oceanics Model 2030 digital mechanical flow meter. Stream cross-sectional area was calculated from width and depth information. Stream width was measured with a meter tape at standardized stream location. Stream depth was measured with a meter rule at one-meter intervals across the stream width, or at the deepest point if the stream width was less than one meter. Total discharge of the stream at the station is the sum of the discharges in the partial sections.						
11NPSWRD	GRPO_LEV 1_TCOLI	Active	Grand Portage N.M. Level 1 Total Coliform-Presence/Absence	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Unspecified Presence/Absence test for Total Coliforms						
11NPSWRD	GRSM_AAS	Active	Metals by atomic absorption spectroscopy	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
	Description	Ca, Mg, Na, K was measured by AAS during 1998 to fall 2003				
11NPSWRD	GRSM_ANC	Active	ANC using Gran Titration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Titration Apparatus	
	Description	ManTech PC-Titrator				
11NPSWRD	GRSM_FLOW_STAGE	Active	Continuous Insitu Measurement for Flow Stage	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Magnetrol STI Echotel Model 338 are used to measure Noland flow stage				
11NPSWRD	GRSM_IC_METAL	Active	K, Na, Ca, Mg by IC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Measured K and Na by an old IC before 1998				
11NPSWRD	GRSM_LYS_M_MEAS	Active	Use Graduated Cylinder to Measure the Amount of Soil Water Collected During Sampling Period	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	GRSM_NH4	Active	Ion Chromatograph (non-approved)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Ion Chromatograph	
	Description	Manufacturer protocols, DIONEX IC 2500 System				
11NPSWRD	GRSM_PREC_WGHT	Active	Weight Collected Precipitation to Compute the Precipitation Height	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	GRSM_YSI_2900	Active	Insitu Multi-parameter Data Collection Using YSI2900	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	YSI Remote (unattended) Multi Probe Instrument	
	Description	Measure water temperature, pH, Conductivity				
11NPSWRD	GRYN_150.2	Active	pH According to Gran	WRD000000005 - Gran, G., 1952, Determination of the equivalence point in potentiometric		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				titrations. Part II., The Analyst, 77:661-671		
11NPSWRD	GRYN_180.1	Active	Acid Neutralizing Capacity (ANC) According to Gran	WRD000000005 - Gran, G., 1952, Determination of the equivalence point in potentiometric titrations. Part II., The Analyst, 77:661-671		
11NPSWRD	GRYN_254 0-E	Active	Fixed and Volatile Solids by Greater Yellowstone Network	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	APHA/2540-E
Description Residue of procedure 2540-D is ignited to a constant weight at 550 degrees celsius. The remaining solids represent fixed total solids while weight lost represents volatile suspended solids. An analytical balance, convection oven and muffle furnace is required for analysis.						
11NPSWRD	GRYN_360.1	Active	Oxygen, dissolved, membrane electrode	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/4500-O-G
Description Follow manufacturer's directions						
11NPSWRD	GRYN_FLO W	Active	Stream Discharge Calculation	GRYN_0000021 - O'Ney, S.E., April 1, 2006, Standard operating procedure #5: Procedures for collection of required field parameters,, Version 1.1. In: Regulatory water quality monitoring protocol, Version 2.0, Appendix E. Bozeman (MT), National Park Service, Greater Yellowstone Network, 23 pp		
Description Calculating Flow Follow these steps when calculating flow: Calculate flow at each cross section by multiplying the width (W) x depth (D) x velocity (V) to determine flow in cubic feet per second (cfs or ft3/sec). See Figure 3-4, Stream Flow (Discharge) Measurement. $Q = \text{Total Flow (or discharge), } W = \text{Width, } D = \text{Depth, } V = \text{Velocity.}$ $Q = (W1 \times D1 \times V1) + (W2 \times D2 \times V2) + \dots (Wn \times Dn \times Vn)$ When flow is calculated for each cross section add them together for the total stream flow (refer to Figure 2). For each individual cross section flow, do not round values. For example, if the calculated flow for a cross section is 1.23956, do not round. If each value is rounded on the worksheet, it could introduce an error in the final value.						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<p>What to Do with Negative Values Do not treat cross sections with negative flow values as zero. Negative values obtained from areas with back eddies should be subtracted during the summation of the flow for a site.</p> <p>Reporting Final Flow Values Report instantaneous flow as follows: Report values less than 10 but greater than 0.1 cfs to the nearest tenth (for example, 9.35 to 9.4).</p> <p>Report values greater than 10 cfs to the nearest whole number (for example, 20.62 to 21). Report actual values less than 0.1 cfs but greater than or equal to 0.01 cfs. These values should not be rounded (for example, 0.07 would be reported as 0.07). Report flow values < 0.01 cfs as < 0.01. See Table 7, Final Format for Reporting Field Data.</p>						
11NPSWRD	HAFO_PHO SP	Active	Phosphate and Total P Determination According to Olsen and Sommers	HAFO_0000003 - Olsen, S.R. and L.E. Sommers, 1982, Phosphorus. In A.L. Page et al. (ed.) Methods of Soil Analysis. Part 2. Chemical and Microbiological Properties, Agron. Monogr. 9. ASA and SSSA, Madison, WI, 403-430pp		
11NPSWRD	MULT_SSC R_DIC	Active	Multi-Park Dissolved Inorganic Carbon Calculation	USGS03-496 - Taylor, H.E., J.R. Spence, R.C. Antweiler, K. Berghoff, T.I. Plowman, D.B. Peart, and D.A. Roth, 2004, Water quality and quantity of selected springs and seeps along the Colorado River Corridor, Utah and Arizona: Arches National Park, Canyonlands National Park, Glen Canyon National Recreation Area, and Grand Canyon National Park, 1997-98: U.S. Geological Survey Open-File Report 2003-496, U.S. Geological Survey, OFR03-496	Calculated	
<p>Description This method was implemented in a multi-park Colorado River Spring Survey by John Spence. Dissolved Inorganic Carbon, as carbonate and bicarbonate, was calculated from alkalinity (expressed as milliequivalents per liter) and pH.</p>						
11NPSWRD	MULT_SSC R_FLOW	Active	Multi-Park Colorado River Spring Flow Measurement	USGS03-496 - Taylor, H.E., J.R. Spence, R.C. Antweiler, K. Berghoff, T.I. Plowman, D.B. Peart, and D.A. Roth, 2004, Water quality and quantity of selected springs and seeps along the Colorado River Corridor, Utah and Arizona: Arches National Park, Canyonlands National Park, Glen Canyon National Recreation Area, and Grand Canyon	Flow Rate Measurement Device	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				National Park, 1997-98: U.S. Geological Survey Open-File Report 2003-496, U.S. Geological Survey, OFR03-496		
	Description	This method was implemented in a multi-park Colorado River Spring Survey by John Spence. Water flow was determined by one of several methods. When water flow (velocity from 5 - 75 centimeters per second) was observed in a channelized bed (depth 5 - 50 centimeters), a Price Pygmy model current meter was used to measure water velocity for the subsequent calculation of water discharge (Buchanan and Somers, 1976). For discharge measurements in channels too shallow to use of the Pygmy meter, a temporary weir was constructed from plastic to constrict the flowing water to a fixed channel. Under these conditions, flow was determined volumetrically by collecting a volume of water flowing from the weir for a specific period of time. For smaller water discharges, a direct volumetric measurement was made. Water was collected directly into a volumetric container (graduated cylinder) or into a holding vessel (bucket or similar container) where the volume collected was subsequently measured by water transfer into a graduated cylinder or other calibrated container. Because the nominal discharge of most of these springs (and seeps) was usually very low (<1 L/sec) and frequently diffuse, quantitative measurements often were not possible. At locations where water discharge could not be directly measured, it was estimated using the area of the wetted rock or sand and the configuration of the topography surrounding the spring or seep as a guide to determine cross-sectional area and water was collected in a volumetric container.				
11NPSWRD	NGPN_DIS CHARGE	Active	0.6x Depth Method for Stream Discharge	USEPA, 1998, Field Operations and Methods for Measuring the Ecological Condition of Wadeable Streams., USEPA, EPA 620/R-94-004F		
11NPSWRD	NGPN_GPS COMPASS	Active	GPS Compass	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Compass feature of the Global Positioning System.				
11NPSWRD	NGPN_MET RICTAPE	Active	Meter Tape	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Measuring tape marked in metric units.				
11NPSWRD	NGPN_VIS UALEST	Active	Visual Estimation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NGPN_WA DINGROD	Active	Wading Rod	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Steel rod marked with measurement intervals for measuring stream depth. Intended for use in conjunction with Marsh-McBirney Current Meter.				
11NPSWRD	NGPN_WO ODDEBRIS	Active	Large Woody Debris Tally	USEPA, 1998, Field Operations and Methods for Measuring the Ecological Condition of Wadeable Streams., USEPA, EPA 620/R-94-004F		
	Description	Any anchored woody debris within the active channel at each transect location. Any piece of woody debris with a base >30cm in size and at least 5m in length was counted in the tally.				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	NPS_A-11	Active	Perchlorate Method A-11	WHSA00000001 - Chaudhuri, S., H. Okamoto, S. Pia, and D. Tsui, March 26, 1999, Collaborative Study on AS-5 and AS-11 Methods, Interagency Perchlorate Steering Committee Analytical Subcommittee Report, Vol. 1		
11NPSWRD	NPS_AA_CATIONS	Active	Cations By Atomic Adsorption Spectroscopy	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Atomic Absorption Spectrophotometer	
Description Cations were measured by atomic adsorption spectroscopy (AA). Dilution correction factors may have been used to statistically support the accuracy and precision of the average sample concentration.						
11NPSWRD	NPS_ACCU AP84	Active	Accumet Model AP84 DO Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_ACCU PH	Active	Accumet Model 640A Portable pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_AIRTE MP_ANL	Active	Air Temperature Measured with Analog Thermometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Thermometer	
Description Air temperature was measured with an analog thermometer, the manufacturer and model number of the thermometer are unknown.						
11NPSWRD	NPS_ALK_TITRATE	Active	Alkalinity by Titration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
Description Alkalinity was measured with an unknown titration kit.						
11NPSWRD	NPS_AS_50 4	Active	American Scientific Model 504 Conductivity Meter	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6	Conductivity Meter	
11NPSWRD	NPS_BECK MAN_11	Active	Beckman Model 11 Temperature-Compensated pH Meter	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9,	pH meter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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11NPSWRD	NPS_BECK RB4-250	Active	Beckman RB4-250 Conductivity Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Bridge	
11NPSWRD	NPS_BELF ORT_IR	Active	Incident Radiation by Belfort Recording Pyrheliometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Incident radiation was measured with a Belfort Recording pyrheliometer.						
11NPSWRD	NPS_BEUK 92_14C	Active	Carbon 14 Isotope Analysis by Accelerator Mass Spectrometry	Beukens, R.P., 1992, Radiocarbon accelerator mass spectrometry: Background, precision and accuracy, in Taylor, R. E., Long, A., and Kra, R. S. eds., Radiocarbon after four decades, Springer-Verlag Publishing, p. 230-239	Mass Spectrometer	
Description Carbon-14 isotope analyses of water samples were measured by accelerator mass spectrometry according to methods described in Beukens (1992). All ¹⁴ C determinations are reported in percent modern carbon (pmc) normalized to the 1950 National Bureau of Standards (National Bureau of Standards, 1984) oxalic acid standard (Stuiver and Polach, 1977; Wigley and Muller, 1981), with accompanying 1 sigma error in pmc.						
11NPSWRD	NPS_BIGEL 52_2H	Active	Deuterium by 1952 Bigeleisen Method	Bigeleisen, J., M.L. Perlman, and H.C. Prosser, 1952, Conversion of Hydrogenic Materials to Hydrogen for Isotopic Analysis, Analytical Chemistry, Vol. 24, p.1356-1357	Mass Spectrometer	
Description Deuterium analyses were made following the procedure authored by J. Bigeleisen, 1952.						
11NPSWRD	NPS_BROM _TOTALK	Active	Total Alkalinity-Colorimetrically, by Bromcresol Green-Methyl Red Indicator	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Titration Apparatus	
Description Total alkalinity was determined colorimetrically, using Bromcresol Green-Methyl Red indicator solution.						
11NPSWRD	NPS_CL97_ 12/13C	Active	Carbon Isotope Analysis by Isotopic Ratio Mass Spectrometric Technique	Clark, I.D. and P. Fritz, 1997, Environmental isotopes in hydrogeology, Lewis Publishers, Unknown	Mass Spectrometer	
Description Carbon isotope (¹³ C/ ¹² C) analyses of water samples were measured by an isotope ratio mass spectrometric technique (Clark and Fritz, 1997) after conversion of inorganic carbon to carbon dioxide by addition of hydrochloric acid. All ¹³ C results are reported in per mil relative to the Vienna Pee Dee belemnite standard (Coplen, 1994). These data are necessary to correct carbon-14 (¹⁴ C) results for ground-water dating applications.						
11NPSWRD	NPS_CLIN OMETER	Active	Clinometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	NPS_COP93_2H/1H	Active	Hydrogen Isotope Ratio by Hydrogen Equilibration Technique	Coplen, T.B., J.D. Wildman, and J. Chen, 1991, Improvements in the gaseous hydrogen-water equilibration technique for hydrogen isotope radio analysis in Analytical Chemistry, American Chemical Society, V. 63, p. 910-912	Spectrophotometer	
Description Hydrogen isotope ratios (2H/1H) for water were determined using a hydrogen equilibration technique at 30°C to measure 2H activity (Coplen and others, 1991). Hydrogen isotopic results are reported in per mil relative to Vienna Standard Mean Ocean Water (VSMOW) and normalized (Coplen, 1988, 1994; International Union of Pure and Applied Chemistry, 1994) on scales such that the 2H/1H values of Standard Light Antarctic Precipitation (SLAP) are -428 ‰.						
11NPSWRD	NPS_CORNING4	Active	Corning Model 4 Temperature/pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
Description Digital resolution from Corning 4 to 0.01 pH. CUVA still has the manual.						
11NPSWRD	NPS_CORNING620	Active	Corning Model 620 pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_CORNING7_PH	Active	Corning Model 7 pH meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
Description pH was determined with a Corning Model 7 pH meter.						
11NPSWRD	NPS_CORNINGCH90	Active	Corning Checkmate 90	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
11NPSWRD	NPS_CORNINGCHII	Active	Corning Checkmate II Handheld Analysis System	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
11NPSWRD	NPS_DEN1921_SP	Active	Soluble Phosphorus Method of Deniges	Deniges, G., 1921, Determination Quantitative Des Plus Faible Quantites De Phosphates Dans Les Produit Biologiques Par La Method Ceruleomolybdique, Compt. Ren. Soc. Biol. Paris, 84, 17: 875-877		
Description Soluble phosphorus (PO4) was determined by the method of Deniges (1921).						
11NPSWRD	NPS_DENBRD	Active	Terrestrial Vegetation Density Measurement with Density Board	NGPN_0000001 - Braun, C.E., 2005, Techniques for Wildlife Investigations and Management, The Wildlife Society, 6th Edition		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Nudds Board (Vegetation Density Board) measurements taken on each bank at the transect as a measure of undergrowth vegetation. Density Board readings range from 0 (board totally obscured by vegetation) to 21 (board totally visible through vegetation).						
11NPSWRD	NPS_DENS IOMETER	Active	Canopy Coverage by Convex Spherical Densimeter Measurement	USEPA, 1998, Field Operations and Methods for Measuring the Ecological Condition of Wadeable Streams., USEPA, EPA 620/R-94-004F		
Description Convex Spherical Densimeter Instrument used to evaluate riparian canopy cover at transect sample points on each bank within a sampled stream reach.						
11NPSWRD	NPS_DUGA N85_18O	Active	Oxygen Isotopes-Guanidine Hydrochloride Method	Dugan Jr., J.P. et al., 1985, Guanidine hydrochloride method for determination of water oxygen isotope ratios and the oxygen-18 fractionation between carbon dioxide and water at 25°C, Analytical Chemistry, Vol. 57, pp. 1734-17	Mass Spectrometer	
Description The oxygen isotope ratios of the collected water were determined by heating 10 µL of water with 100 mg of guanidine hydrochloride for 8-10 h at 260 °C to produce ammonia and carbon dioxide. When cooled, the gases combine to produce solid ammonium carbamate. CO2 is then produced by heating the ammonium carbamate with 0.5mL of 100% H3PO4 at 80 °C for 1 h (Dugan et al., 1985). The CO2 is then purified and directly introduced into a Finnigan Mat Delta E mass spectrometer. The reproducibility of the delta 18O values is 0.2 per mil. All data are reported in the standard delta notation as a per mil variation from the SMOW (Standard Mean Ocean Water) standard where delta 18O per mil = {R(sample) - R(SMOW)/R(SMOW)} x1000 and where R = 18O/16O.						
11NPSWRD	NPS_DWV_FLOW	Active	Flow Calculated with Measurements of Depth, Width and Velocity of Stream	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Calculated	
Description Flow was determined using measurements from the channel width, depth(s), and mean water velocities.						
11NPSWRD	NPS_EPA7 9_URAN	Active	Uranium Disequilibrium Analysis	USEPA Monitoring Lab, Las Vegas, Nevada, 1979, Radiochemical Analytical Procedures for Analysis of Environmental Samples, USEPA, Unknown Vol or pages	Alpha Spectrophotometer	
Description Uranium Disequilibrium analysis was conducted using the anion exchange method described by the US EPA 1979. First 232U is added to the samples as a tracer to quantify the percentage of uranium isotope recovery. Uranium is then removed from solution by coprecipitating uranium isotopes with ferric hydroxide. The precipitate is then dissolved in hydrochloric acid, and the solution is passed through columns to separate uranium isotopes from other metals. Ion exchange is achieved by flushing the columns with acid and collecting the analyte. The uranium is then plated on a stainless steel planchets by electrodeposition, and a high resolution solid-state alpha particle spectrometer is used to count alpha emissions. The samples are counted for 1000 minutes, and the resultant disintegrations per unit time are used to calculate the concentration of uranium in solution.						
11NPSWRD	NPS_EPAD	Active	Gross Alpha and Gross Beta	USEPA, 1976, Drinking water regulations:	Beta Gas	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	WR76RAD		Radioactivity by Gas-Proportional Counter	Radionuclides, USEPA, V. 41, p. 28402	Proportional Detector	
Description	Gross-alpha/gross-beta counting is a semi quantitative technique for measuring overall radioactivity in water samples without extensive sample preparation. This method is most often applied for screening purposes. The method has the advantage of being sensitive to activity from a wide range of radionuclides, but does not inherently provide qualitative information about the identity of the radioactive isotopes present. Samples are prepared by evaporation to dryness on a planchet. Gross alpha and beta emissions are measured on the dried residue using a gas-proportional counter by a method specified by the U.S. Environmental Protection Agency (1976). Count rates from the detector are converted to and reported as activities. More details of the methodology can be found in American Public Health Association (1985).					
11NPSWRD	NPS_EPA_RBP2	Active	EPA Rapid Bioassessment Protocol Second Edition	Barbour, M.T., J. Gerritsen, B.D. Snyder, and J.B. Stribling, 1999, Rapid Bioassessment Protocols for use in streams and Wadeable rivers: periphyton, benthic macroinvertebrates and fish, U.S. Environmental Protection Agency, 2nd Edition	Human Eye	
Description	Methods to score habitat quality using EPA's Rapid Bioassessment Protocols, Second Edition (Barbour et al. 1999; downloadable at: http://www.epa.gov/owow/monitoring/rbp/).					
11NPSWRD	NPS_EPS5_3_O18	Active	Oxygen Isotope Ratio by Carbon Dioxide Equilibration Technique, Epstein and Mayeda, 1953	EPSTGEOC1953 - Epstein, S. and T. Mayeda, 1953, Variation of O 18 content of waters from natural sources., Geochim. Cosmochim. Acta, Vol 5: 213-224	Mass Spectrometer	
Description	The following description of the laboratory's protocol for oxygen isotope analysis was copied from the INSTAAR Lab website: Water samples submitted for oxygen isotopic analyses are logged into our SIL sample database where all pertinent information about each sample is recorded and each sample is assigned a sequential internal SIL Sample ID number. Our method of isotopic analysis is based on Epstein and Mayeda (1953). All samples are held in refrigerated storage until such time when 2 ml aliquots from each sample are pipetted into 5 ml glass auto sampler vials with for analysis. Care is taken to minimize evaporation of samples or standards. The remaining 3 ml headspace in the vials is filled with CO2 using a Plexiglas enclosure that floods the manifolds, vials and surrounding area with pure CO2. Vials are positioned carefully in a matching rack, just below the manifold itself. All areas are flushed for 2 minutes with CO2 tank gas entering through the manifold, and along the sides of the chamber, venting on the ends. After 2 minutes, the manifold is gently lowered onto the vials as a group; engaging the 'O-ring' fitted vial ports into the vials. The samples are then placed in a custom sealed chamber that accommodates the rack-manifolds of 18 samples or standards. Typically, a rack contains 14 samples and 4 standards. Each rack-manifold is placed along with others in an enclosed equilibration block, where the temperature is controlled at 25°C (± 0.1°C), the point at where equilibration fractionation factors are well known. Samples and standards are allowed to equilibrate for a minimum of 8 hours, at which time, the CO2 becomes isotopically representative of the oxygen 18 ratio in the sample or standard. For the isotopic analysis of the headspace CO2, a Micromass Optima Dual Inlet mass spectrometer used. The headspace CO2 of the sample or standard is expanded into the mass spectrometer, via the sample bellows. The CO2 is fed into the mass spectrometer where the gas is ionized, accelerated by a ~3kv electric field. The resulting ion beams are then separated by a fixed magnet that surrounds the flight tube into their constituent masses (44,45, and 46), and currents are measured on collectors (faraday cups). Sample and reference gas are alternated to achieve statistically significant ratio counts. The ratio of the beam currents is then converted to a delta value using standard notation, and the results are logged by the controlling computer. Computer files with sample data are post processed, where QA/QC evaluations are performed. The					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			<p>samples are drift corrected for measured differences between water standards of known values. In addition, a second, isotopically different ($>150\text{‰}$) standard is analyzed in the same run as if it were a sample. The determined value is compared to its known value as a secondary QA/QC check on all performed corrections. The internal lab water standards are calibrated annually against water standards obtained from the International Atomic Energy Agency (IAEA), V-SMOW, SLAP, and GISP. We also frequently exchange and compare standards with other laboratories. Results are reported relative to V-SMOW in per mil ($‰$). Typical reproducibility between multiple standards in one set of samples is $\pm 0.06\text{‰}$ in delta 18O. Digital results of the analyses are retained on three different hard drives, as well as a paper copy, for future reference and QA/QC. If requested, samples can be returned.</p>			
11NPSWRD	NPS_EVAP 180_TDS	Active	Total Dissolved Solids By Evaporation At 180 Degrees Centigrade	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Drying Oven	
	Description	Total Dissolved Solids were measured as residue on evaportaion at 180 degrees Centigrade.				
11NPSWRD	NPS_EXT3 41450P	Active	Extech 341450P Oyster pH/Temperature/Conductivit y Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
	Description	Temperature, pH and conductivity readings taken with an Extech Instruments 341450-P electronic probe.				
11NPSWRD	NPS_FIELD _WTEMP	Active	Field Measurement of Water Temperature by Thermometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Thermometer	
	Description	Temperature of the water was measured in the field with a thermometer.				
11NPSWRD	NPS_FISH1 52	Active	Fisher Model 152 Conductivity Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_FLOA T_FLOW	Active	Discharge Determined by Float Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
	Description	Flow velocity was measured with a float and discharge was calculated based on stream dimensions.				
11NPSWRD	NPS_FLOA T_VEL	Active	Stream Velocity Approximated by Float Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
	Description	Stream velocity was approximated by timing a floating object over a measured distance.				
11NPSWRD	NPS_FLOW PROBE	Active	Flow Probe Hand-held Flowmeter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	Description	From: Forestry Suppliers, Inc.				
		Ideal for storm run-off studies or flow measurings of rivers, streams, canals, and sewers. Incorporates true velocity averaging for the most accurate measurement possible. The probe shaft is available in lengths that extend from 3' to 6' and from 5' to 15'. Located on the bottom tip is a protected Turbo-Prop sensor which uses the most advanced positive displacement technique available. For minimal friction, this 2" Turbo-Prop sensor rotates freely on a bearing shaft with no mechanical interconnections. Magnetic material in the propeller passes a pickup coil in the housing producing electrical impulses. These electrical impulses are then carried by wire to a readout display on top of the handle. This readout display amplifies and converts the signal into feet/meters per second readings. Instantaneous velocity and true average velocity are then displayed. A unique two-button keypad allows other functions to be displayed including maximum velocity, time-of-day, stop watch, totalizer for batch flows, and RPM for accurate low velocity measurement. Features a padded gun-type carrying case and long life watch-type batteries for readout display (no battery required for Turbo-Prop). Probe can be extended up to 25' with standard PVC pipe and electrical extension cable. Specifications: Range: 0.3 to 15 FPS (0.1 to 4.5 MPS). Accuracy: average velocity ±0.1 FPS, instantaneous velocity ±0.5 FPS. Averaging: true digital running average. Display: LCD. Sensor Type: protected Turbo-Prop propeller with electromagnetic pickup. Weight: 2 lbs. Size: probe expands from 3' to 6', sensor housing is 2" in dia. x 3"L. Materials: PVC handle and propeller housing, anodized aluminum shaft, brass bearing. Power: Internal replaceable watch-type batteries with one-year life. Operating temperature: 0°F to 120°F.				
11NPSWRD	NPS_FLOW_USGS	Active	Instantaneous Discharge from Nearby USGS Stream Flow Gage	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	River Gage	
11NPSWRD	NPS_FLUM_E_FLOW	Active	Discharge Determined by Flume	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
	Description	Discharge was determined with a flume. Other procedure details are unknown.				
11NPSWRD	NPS_GCA_87/86SR	Active	Strontium Isotope Analysis by Solid Source Mass Spectrometry	Bullen, T.D., D.P. Krabbenhoft, and C. Kendall, 1996, Kinetic and mineralogic controls on the evolution of groundwater chemistry and 87/86 Strontium in a sandy silicate aquifer, northern Wisconsin, USA, Geochimica et Cosmochimica Acta, V.60 #10 p.1807-1821	Mass Spectrometer	
	Description	Strontium isotope (87Sr/86Sr) analyses of water samples were performed using solid source mass spectrometry (Taylor, 2000; Bullen and others, 1996). This procedure normalized 87Sr/86Sr results (as ratios) for natural and analytical fractionation to 8.37521.				
11NPSWRD	NPS_GENO_C2030	Active	Stream Velocity by General Oceanics Model 2030 Flow Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
	Description	Velocity determined by General Oceanics Model 2030 digital mechanical flow meter.				
11NPSWRD	NPS_GLOB_ALFLOW	Active	Discharge Determined by Global Flow Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Device	
Description Flow velocity was measured with a Global Flow Meter and discharge was calculated based on stream dimensions.						
11NPSWRD	NPS_GS-2175FLOW	Active	USGS/Rantz Method for Stream Discharge Measurement	USGS00000015 - Rantz, S.E. et al., 1982, Measurements and computations of streamflow: volume 1. Measurement of stage and discharge. Water Supply Paper 2175., U.S. Geological Survey, Volume 1	Flow Rate Measurement Device	
Description Stream discharge was determined by the procedure documented by S.E. Rantz in the 1982 USGS Water Supply Paper 2175.						
11NPSWRD	NPS_GS21-75-82FL	Active	Discharge Determined by Portable Flume, 1982 U.S. Geological Survey Water-Supply Paper 2175	USGS00000015 - Rantz, S.E. et al., 1982, Measurements and computations of streamflow: volume 1. Measurement of stage and discharge. Water Supply Paper 2175., U.S. Geological Survey, Volume 1	Flow Rate Measurement Device	
Description A portable flume was used for determining discharge when depths are too shallow and velocities too low for a current-meter measurement of discharge. The portable flume used by the U.S. Geological Survey is a modified form of the standard Parshall flume						
11NPSWRD	NPS_GS21-75-82PY	Active	Discharge Determined by Pygmy Meter	USGS00000015 - Rantz, S.E. et al., 1982, Measurements and computations of streamflow: volume 1. Measurement of stage and discharge. Water Supply Paper 2175., U.S. Geological Survey, Volume 1	Flow Rate Measurement Device	
Description A pygmy meter was used to measure velocity and calculate discharge						
11NPSWRD	NPS_GS21-75-82VL	Active	Discharge Determined by Volume	USGS00000015 - Rantz, S.E. et al., 1982, Measurements and computations of streamflow: volume 1. Measurement of stage and discharge. Water Supply Paper 2175., U.S. Geological Survey, Volume 1	Flow Rate Measurement Device	
Description Discharge was measured volumetrically with a timer and container of known volume. This method was used when flow was too shallow for the pygmy meter or when flow was less than 25 L/min.						
11NPSWRD	NPS_GS79-101_IC	Active	Selected Anions in Water by Ion Chromatography-USGS WRI No. 79-101.	Fishman, M.J. and Grace Pyen, 1979, Determination of Selected Anions in Water by Ion Chromatography, U.S. Geological Survey Water-Resources Investigations. Report 79-101, U.S. Geological Survey, WRI Report No.79-101	Ion Chromatograph	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Determination of selected anions in water by ion chromatography. U.S. Geological Survey Water Resources Investigations, No. 79-101.						
11NPSWRD	NPS_GS93-638	Active	Automated Colorimetric Method for NO ₃ +NO ₂ , Nitrite, Ammonium, and Orthophosphate Ions, USGS Open-File Report 93-638	USGS93-638 - Antweiler, R.C., Patton, C.J., and Taylor, H.E, 1996, Automated, colorimetric methods for determination of nitrate plus nitrite, nitrite, ammonium and orthophosphate ions in natural water samples, U.S. Geological Survey, OFR93-638	Colorimeter	
Description An air-segmented continuous-flow analyzer (Alpkem RFA-300) was used to implement the automated, colorimetric method. The system components included a 301 sampler, a 302 peristaltic pump, a 313 analytical cartridge base, a 314 power module, three 305A photometers, and a PC-based data acquisition and processing system.						
11NPSWRD	NPS_GS94-358TRA	Active	Trace Elements by Inductively Coupled Plasma-Mass Spectrometer, USGS Open-File Report No. 94-358	USGS94-358 - Garbarino, J.R. and H.E. Taylor, 1994, Inductively coupled plasma-mass spectrometric method for the determination of dissolved trace elements in natural water, U.S. Geological Survey, OFR94-358	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
Description Trace element determinations (excluding mercury) were performed in triplicate on undiluted field-preserved samples by inductively coupled plasma-mass spectrometer (ICP-MS) using a Perkin Elmer Elan Model 6000 ICP-MS.						
11NPSWRD	NPS_GS95-426A	Active	Determination of Dissolved Chloride, Nitrate, and Sulfate by Ion Chromatography, USGS Open-File Report No. 95-426A	USGS95-426A - Brinton, T.I., R.C. Antweiler, and H.E. Taylor, 1996, Method for the determination of dissolved chloride, nitrate, and sulfate in natural waters using ion chromatography, U.S. Geological Survey, OFR95-426A	Ion Chromatograph	
Description Analyte determination was made by ion exchange chromatography using a modified Dionex 2002i/SP series ion chromatograph.						
11NPSWRD	NPS_GSTW R179ALK	Active	Total Alkalinity by Automated Gran Titration USGS TWRI 1979	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Titration Apparatus	
Description Total alkalinity was analyzed by an automated Gran titrimetric procedure using sulfuric acid as the titrant described by Skougstad et al., 1979.						
11NPSWRD	NPS_GSTW R183DOC	Active	Dissolved Organic Carbon by Infrared Absorption Spectrophotometry USGS TWRI 1983	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Infrared Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Dissolved organic carbon was determined by oxidation of the organic carbon in the sample to carbon dioxide, which was subsequently measured by an infrared absorption spectrophotometric technique (Wershaw and others, 1983).						
11NPSWRD	NPS_GSTW R197AIR	Active	Air Temperature by Thermometer USGS TWRI 1997	U.S. Geological Survey, 1997, National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, USGS, A1-A9, 2 v.	Thermometer	
Description Air temperature was measured with a thermometer according to methods outlined in the U.S. Geological Survey, Techniques of Water-Resources Investigations Book 9, Chapter 6.1.						
11NPSWRD	NPS_GSTW R197ALK	Active	Field Alkalinity Determined with pH meter and Alkalinity Kit USGS TWRI 1997	U.S. Geological Survey, 1997, National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, USGS, A1-A9, 2 v.	Titration Apparatus	
Description Alkalinity was determined in the field using a pH meter and alkalinity kit according to methods outlined in the U.S. Geological Survey, Techniques of Water-Resources Investigations Book 9, Chapter 6.6.						
11NPSWRD	NPS_GSTW R197CO3	Active	Dissolved Carbonate Determined by Titrimetry USGS TWRI 1997	U.S. Geological Survey, 1997, National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, USGS, A1-A9, 2 v.	Titration Apparatus	
Description The carbonate portion of alkalinity was determined in the field using a pH meter and alkalinity kit according to methods outlined in the U.S. Geological Survey, Techniques of Water-Resources Investigations Book 9, Chapter 6.6.						
11NPSWRD	NPS_GSTW R197HCO	Active	Dissolved Bicarbonate Determined by Titrimetry USGS TWRI 1997	U.S. Geological Survey, 1997, National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, USGS, A1-A9, 2 v.	Titration Apparatus	
Description The bicarbonate portion of alkalinity was determined in the field using a pH meter and alkalinity kit according to methods outlined in the U.S. Geological Survey, Techniques of Water-Resources Investigations Book 9, Chapter 6.6.						
11NPSWRD	NPS_GSTW R197SPC	Active	Specific Conductance USGS TWRI 1997	U.S. Geological Survey, 1997, National field manual for the collection of water-quality data:	Probe	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, USGS, A1-A9, 2 v.		
	Description	Specific conductance was measured according to methods outlined in the U.S. Geological Survey, Techniques of Water-Resources Investigations Book 9, Chapter 6.3.				
11NPSWRD	NPS_GSTW RI97_DO	Active	Dissolved Oxygen USGS TWRI 1997	U.S. Geological Survey, 1997, National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, USGS, A1-A9, 2 v.	Probe	
	Description	Dissolved oxygen was measured according to methods outlined in the U.S. Geological Survey, Techniques of Water-Resources Investigations Book 9, Chapter 6.2.				
11NPSWRD	NPS_GSTW RI97_PH	Active	pH by pH Meter USGS TWRI 1997	U.S. Geological Survey, 1997, National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, USGS, A1-A9, 2 v.	pH meter	
	Description	pH was measured with a pH meter according to methods outlined in the U.S. Geological Survey, Techniques of Water-Resources Investigations Book 9, Chapter 6.4.				
11NPSWRD	NPS_GSTW RI97_WT	Active	Water Temperature by Thermometer USGS TWRI 1997	U.S. Geological Survey, 1997, National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, USGS, A1-A9, 2 v.	Thermometer	
	Description	Surface water temperature was measured with a thermometer according to methods outlined in the U.S. Geological Survey, Techniques of Water-Resources Investigations Book 9, Chapter 6.1.				
11NPSWRD	NPS_GWF M-FP101	Active	Global Water Flow Meter FP101	GRBA_0000003 - Schenk, G., N. Darby, and B. Hamilton, 2003, Aquatic Resources Protocols Manual, Great Basin National Park, Great Basin National Park, 76 pp Document/Graphic	Flow Rate Measurement Device	
	Description	Global water flow meter used to measure velocity by gently moving the meter back and forth in the water until an average velocity is calculated. The stream depth is measured in three locations and the stream width is also measured. All three measurements are multiplied together to calculate the discharge flow.				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	NPS_HACH 150	Active	Hach Model 150 Conductivity Meter	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
11NPSWRD	NPS_HACH 16046	Active	Hach Model 16046 Portable Dissolved Oxygen Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Polarograph	
Description Dissolved oxygen meter.						
11NPSWRD	NPS_HACH 175	Active	Hach Model 175 DO Meter	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
11NPSWRD	NPS_HACH 2010DR	Active	Hach DR2010 Spectrophotometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Spectrophotometer	
11NPSWRD	NPS_HACH 2100P	Active	Hach Model 2100P Portable Turbidimeter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Turbidimeter	USEPA/180.1
Description Turbidity Range: 0-1000 NTU in automatic range mode Accuracy: +/- 2% of reading or +/- 1 least significant digit from 0-500 NTU Resolution: 0.01 on lowest range Method: EPA 180.1 Turbidity by Nephelometry						
11NPSWRD	NPS_HACH 700IRON	Active	Iron by Hach DR/700 Portable Colorimeter	Hach Company, 2001, Hach DR/700 Colorimeter Procedures Manual, 9th Edition, Hach Company, 9th Ed., 66 pages	Colorimeter	
Description Iron (all soluble and some insoluble forms) determined by the Hach DR/700 Portable Colorimeter.						
11NPSWRD	NPS_HACH 8203	Active	Hach Alkalinity Method 8203 Water Analysis Handbook	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Digital Buret	USEPA/310.1_M
11NPSWRD	NPS_HACH 8203ED3	Active	Hach Alkalinity Method 8203, 3rd Edition, 1997 WAH	HACH_WAH1997 - Hach Company, 1997, Hach Water Analysis Handbook, 3rd Edition, Hach Company, 3rd Edition	Digital Buret	
Description Alkalinity was determined by Digital Titrator following Hach Method 8203 from the 1997 Edition Hach Water Analysis Handbook.						
11NPSWRD	NPS_HACH	Active	Hach Total Hardness	Unknown, 19--, No Cite - Method Not Cited,	Digital Buret	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	8213		Method 8213	Unknown, Vol --		
Description	Total Hardness was determined with a Hach Digital Titrator with EDTA Method 8213.					
11NPSWRD	NPS_HACH 8P	Active	Hach Model 8P Chloride Test Kit	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
11NPSWRD	NPS_HACH POK_NO3	Active	Nitrate by Hach Pocket Colorimeter	Hach Company, 2000, Hach Company, Pocket Colorimeter Nitrate (NO3-N) Manual, 4th Edition, Hach Company, 4th Ed., 49 pages	Colorimeter	
Description	Nitrate was determined with a Hach Pocket Colorimeter.					
11NPSWRD	NPS_HACH POK_PO4	Active	Phosphate by Hach Pocket Colorimeter	Hach Company, 1999, Hach Pocket Colorimeter Analysis System, Reactive Phosphorus and Phosphonates Instruction Manual, 3rd Edition, Hach Company, 3rd Ed., 81 pages	Colorimeter	
Description	Phosphate was determined with a Hach Pocket Colorimeter.					
11NPSWRD	NPS_HACH _16900	Active	Hach Digital Titrator Model 16900	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_HACH _8171	Active	Nitrate-Hach Method 8171, Cadmium Reduction Method	HACH_WAH1997 - Hach Company, 1997, Hach Water Analysis Handbook, 3rd Edition, Hach Company, 3rd Edition	Spectrophotometer	
Description	Cadmium metal reduces nitrates present in the sample to nitrite. The nitrite ion reacts in an acidic medium with sulfanilic acid to form an intermediate diazonium salt which couples to gentisic acid to form an amber-colored product.					
11NPSWRD	NPS_HACH _AL36DT	Active	HACH Model AL-36DT Water Chemistry Kit	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
Description	HACH Model AL-36DT portable water chemistry kit					
11NPSWRD	NPS_HACH _ALK	Active	Unspecified Hach Alkalinity Kit	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		APHA/2320
Description	Filtered sample, titration with H2SO4.					
11NPSWRD	NPS_HACH _EC10	Active	Hach Model EC10 pH Meter	HACH00000001 - Hach, 1996, EC10 Portable pH/mV/Temperature Meter Model 50050, Hach, 40p.		APHA/4500-H

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Document/Graphic						
11NPSWRD	NPS_HACH_ONEPH	Active	Hach Model One pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
Description		Data were collected using a portable Hach Model One pH meter.				
11NPSWRD	NPS_HACH_SPCTRO	Active	Hach Kit with spectrophotometer, unknown model or instrument number	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
Description		A field spectrophotometer of unknown model number and Hach Kit reagents were used to test for and quantify the parameter.				
11NPSWRD	NPS_HANN_PHEP1	Active	Hanna Model pHep1 Pocket-Sized pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_HAN_8314_PH	Active	Hanna Instruments HI 8314 Membrane pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
11NPSWRD	NPS_HAN_DISTWPI	Active	Hanna Instruments DiST Wpi Handheld Meter for Total Dissolved Solids	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
Description		Total Dissolved Solids data was collected with a Hanna Instruments DiST Wpi handheld meter				
11NPSWRD	NPS_HI8733	Active	Hanna Specific Conductance Meter Model # HI8733	Hanna Instruments, 1997, Instruction Manual HI 8033 - HI 8633; HI 8733 - HI 8734; HI 933000 Portable Multi-Range Conductivity/TDS Meters, Hanna Instruments, 28 pages	Conductivity Meter	
Description		Specific conductance was measured with a Hanna conductivity meter model HI 8733. The manufacturer lists the instrument's measurement ranges as 0.1 to 199.9 umho/cm for Specific Conductance.				
11NPSWRD	NPS_HI991300	Active	Hanna Multi-probe Meter Model # HI991300	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
Description		Multiple parameters were measured with a Hanna multi-probe model HI 991300.				
11NPSWRD	NPS_HNDH_LD_TEMP	Active	Hand-Held Thermometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Thermometer	
Description		Temperature was measured using a hand-held thermometer of unknown type or manufacturer.				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	NPS_HOBO UNKN	Active	Onset HOBO Temperature Data Logger	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
Description Temperature was measured at set intervals with an Onset Computer Corporation HOBO temperature data logger. The model number is unknown						
11NPSWRD	NPS_HORIBA_U-10	Active	Horiba U-10 Water Checker	GRBA_0000003 - Schenk, G., N. Darby, and B. Hamilton, 2003, Aquatic Resources Protocols Manual, Great Basin National Park, Great Basin National Park, 76 pp Document/Graphic	Probe	
Description Measures dissolved oxygen, pH, salinity, specific conductance, turbidity, and water temperature.						
11NPSWRD	NPS_HYDR LAB4000	Active	Hydrolab Probe Model 4000	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Hydrolab Multi Probe Handheld Instrument	
Description Data was collected on site using a portable HydroLab.						
11NPSWRD	NPS_HYDR LAB_DS4	Active	Hydrolab DataSonde 4 Data Logger Probes	DATA&MINISND - Hydrolab Corp., April 1998, DataSonde 4 and MiniSonde Water Quality Multiprobes, User's Manual, Hydrolab Corp., HL#003078, 278pp	Hydrolab Remote (unattended) Multi Probe Instrument	
11NPSWRD	NPS_HYDR LAB_MS	Active	Hydrolab MiniSonde Data Logger Probes	DATA&MINISND - Hydrolab Corp., April 1998, DataSonde 4 and MiniSonde Water Quality Multiprobes, User's Manual, Hydrolab Corp., HL#003078, 278pp	Hydrolab Multi Probe Handheld Instrument	
11NPSWRD	NPS_HYDR LAB_UNK	Active	Hydrolab Probe-Unknown Model	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Hydrolab Multi Probe Handheld Instrument	
Description Data was collected on site using an unknown model of Hydrolab Multi Probe Handheld Instrument.						
11NPSWRD	NPS_HYDR OLA_H2O	Active	Hydrolab H2O	HYDROLAB0001 - Hydrolab Corporation, March 1991, Hydrolab H2O Multiparameter Water Quality Data Transmitter Operating Manual, Hydrolab Corporation, None	Hydrolab Multi Probe Handheld Instrument	
11NPSWRD	NPS_HYDR _M&D_4A	Active	Hydrolab MiniSonde 4a or Hydrolab DataSonde 4a	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Hydrolab Multi Probe Handheld Instrument	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description		Attended/Handheld				
11NPSWRD	NPS_HYDS_COUT2	Active	Hydrolab Scout 2 Probe	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Hydrolab Multi Probe Handheld Instrument	
Description		Data were collected using a portable Hydrolab Scout 2 model probe				
11NPSWRD	NPS_HYD_H2O_SC2	Active	Hydrolab H2O DataSonde and Scout 2 Display Unit	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Hydrolab Multi Probe Handheld Instrument	
Description		Data were collected using a submersible Hydrolab H2O DataSonde and a Scout 2 display unit.				
11NPSWRD	NPS_ICP_METALS	Active	Metals by Unknown ICP Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Inductively Coupled Plasma Spectrophotometer	
Description		The specific source and number of the procedure used for analyzing metals by Inductively Coupled Plasma is not known				
11NPSWRD	NPS_INS98_DD	Active	INSTAAR Hydrogen Isotope Analysis	VAUCHGEO1998 - Vaughn, B.H., J.W.C. White, M. Delmotte, M. Troler, O. Cattani, and M. Stievenard, 1998, An automated system for hydrogen isotope analysis of water., Chemical Geology, vol 152, no. 3-4	Mass Spectrometer	
Description		The following description of the laboratory's protocol for hydrogen isotope analysis was copied from the INSTAAR Lab website: Water samples submitted for hydrogen isotopic analyses are logged into our SIL sample database where all pertinent information about each sample is recorded and each sample is assigned a sequential internal SIL Sample ID number. All samples are held in refrigerated storage until such time when 2 ml aliquots from each sample are pipetted into 5 ml glass auto sampler vials with septa caps for analysis. A Micromass SIRA Series II Dual Inlet mass spectrometer is dedicated to analyzing hydrogen isotopes in water, using a Gilson autosampler coupled to a uranium reduction system for 24 hour automated operation (Vaughn et al. 1998). The samples are arranged in the autosampler for the analysis run into groups of seven, separated by one of 5 different, pre-calibrated internal lab standard waters which are chosen with the expected isotopic range of the samples in mind (ranging from -3‰ to ‰430 ‰, relative to V-SMOW). The autosampler automatically delivers 50 micro liters of water sample s and standards to a two position, six-port Valco valve, which flushes, isolates and then injects a 5-microliter sample volume to the heated expansion chamber. The sample in water vapor form is subsequently expanded into glass chambers where the pressure bleeds to the mass spectrometer through a heated (600° C) uranium reduction furnace. The resulting hydrogen escapes from the uranium and is fed into the mass spectrometer where the gas is ionized, accelerated by a approximately 3kv electric field. The resulting ion beams are then separated by a fixed magnet that surrounds the flight tube into their constituent masses, and currents are measured on collectors (faraday cups). Sample and reference gas are alternated to achieve statistically significant ratio counts. The ratio of the beam currents is then converted to a delta value using standard notation, and the results are logged by the controlling computer. Computer files with sample data are post processed, where QA/QC evaluations are performed. The samples are drift corrected for measured differences between water standards of known values. The ‰memory‰ in the instrument from residuals of the previous sample is accounted for, based on previous memory determinations from widely varying standards of known				

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				values are analyzed sequentially. In addition, a second, isotopically different ($>150\text{‰}$) standard is analyzed in the same run as if it were a sample. The determined value is compared to its known value as a secondary QA/QC check on all performed corrections. The internal lab water standards are calibrated annually against water standards obtained from the International Atomic Energy Agency (IAEA), V-SMOW, SLAP, and GISP. We also frequently exchange and compare standards with other laboratories. Results are reported relative to V-SMOW in per mil ($‰$). Typical reproducibility between multiple standards in one set of samples is $\pm 0.3\text{‰}$ in delta D. (We quote $\pm 1\text{‰}$). Digital results of the analyses are retained on three different hard drives, as well as a paper copy, for future reference and QA/QC. If requested, samples can be returned.		
11NPSWRD	NPS_INSIT U_TROL	Active	In-Situ Inc Troll Multi-parameter Water Quality Instrument, Unknown Model Number	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
Description		Physical characteristics were measured in the field with an In-Situ Inc Troll Multi-parameter Water Quality Instrument. The model number is unknown.				
11NPSWRD	NPS_INTR OLL9000	Active	In-Situ TROLL 9000 Multi-Parameter Water Quality Monitor	NPS_ISIT9000 - In-Situ, Inc., Unknown, In-Situ TROLL 9000 Multi-Parameter Water Quality Monitor, Geotech, 2 pp Document/Graphic		
11NPSWRD	NPS_INVE RTS	Active	Invertebrate Sample Processing	USEPA, 1999, Rapid Bioassessment Protocols for Wadeable Streams and Rivers: Periphyton, Benthic Macroinvertebrates, and Fish, 2nd ed, USEPA, EPA 841/B-99-002	Optical Microscope	
11NPSWRD	NPS_KEND 98_3H	Active	Tritium by Liquid Scintillation Counting Technique	Kendall, C. and E.A. Caldwell, 1998, Fundamentals of isotope geochemistry, in Kendall, C. and McDonnell, J. J., eds., Isotope tracers in catchment hydrology, Elsevier Scientific Publishing Company, p. 51-86	Liquid Scintillation Counter	
Description		Water samples were measured for tritium (^3H), the radioactive isotope of hydrogen, using a liquid scintillation counting technique (Kendall and Caldwell, 1998) after pre-concentration by an electrolytic enrichment procedure. Results are reported in pCi/L with accompanying 2 sigma error in pCi/L.				
11NPSWRD	NPS_KEND ALL85_D	Active	Hydrogen Isotopes by Zinc Reducing Agent	Kendall, C. and T. Coplen, 1985, Multisample conversion of water to hydrogen by zinc for stable isotope determination, Analytical Chemistry, Vol. 57, pp. 1437-14	Mass Spectrometer	
Description		The hydrogen isotope ratios were determined by the quantitative conversion of a 10 μL aliquot of the water sample to hydrogen gas using zinc as a reducing agent (Kendall and Coplen, 1985). The water sample is introduced into a glass capsule containing approximately 50 g of zinc shot and then is baked at 435 $^{\circ}\text{C}$ for about 1 h. The glass capsule is then cracked, and the resultant H_2 gas is released directly into a Nuclide 3-60 double collector mass				

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spectrometer. The reproducibility of the delta D values is reported as 1 per mil. All data are reported in the standard delta-notation as a per mil variation from the SMOW (Standard Mean Ocean Water) standard where delta D per mil = {R(sample) - R(SMOW)/R(SMOW)} x1000 and where R = D/H.						
11NPSWRD	NPS_KEST REL4000	Active	Kestrel 4000 Pocket Weather Tracker	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_KL195 4_3H	Active	Analytical Procedure for Tritium	Kaufman, S. and W.F. Libby, 1954, Natural Distribution of Tritium, Physical Review, Vol. 93, p. 1337	Generic method-specific equipment	
	Description	The technique includes three electrolysis steps to enrich the tritium by a factor of 400 to 1000, deuterium analysis to check the enrichment, and Geiger counting using sample hydrogen with argon and ethylene.				
11NPSWRD	NPS_LACH AT	Active	Lachat AutoAnalyzer for Colorimetric Determination of Dissolved Inorganic Nutrients	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	AutoAnalyzer	
11NPSWRD	NPS_LACH AT_8000	Active	Lachat Flow Injection Machine - QuickChem 8000	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_LAMO PH	Active	LaMotte Colorimetric pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_LAMO T4491DR	Active	LaMotte Alkalinity Test Kit 4491-DR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
	Description	LaMotte Alkalinity Test Kit 4491-DR direct reading titrator.				
11NPSWRD	NPS_LAMO T4503DR	Active	LaMotte Chloride Test Kit #4503-DR Model PSC-DR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
	Description	Sample analyzed for Chloride using LaMotte Kit Code #4503-DR Model PSC-DR (Incremental Titration)				
11NPSWRD	NPS_LAMO T4533DR	Active	LaMotte Total Alkalinity Test Kit #4533-DR Model WT-MP-DR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
	Description	Samples analyzed for Total Alkalinity using LaMotte Kit Code #4533-DR Model WT-MP-DR				
11NPSWRD	NPS_LAMO T4824DR	Active	LaMotte Total Hardness/ Calcium Hardness/Magnesium	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	

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			Hardness Kit # 4824-DR-LT Model PHT-CM-DR-LT			
	Description	Samples analyzed for Total Hardness, Calcium Hardness, and Magnesium Hardness using LaMotte Kit Code # 4824-DR-LT Model PHT-CM-DR-LT (Incremental Titration)				
11NPSWRD	NPS_LAMO T7297DR	Active	LaMotte Carbon Dioxide Test Kit #7297-DR Model PCO-DR (Incremental Titration)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
	Description	Samples analyzed for Carbon Dioxide using LaMotte Kit Code #7297-DR Model PCO-DR (Incremental Titration)				
11NPSWRD	NPS_LAMO TTE3119	Active	LaMotte Phosphate/Nitrate Test Kit #3119 Model NPL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
	Description	Sample analyzed for Phosphate and Nitrate as NO3 using LaMotte Kit Code #3119 Model NPL				
11NPSWRD	NPS_LAMO TTE4456	Active	LaMotte Sulfide Test Kit #4456 PSI	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
	Description	Sample analyzed for Sulfide using LaMotte Kit Code #4456 Model PSI				
11NPSWRD	NPS_LAMO TTE4463	Active	LaMotte Silica Test Kit #4463 Model PSI	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
	Description	Sample analyzed for Silica using LaMotte Kit Code #4463 Model PSI				
11NPSWRD	NPS_LAMO TTE4795	Active	LaMotte Ammonia Test Kit #4795 Model PAN (Colorimetric)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
	Description	Samples analyzed for Ammonia using LaMotte Kit Code #4795 Model PAN (Colorimetric)				
11NPSWRD	NPS_LAMO TTE7414	Active	LaMotte Dissolved Oxygen Test Kit #7414 Model EDO	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
	Description	Samples analyzed for Dissolved Oxygen using LaMotte Kit Code #7414 Model EDO				
11NPSWRD	NPS_LAM_ DHA3000	Active	LaMotte DHA-3000 Digital pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
11NPSWRD	NPS_LAM_	Active	LaMotte Smart Colorimeter	Unknown, 19--, No Cite - Method Not Cited,	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	SC26617		#26617	Unknown, Vol --		
	Description LaMotte Smart Colorimeter #26617 used to analyze water sample.					
11NPSWRD	NPS_LAM_SMARTC2	Active	LaMotte Smart 2 Colorimeter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Colorimeter	
11NPSWRD	NPS_LAWR 130TUBE	Active	Water Clarity (transparency) by 130cm Lawrence Enterprises Transparency Tube	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description Water clarity (transparency) was determined with a 130-cm transparency tube which had a zSecchi design in the bottom. The tube was manufactured by Lawrence Enterprises.					
11NPSWRD	NPS_LEGACY	Active	LEGACY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_LICO R1800UW	Active	LI-COR Scanning Radiometer Model LI-1800UW	Li-Cor Inc.; Lincoln, NE, 1991, LI-1800 Portable Spectroradiometer Instruction Manual, Publication No. 8210-0030, Li-Cor Inc., 149pp.	Handheld Light Meter, Probe with on Deck Display	
	Description A LI-COR portable scanning radiometer (model LI-1800uw) was used for the measurements of UVR irradiance and attenuation. The LI-1800 is a completely self contained, battery-operated, microprocessor-controlled spectroradiometer for rapid acquisition of spectroradiometric, radiometric, and photometric data. Scan limits are 300 to 850 nm (optional 1100 nm), with selectable scan intervals of 1, 2, 5, or 10 nm. Approximately 600 scans from 350 to 850 nm with 2-nm step size fills the memory. The data reduction software includes routines for the conversion to quantum (photon flux) units, photosynthetically active radiation, illuminance, linear combinations of files, and ratios and products of files. LI-COR post-collection software also provides immersion corrections to maintain accuracy both above and below the water surface.					
11NPSWRD	NPS_LORE NZEN	Active	Chlorophyll a Using an Acetone Extract	Lorenzen, C.J., 1966, A Method for Continuous Measurement of In Vivo Chlorophyll Concentration, Deep-Sea Research, 13:223-227		
	Description The water samples were filtered through a Whatman GFF filter. The filter was ground up and extracted with acetone. The chlorophyll levels in the acetone extract were then measured on a spectrophotometer as per Lorenzen (1966).					
11NPSWRD	NPS_LSC_TRITIUM	Active	Tritium with Liquid Scintillation Counter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Liquid Scintillation Counter	
	Description The sample analysis was determined by a liquid scintillation counter which records beta decay in disintegrations per unit time.					
11NPSWRD	NPS_MARS	Active	Marsh-McBirney Current	Unknown, 19--, No Cite - Method Not Cited,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	HMCBIRN		Meter	Unknown, Vol --		
Description	Field equipment used for measuring current velocity.					
11NPSWRD	NPS_MAR_201_FLO	Active	Marsh McBirney Model 201 Electromagnetic Flowmeter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
11NPSWRD	NPS_MAR_FLO2000	Active	Marsh-McBirney Flo-Mate Model 2000 Portable Flowmeter	NPS_MMCB_FLO - Marsh-McBirney, Inc., December 1990, Marsh-McBirney, Inc. FLO-MATE Model 2000 Portable Flowmeter Instruction Manual, Marsh-McBirney, Inc., 45p Document/Graphic		
11NPSWRD	NPS_METE_RUNKN	Active	Portable Meter or Probe (Unknown Model)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	Data were collected on site using a portable hand-held meter of unknown make and model.					
11NPSWRD	NPS_MYRO_N532T2	Active	Myron L Company Model 532T2 DS Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_NURE_LA1	Active	Los Alamos Delayed-Neutron Counting Analysis of Sediments for Uranium	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4		
Description	The procedure used was the Los Alamos Scientific Laboratory, Delayed-Neutron Counting Analysis of sediments for Uranium. The analysis was performed for samples collected during the National Uranium Resource Evaluation.					
11NPSWRD	NPS_NURE_LA2	Active	Los Alamos Procedure LA2, Energy Dispersive X-Ray Fluorescence Analysis of Sediments, Selected Parameters	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4		
Description	The procedure used was the Los Alamos Scientific Laboratory, Energy Dispersive X-Ray Fluorescence Analysis of sediments for Ag, Bi, Cd, Cu, Nb, Ni, Pb, Sn, and W. The analysis was performed for samples collected during the National Uranium Resource Evaluation.					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	NPS_NURE_LA3	Active	Los Alamos Procedure LA3, Energy Dispersive X-Ray Fluorescence Analysis of Sediments, Selected Parameters	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4		
Description The procedure used was the Los Alamos Scientific Laboratory, Energy Dispersive X-Ray Fluorescence Analysis of sediments for Ag, As, Bi, Cd, Cu, Nb, Ni, Pb, Se, Sn, W, and Zr (NOTE: Some LA3 analyses may include Mo - Noted only in Special Studies.) The analysis was performed for samples collected during the National Uranium Resource Evaluation.						
11NPSWRD	NPS_NURE_LA4	Active	Los Alamos Arc-Source Emission Spectrography Analysis of Sediments for Be and Li	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4	Emission Spectrophotometer	
Description The procedure used was the Los Alamos Scientific Laboratory, Arc-Source Emission Spectrography Analysis of sediments for Beryllium and Lithium. The analysis was performed for samples collected during the National Uranium Resource Evaluation.						
11NPSWRD	NPS_NURE_LA5	Active	Los Alamos Neutron Activation Analysis of Sediments for Selected parameters	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4		
Description The procedure used was the Los Alamos Scientific Laboratory, Neutron Activation Analysis of sediments for Al, Au, Ba, Ca, Ce, Cl, Co, Cr, Cs, Dy, Eu, Fe, Hf, K, La, Lu, Mg, Mn, Na, Rb, Sb, Sc, Sm, Sr, Ta, Tb, Th, Ti, V, Yb, and Zn. The analysis was performed for samples collected during the National Uranium Resource Evaluation.						
11NPSWRD	NPS_NURE_LA6-DN	Active	Los Alamos Delayed-Neutron Counting Analysis of Waters for Uranium	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description The procedure used was the Los Alamos Scientific Laboratory, Delayed-Neutron Counting Analysis of waters for Uranium. The analysis was performed for samples collected during the National Uranium Resource Evaluation.						
11NPSWRD	NPS_NURE_LA6-FL	Active	Los Alamos Fluorometry Analysis of Waters for Uranium	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4	Fluorometer	
Description The procedure used was the Los Alamos Scientific Laboratory, Fluorometry Analysis of waters for Uranium. The analysis was performed for samples collected during the National Uranium Resource Evaluation.						
11NPSWRD	NPS_NURE_LA7	Active	Los Alamos Plasma-Source Emission Spectrography Analysis of Waters for Selected Parameters	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4	Emission Spectrophotometer	
Description The procedure used was the Los Alamos Scientific Laboratory, Plasma-Source Emission Spectrography Analysis of waters for Ca, Co, Cr, Cu, Fe, Mg, Mn, Mo, Ni, Pb, Ti, and Zn. The analysis was performed for samples collected during the National Uranium Resource Evaluation.						
11NPSWRD	NPS_NURE_LAF	Active	Los Alamos Field Meters for Alaska NURE Monitoring	Sharp, Robert R. and Paul L. Aamodt, 1978, Field Procedures for Uranium Hydrogeochemical and Stream Sediment Reconnaissance as used by the Los Alamos Scientific Laboratory, Los Alamos Scientific Laboratory, 69 pp.	Probe	
Description Los Alamos Scientific Laboratory distributed two types of meters to its contractors to monitor water quality during the National Uranium Resource Evaluation in Alaska. The NURE database does not specify which of the two meters, a Martek Mark V water analyzer and probe or a Horiba water checker and probe, was used at individual field activities.						
11NPSWRD	NPS_NURE_LAPHF	Active	Los Alamos pH Field Measurements	Sharp, Robert R. and Paul L. Aamodt, 1978, Field Procedures for Uranium Hydrogeochemical and Stream Sediment Reconnaissance as used by the Los Alamos Scientific Laboratory, Los Alamos Scientific Laboratory, 69 pp.	pH meter	
Description Los Alamos Scientific Laboratory distributed two types of pH meters to be used for pH measurements at sites in the conterminous states for which LASL was responsible for field measurements and sample collections. The NURE database does not specify which of the two meters, a Kernco Ph Meter or						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Corning Model 3 Meter, was used at individual field activities. The LASL field manual states that when the pH of water is measured, the water should be as close to its natural (uncontaminated) condition as is reasonable. If sampling stream or pond water, try to measure its pH directly in the water at the site. Given this information pH measurements from pond, stream, and, assumedly, spring sources are being reported to STORET as field measurements/observations.		
11NPSWRD	NPS_NURE_LASCS	Active	Los Alamos Procedure to Determine Specific Conductance Values in the Field from Samples	Sharp, Robert R. and Paul L. Aamodt, 1978, Field Procedures for Uranium Hydrogeochemical and Stream Sediment Reconnaissance as used by the Los Alamos Scientific Laboratory, Los Alamos Scientific Laboratory, 69 pp.	Conductivity Meter	
	Description Los Alamos Scientific Laboratory provided a Myron L Conductivity Meter to measure the conductivity of a water sample. LASL instructions state to first rinse the built-in white plastic cup three times with sample water. Then fill the cup with the sample water and press the READ button on the front of the meter. The meter needle will indicate the specific conductance in umho/cm, corrected automatically to a reference temperature of 25 degrees C. The range extender is a small, plastic accessory that is inserted into the sample cup to increase the scale range by a factor of 10 (to a maximum of 50 000 umho/cm). It is used whenever the reading is off-scale on the 1000 range (more than 5000 umho/cm).					
11NPSWRD	NPS_NURE_LATEMP	Active	Los Alamos Temperature Field Measurements	Sharp, Robert R. and Paul L. Aamodt, 1978, Field Procedures for Uranium Hydrogeochemical and Stream Sediment Reconnaissance as used by the Los Alamos Scientific Laboratory, Los Alamos Scientific Laboratory, 69 pp.	Thermometer	
	Description Los Alamos Scientific Laboratory provided two thermometers to be used for water and air temperatures at sites in the conterminous states for which LASL was responsible for field measurements and sample collections. LASL instructions said to hang one of the thermometers in the shade and immerse the second thermometer in the source water downstream from the water collection point. Field crew were suppose to allow several minutes for both thermometers to equilibrate before reading them. Furthermore, the thermometer was to be quickly read after removing it from the water. The thermometer measuring air temperature should have been adequately ventilated and shaded and protected from heat sources, including body heat, when a reading was taken.					
11NPSWRD	NPS_NURE_OR13	Active	Oak Ridge Emission Spectrochemical Analysis of Waters for Selected Parameters	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4	Spectrophotometer	
	Description The procedure used was the Oak Ridge National Laboratory Emission Spectrochemical Analysis of Waters for Ag, Al, B, Ba, Be, Ca, Ce, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Sc, Si, Sr, Ti, V, Y, Zn, and Zr. (Note: Nb and Th are often included in this method).					
11NPSWRD	NPS_NURE_OR2	Active	Oak Ridge Neutron Activation Analysis - Neutron	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Counting of Sediments for Uranium	Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4		
Description The procedure used was the Oak Ridge National Laboratory Neutron Counting Analysis of sediments for Uranium. The analysis was performed for samples collected during the National Uranium Resource Evaluation.						
11NPSWRD	NPS_NURE_OR7	Active	Oak Ridge Emission Spectrochemical Analysis of Sediments for Selected Parameters	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4		
Description The procedure used was the Oak Ridge National Laboratory Emission Spectrochemical Analysis of Sediments for Ag, Al, B, Ba, Be, Ca, Ce, Co, Cr, Cu, Fe, Hf, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Sc, Sr, Th, Ti, V, Y, Zn, and Zr.						
11NPSWRD	NPS_NURE_OR9-FL	Active	Oak Ridge Fluorescence Spectroscopy Analysis of Waters for Uranium	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4	Fluorometer	
Description The procedure used was the Oak Ridge National Laboratory Fluorescence Spectroscopy Analysis of Waters for Uranium. The analysis was performed for samples collected during the National Uranium Resource Evaluation.						
11NPSWRD	NPS_NURE_OR9-MS	Active	Oak Ridge Mass Spectrometry Analysis of Waters for Uranium	Smith, Steven M., 2006, National Geochemical Database: Reformatted Data from the National Uranium Resource Evaluation (NURE) Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program, OFR 97-492, Online Version 1.4 (2006), USGS, Online Version1.4	Mass Spectrometer	
Description The procedure used was the Oak Ridge National Laboratory Mass Spectrometry Analysis of Waters for Uranium. The analysis was performed for samples collected during the National Uranium Resource Evaluation.						
11NPSWRD	NPS_NZ_T	Active	Water Temperature by Deep	Unknown, 19--, No Cite - Method Not Cited,	Thermometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	EMP		Sea Negretti-Zambra Thermometer	Unknown, Vol --		
Description Temperature was determined with a deep sea Negretti-Zambra thermometer attached to a calibrated sample line. The thermometer's model number is unknown.						
11NPSWRD	NPS_OAKP HTESTR3	Active	Oakton pHTestr3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
11NPSWRD	NPS_OAKT ON	Active	Portable Oakton Probe, unknown model or instrument number	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
Description Data were collected using a portable hand held Oakton instrument.						
11NPSWRD	NPS_OAKT ON_PH2	Active	Oakton pHTestr 2	Oakton Instruments, Unknown, Oakton Waterproof pHTestr 1 & 2 Instructions, Oakton Instruments, 1 page	pH meter	
Description pH was determined with a Oakton pHTestr 2. The manufacturer lists the instrument's measurement ranges as -1 to +15 Standard Units for pH.						
11NPSWRD	NPS_OME GA_871	Active	Temperature by Omega Engineering Model 871 Thermocouple Thermometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Thermometer	
Description Temperatures were measured using an Omega Engineering Model 871 thermocouple thermometer.						
11NPSWRD	NPS_OPTI MA4300	Active	Inductively Coupled Plasma-Optical Emission Spectroscopy - Optima 4300 DV	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Inductively Coupled Plasma-Optical Emission Spectroscopy Model Optima 4300 DV						
11NPSWRD	NPS_ORIO N_105	Active	Orion Model 105	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Meter	
11NPSWRD	NPS_ORIO N_122	Active	Orion Model 122 Temperature-Compensated Specific Conductance Meter	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6	Conductivity Meter	

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11NPSWRD	NPS_ORIO N_126	Active	Orion Model 126 Conductivity Meter	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6	Conductivity Meter	
11NPSWRD	NPS_ORIO N_210A	Active	Orion Model 210A pH Meter	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6	pH meter	
11NPSWRD	NPS_ORIO N_250A	Active	Orion Model 250A pH Meter and Orion pH Triode	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6	pH meter	
11NPSWRD	NPS_ORIO N_710A	Active	Orion 710A pH/ISE Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
11NPSWRD	NPS_ORIO N_PH	Active	pH Determined by Unknown Model of Portable Orion pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
Description The pH was measured with a portable Orion meter.						
11NPSWRD	NPS_PE330 0DV	Active	Major Constituents by Inductively Coupled Plasma-Atomic Emission Spectrometry, J.R. Garbarino, 1979	GARB1979AS - Garbarino, J.R. and H.E. Taylor, 1979, An inductively coupled plasma atomic emission spectrometric method for routine water quality testing, Applied Spectroscopy, vol 33 no. 3 p. 220	Inductively Coupled Plasma Spectrophotometer	
Description Elements present at concentration levels in the milligram per liter range, including calcium, magnesium, potassium, sodium, and silica, were determined in triplicate by inductively coupled plasma-atomic emission spectrometry (ICP-AES) utilizing a Perkin Elmer Optima 3300DV multichannel emission spectrometer. A general description of the analysis conditions and procedures are reported by Garbarino and Taylor (1979).						
11NPSWRD	NPS_PER_	Active	Perstorp In-situ Multi-	Unknown, 19--, No Cite - Method Not Cited,	Probe	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	MPP		parameter Probe	Unknown, Vol --		
Description A Perstorp in-situ multi-parameter probe was used to determine measurements.						
11NPSWRD	NPS_PRIC ETYPEAA	Active	Discharge Determined with Price Type AA Pygmy Meter	USGS00000005 - Buchanan, T.J. and W.P. Somers, 1969, Discharge measurements at gaging stations; Techniques of Water-Resources Investigations of the United States Geological Survey, Book 3, Chapter A8, U.S. Geological Survey, 65p	Flow Rate Measurement Device	
Description Flow velocity was measured with a Price Pygmy Type AA current meter and discharge was calculated based on stream dimensions.						
11NPSWRD	NPS_PYGM Y_FLOW	Active	Discharge Determined with Pygmy Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
Description Flow velocity was determined with an unknown pygmy meter and discharge determined from the measurement. Other procedure details are unknown.						
11NPSWRD	NPS_ROB1 930_OP	Active	Organic Phosphorus Method of Robinson and Kemmerer	Robinson, Rex J. and George Kemmerer., 1930, Determination Of Organic Phosphorous In Lake Waters, Trans. Wis. Acad. Sci., Arts and Let., 25: 117-121		
Description Organic phosphorus was determined by the method of Robinson and Kemmerer (1930).						
11NPSWRD	NPS_ROTH 94_MERC	Active	Mercury by Automated Cold-Vapor Atomic Fluorescence Spectrometry	ROTH1994DISS - Roth, D.A., 1994, Ultratrace analysis of mercury and its distribution in some natural waters in the United States, Colorado State University, Department of Chemistry, Unknown	Spectrophotometer	
Description Trace concentrations of dissolved mercury were measured in triplicate using an automated cold-vapor atomic fluorescence spectrometric method and a PS Analytical Millennium System mercury analyzer.						
11NPSWRD	NPS_SBE1 9_C-T-D	Active	Sea-Bird Model SBE19 Conductivity, Temperature, and Depth Profiler	Sea-Bird Electronics, Inc, Various, SBE 19 SEACAT Profiler CTD User's Manual, Sea-Bird Electronics, Inc, Various	Seabird CTD Profiler	
Description A Sea Bird model SBE19 CTD probe was employed to measure conductivity, temperature and depth. The manufacturer lists the instrument's measurement ranges at its website as -5 to +35 Deg C for Temperature and 0 to 7 S/m for Conductivity.						
11NPSWRD	NPS_SECC	Active	Secchi Disk Depth with a	Unknown, 19--, No Cite - Method Not Cited,	Secchi Disk with	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	HI100CM		100 cm Diameter Disk	Unknown, Vol --	Calibrated Tether	
	Description A 100 cm diameter disk was used to determine secchi disk depth.					
11NPSWRD	NPS_SECC HI20CM	Active	Secchi Disk Depth with a 20 cm Diameter Disk	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Secchi Disk with Calibrated Tether	
	Description A 20 cm diameter disk was used to determine secchi disk depth.					
11NPSWRD	NPS_SECC HIDISK	Active	Secchi Disk Depth Readings-Unspecified Details	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Secchi Disk with Calibrated Tether	
	Description Secchi depth measured using a secchi disk of unknown design or manufacturer.					
11NPSWRD	NPS_SECC HI_12	Active	Secchi Disk Depth 12 cm Disk	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Secchi Disk with Calibrated Tether	
	Description A 12 cm diameter disk was lowered and depth was measured on calibrated tether.					
11NPSWRD	NPS_SEY1 894_CO2	Active	Carbon Dioxide by Seyler Method	Seyler, C.A., 1894, Notes On Water Analysis, Chemical News, 70: 82-83		
	Description Carbon dioxide values were determined using the Seyler Method (1894).					
11NPSWRD	NPS_SHMA K_TRAN	Active	Water Clarity (Transparency) Measured with a SHMAK Horizontal Clarity Tube	Kilroy, C. and B.J.F. Biggs, 2002, Use of the SHMAK clarity tube for measuring water clarity: Comparison with the black disk method, New Zealand Journal of Marine and Freshwater Research, 36: 519-527		
	Description The New Zealand Stream Health Monitoring and Assessment Kit (SHMAK) clarity tube is a 1-m long, 50-mm external- diameter tube made of 3-mm-thick clear polymethyl methacrylate (acrylic). A clear acrylic disk closing one end of the tube serves as a viewing window. An extra ring of acrylic on the outside of the window helps to protect the window from damage. The other end of the tube is closed by a black rubber cap that forms the background against which the target is viewed. A scale (in centimeters) is marked along the outside of the tube, starting at the window end. The viewing target is a matt black semicircle 20 mm in diameter mounted on an aquarium tank magnet, which can be moved inside the tube using a matching magnet. To take readings, the tube is completely filled with the water whose clarity is to be measured. The magnet with black target is positioned inside and the tube is held horizontally with the end cap in place. With the viewer's eye close to the viewing window, the target is moved away until it just disappears and then moved forward again until it just reappears. Visibility is recorded as the average between the disappearance and reappearance distances. The SHMAK monitoring protocol specifies that a mean be taken of three readings on the same sample to ensure a reliable reading and to reduce the chance of recording rogue readings caused, for example, by shadows. It is also suggested that a second person should repeat the readings. The tube should be agitated gently between each reading to ensure that any sediment stays in suspension.					
11NPSWRD	NPS_SLTS	Active	Discharge Determined by	Unknown, 19--, No Cite - Method Not Cited,	Calculated	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	PK_FLOW		NaCl Salt Spiking	Unknown, Vol --		
Description	Discharge was determined by NaCl salt spiking.					
11NPSWRD	NPS_SM14_403_4A	Active	Alkalinity by Standard Methods 14th Edition Method 403, Procedure 4A	APHA_SM_14V - American Public Health Association, 1975, Standard Methods for the Examination of Water and Wastewater, 14th Edition, American Public Health Association, 14th Edition	Glass Buret	
Description	Alkalinity was determined by following Standard Methods 14th Edition Method 403, Procedure 4A.					
11NPSWRD	NPS_SM14_WINKDO	Active	Dissolved Oxygen Winkler Method-Standard Methods 14th Edition	APHA_SM_14V - American Public Health Association, 1975, Standard Methods for the Examination of Water and Wastewater, 14th Edition, American Public Health Association, 14th Edition	Titration Apparatus	
Description	Dissolved Oxygen was determined by the Winkler Method as described in Standard Methods 14th Edition, 1975.					
11NPSWRD	NPS_SM15_303A	Active	SM 15th Ed Method 303A Flame Atomic Absorption Spectroscopy	APHA_SM_15V - American Public Health Association, 1980, Standard Methods for the Examination of Water and Wastewater, 15th Edition, American Public Health Association, 15th Edition	Flame Atomic Absorption Spectrophotometer	
Description	Parameters were determined following Standard Methods 15th Edition, Method 303A Flame Atomic Absorption.					
11NPSWRD	NPS_SM403_ALK	Active	Standard Methods 403 Alkalinity	APHA_SM_16V - American Public Health Association, 1985, Standard Methods for the Examination of Water and Wastewater, 16th Edition, APHA, 16th Edition	Titration Apparatus	
Description	Alkalinity was determined following Standard Methods for the Examination of Water and Wastewater 16th edition, Method 403.					
11NPSWRD	NPS_SM424F_PHOS	Active	Standard Methods 424F Phosphate	APHA_SM_16V - American Public Health Association, 1985, Standard Methods for the Examination of Water and Wastewater, 16th Edition, APHA, 16th Edition		
Description	Phosphate was determined following Standard Methods for the Examination of Water and Wastewater Method 424F.					
11NPSWRD	NPS_SM703_AB	Active	Standard Methods 703 Gross Alpha Beta	APHA_SM_16V - American Public Health Association, 1985, Standard Methods for the		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Examination of Water and Wastewater, 16th Edition, APHA, 16th Edition		
	Description	Gross Alpha and Gross Beta Radio Activity were determined following Standard Methods for the Examination of Water and Wastewater Method 703. The year of publication and volume number of the Standard Methods for the Examination of Water and Wastewater are unknown, though the version is probably from the 1985 16th edition.				
11NPSWRD	NPS_SM705_RA226	Active	Standard Methods 705 Radium 226	APHA_SM_16V - American Public Health Association, 1985, Standard Methods for the Examination of Water and Wastewater, 16th Edition, APHA, 16th Edition	Liquid Scintillation Counter	
	Description	Radium 226 was determined following Standard Methods for the Examination of Water and Wastewater Method 705. v				
11NPSWRD	NPS_SPRI_NGFLOW	Active	Spring flow measurements using sample container and stopwatch	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_STD_RAIN	Active	Precipitation by Standard Rain Gauge	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic method-specific equipment	
	Description	Precipitation was measured by a standard rain gauge. Further details about the gauge are unknown.				
11NPSWRD	NPS_SUM_TDS	Active	Total Dissolved Solids By Summation Of Constituents	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Calculated	
	Description	Total Dissolved Solids values represent summation of concentrations of individual constituents in the sample.				
11NPSWRD	NPS_SWOF_2100	Active	Swoffer Instruments Model 2100 Series Current Velocity Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_SWOF_3000	Active	Swoffer Model 3000 Flowmeter	Swoffer Instruments, Inc, 2008, Model 3000 Datalogging Current Meter, Flowmeter Product Description Sheet, Swoffer Instruments, Inc, 2 pp.	Flow Rate Measurement Device	
	Description	The manufacturer's description states that the Swoffer sensor contains multiple bundles of fiber-optics, assembled into a propeller-driven rotor, to gate a beam of infrared light from a photo diode to a photo-sensitive transistor. The rate of rotation of the propeller rotor is directly proportional to water speed. Pulses produced by the photo transistor over a given time are also directly proportional to water velocity.				
11NPSWRD	NPS_TAPE_STRWDT	Active	Stream Width by Tape Measurement	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Measuring Ruler/Tape	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description		Stream width determined by tape measurement.				
11NPSWRD	NPS_TURN 40-100	Active	Turner Model 40-100 Nephelometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Nephelometer	
11NPSWRD	NPS_TYRO SIN8193	Active	Tyrosine Method 8193	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Spectrophotometer	
11NPSWRD	NPS_USGS -PYGMY	Active	USGS Flow Measurement with Pygmy Current Meter #229262	GRBA_0000003 - Schenk, G., N. Darby, and B. Hamilton, 2003, Aquatic Resources Protocols Manual, Great Basin National Park, Great Basin National Park, 76 pp Document/Graphic	Flow Rate Measurement Device	
Description		A pygmy or AA meter is used according to USGS protocols. The stream is divided into at least 20 sections (if practicable; a 0.3 ft distance between measurements is required for pygmy meters and 0.5 ft for AA meters, and some streams aren't wide enough to contain 20 sections). The water velocity is measured 6/10 of the way below the water surface. Depth, width, and water velocity are measured for each section and summed up to calculate the discharge for the entire stream.				
11NPSWRD	NPS_VALD ERRAMA	Active	Simultaneous Analysis of Total Nitrogen and Total Phosphorus in Natural Waters	Valderrama, J.C., 1981, The Simultaneous Analysis of Total Nitrogen and Total Phosphorus in Natural Waters, Marine Chemistry, 10:109-122		
11NPSWRD	NPS_VEL_FLOW	Active	Discharge Determined with Velocity Measurement	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
Description		Flow velocity was measured with an unknown device and discharge was calculated based on stream dimensions.				
11NPSWRD	NPS_VISUAL_FLOW	Active	Discharge Visual Determination	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Human Eye	
Description		Flow was determined visually.				
11NPSWRD	NPS_VNOTCH	Active	Discharge Determined by V-Notch Weir Plate	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow determining weir.	
Description		The head of the water was read and the discharge was calculated based on the head.				
11NPSWRD	NPS_VOLUME_FLOW	Active	Discharge Determined Volumetrically	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	

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Description Discharge was determined volumetrically. Other procedure details are unknown.						
11NPSWRD	NPS_WHT M_CDM300	Active	Specific Conductance by Whatman CDM 300 Digital Conductivity Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Meter	
Description Specific conductance was measured using a Whatman CDM 300 digital conductivity meter.						
11NPSWRD	NPS_WINK 1888_DO	Active	Dissolved Oxygen (DO) by Winkler Method	Winkler, L.W., 1888, Die Bestimmung Des Im Wasser Gelosten Sauerstoffers., Berichte deut. Chem. Gesellschaft, 21: 2843-2854	Titration Apparatus	
Description Dissolved oxygen was determined by the Winkler method (1888).						
11NPSWRD	NPS_YSI23 200_SC	Active	Specific Conductance YSI Model 23200-009 Conductivity Bridge	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Bridge	
Description Specific conductance was determined using a YSI Model 23200-009 conductivity bridge.						
11NPSWRD	NPS_YSI30 _S-C-T	Active	YSI Model 30 Conductivity, Salinity and Temperature Instrument	YSI Incorporated, 1998-2007, YSI Model 30 and YSI Model 30M Handheld Salinity, Conductivity and Temperature System Operations Manual, YSI Incorporated, 52 pages	YSI Multi Probe Handheld Instrument	
Description Conductivity, Salinity and Temperature were determined with a YSI 30 meter. The manufacturer lists the instrument's measurement ranges as 0.1 to 200 umho/cm for Specific Conductance, 0.1 to 80 ppt for Salinity, and -5 to +95 Deg C for Temperature.						
11NPSWRD	NPS_YSI33 S-C-T	Active	YSI Model 33 Salinity-Conductivity-Temperature Meter	YSI 33 - YSI Incorporated, August 1989, YSI Model 33 S-C-T Meter Instructions, YSI Incorporated, None	YSI Multi Probe Handheld Instrument	
11NPSWRD	NPS_YSI38 00	Active	YSI Model 3800 Multi-Parameter Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	YSI Multi Probe Handheld Instrument	
Description Conductivity Range: 0 to 100 mS/cm Resolution: 2 uS/cm between 0 and 2 mS/cm; 10 uS/cm between 2 & 20 mS/cm; 50 uS/cm between 20 & 100 mS/cm Accuracy: +/- 3% between 0 & 20 mS/cm; +/- 4% between 20 & 100 mS/cm Dissolved Oxygen						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	Range: 0-20 mg/l Resolution: 0.01 mg/l Accuracy: +/- 0.03 mg/l pH Range: 0 to 14 pH Resolution: 0.01 pH Accuracy - Total: +/- 0.04 pH when calibrated with the recommended YSI buffer solutions Temperature Range: -5 to 50C Resolution: 0.1C Accuracy: +/- 0.4C					
11NPSWRD	NPS_YSI43 TD	Active	YSI Model 43TD Tele-Thermistor	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
Description Measurements were collected with a YSI tele-thermistor, Model 43TD.						
11NPSWRD	NPS_YSI50 B	Active	YSI Portable Dissolved Oxygen Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_YSI51 8	Active	YSI Model 518	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_YSI51 B	Active	YSI Model 51B DO Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_YSI55	Active	YSI Model 55 DO Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	APHA/4500-O-C
11NPSWRD	NPS_YSI55 6MPS	Active	YSI Model 556 Multiprobe System	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	YSI Multi Probe Handheld Instrument	
Description Conductivity						
Sensor Type: 4-electrode cell with autoranging Range: 0 to 200 mS/cm Accuracy: +/- 1% of reading or +/- 0.001 mS/cm, whichever is greater						

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11NPSWRD	NPS_YSI95	Active	YSI Model 95 Handheld Dissolved Oxygen and Temperature System	YSI Incorporated, 1998, YSI Model 95 Handheld Dissolved Oxygen And Temperature System Operations Manual, YSI Incorporated, 36 pages	YSI Multi Probe Handheld Instrument	
Description YSI Model 95 Handheld Dissolved Oxygen and Temperature System. The manufacturer lists the instrument's measurement ranges as -5 to +45 Deg C for Temperature and 0.01 to 50 mg/l for Dissolved Oxygen.						
11NPSWRD	NPS_YSID OUNKNOW	Active	YSI Unknown Model DO Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
11NPSWRD	NPS_YSI_3 403	Active	YSI 3403 Conductivity Cell	YSI 3403 - YSI Incorporated, October 1988, Instruction Manual YSI Model 32 Conductance Meter, YSI Incorporated, Page 8	Probe	
Description Conductivity Cell (probe) is attached to unknown YSI Conductivity Meter						
11NPSWRD	NPS_YSI_5 0B	Active	YSI Model 50B Dissolved Oxygen Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_YSI_5 50	Active	YSI 550 Dissolved Oxygen Meter	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6		
11NPSWRD	NPS_YSI_T EMPUNK	Active	YSI Temperature Sensor - Model Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
Description Unknown YSI Water Temperature Sensor						
11NPSWRD	NPS_YSI_U NKN	Active	Portable YSI Meter- Unknown Model	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	YSI Multi Probe Handheld Instrument	
Description Data were collected using a portable YSI meter of unknown model.						
11NPSWRD	OZAR_CHL A	Active	Chlorophyll a - Corrected for pheophytin, by Fluorometer	OZAR_0000008 - Sartory, D.P. and J.U. Grobbelaar, 1986, Extraction of Chlorophyll-a from freshwater phytoplankton for spectrophotometric analysis, Hydrobiologia, 114:117-187	Fluorometer	APHA/10200-H
Description Lab analysis for Suspended Chlorophyll a - Analyzed fluorometrically on samples extracted in 95% ethanol heated to 72 degrees C. Determined µg/L						

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				concentration for each of the two 500 ml sub samples. UMC Lab used a Turner Designs TD 700 Fluorometer for sample analysis. Perkins Lab used a Barnstead/Thermoline Quantech Fluorometer for sample analysis. The mechanical method used with the above procedure is found in: Knowlton, M.F. 1984. Flow-through microcuvette for fluorometric determination of chlorophyll. Wat. Res. Bull. 20:1198-1205.		
11NPSWRD	OZAR_FS	Active	Fecal Streptococcus by Membrane Filter	OZAR_0000002 - Difco Laboratories, 1998, Difco Manual 11th Edition, 1998, Difco Laboratories; Sparks, Maryland, 862 pp	Optical Microscope	APHA/9230-C
	Description		Membrane filtration of 20mL samples, sample within detectable limits of 20-60 colonies per 100mL was used, KF (agar), 35.0 degrees C water bath for 48 hrs.			
11NPSWRD	OZAR_HAC H2100P	Active	HACH 2100P Turbidity Meter	OZAR_0000007 - Hach Company, February 1995, HACH Model 2100P Portable Turbidimeter Instruction Manual, Revision 2, Hach Company, Unknown	Turbidimeter	APHA/2130
	Description		1.All sample bottles should be shaken vigorously before examination. 2.Rinse sample cell three times and fill to line from 500ml sample bottle. Ensure no air bubbles or condensation is present on the outside of the sample cell prior to taking a turbidity reading. Dirty glassware, the presence of air bubbles and the effects of vibrations that disturb the surface visibility of the sample will lead to false results. 3.Clean the outside of the sample cell. Turbidity vials can be handled by the cap of the vial, the portion of the vials that will not be in the area of meter detection. Examine the vials for cleanliness by holding them before a light. Vials can be cleaned by wiping the sides and bottom first with alcohol using a Kimwipe and then with a light coating of silicone using a lint-free cloth. 4.Turn on the meter by pressing ON button and place sample cell in holder -arrow (front) facing forward to mark on meter. Close lid. 5.Press READ button, when No.¿s stop flashing record turbidity. (see table 4 for expected reading range) 6.Remove sample cell and check for condensation or air bubbles. If sample cell looks ¿bad¿ wipe or invert sample cell to remove condensation or air bubbles and recheck reading 7.Sample may be mixed again and second reading taken for correlation.			
11NPSWRD	OZAR_HAC H44600	Active	HACH 44600 Meter Specific Conductance	OZAR_0000006 - Hach Company, 1989, Model 44600 Conductivity/TDS Meter Manual, Hach Company, 25 pages	Probe	APHA/2510
	Description		Measurement taken by immersing probe in sample bottle and waiting for stable reading. Result is adjusted to 25 degrees C.			
11NPSWRD	OZAR_HAC HALK	Active	Alkalinity by HACH Model 16900-01 Digital Titrator	OZAR_0000004 - Hach Company, September 1993, HACH Model 16900-01 Digital Titrator Instruction Manual, Hach Company, Unknown	Titration Apparatus	APHA/2320
	Description		Alkalinity refers to the capacity of water to neutralize acids. The presence of carbonates, bicarbonates and hydroxides is the most common cause of			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				alkalinity in natural waters. Alkalinity is determined by titration with HACH Sulfuric Acid Solution (H2SO4), 1.600N, to an endpoint of pH 4.5 at a sample temperature of 25 ±5 °C. The total alkalinity includes all carbonate, bicarbonate, and hydroxide alkalinity. 1. Use water from the 500 ml Nalgene sample bottles. This test should be done within 24 hours of sample collection. 2. Calibrate Orion model 720A Bench top pH/ISE meter to two pH buffer standards of 4.01 pH and 7.0 pH before titrating (see instrument calibration section, page 17). 3. Clamp the digital titrator to the burette stand. Attach the cartridge of 1.6N Sulfuric Acid Solution to the HACH digital titrator body and insert a clean delivery tube into the titration cartridge. Slide the titrator plunger into the body of the cartridge just until it contacts the cartridge's plunger. 4. Turn the delivery knob to clear all air bubbles from the delivery tube and eject a few drops of titrate onto a disposable towel. Caution: The titrate is an acid. Wear safety goggles during this procedure and avoid coming into contact with the acid. 5. Reset the counter to zero before beginning titration. 6. Shake each sample bottle. Use a clean graduated cylinder to measure a 100 ml water sample and transfer into the appropriately labeled 250 ml beaker. Rinse the graduated cylinder with distilled water a minimum of three times between each sample. Place the beaker in the water bath until the sample reaches 25O C. 7. Insert a stir bar into the beaker, place the beaker on the electronic stirrer, and turn stirrer on just enough to keep water circulating. 8. Place the pH meter probe tip and the titrate delivery tube into sample water and titrate with sulfuric acid to pH 4.5. Remove the titrator delivery tube from sample water between applications of sulfuric acid. Note: As the pH of the sample approaches 4.5 the response to a given amount of titrate increases. If the temperature changes more than 5 °C during titration stop and return beaker to water bath until the sample reaches 25O C. 9. Record the number showing in the titrator window as the alkalinity of the sample. Total Digits Required = mg/l as CaCO3 Total (T) Alkalinity. (see table 4 for expected reading range) 10. Rinse pH meter probe tip with distilled water and dry titrate delivery tube tip between each sample site test.		
11NPSWRD	OZAR_ORI ON290A	Active	Orion Model 290A pH and Temperature Probe	OZAR_0000011 - Thermo Electron Corp., 1992, Orion Model 290A Portable pH/ISE Meter Instruction Manual, Revision A 1992, Thermo Electron Corp., Unknown	pH meter	
	Description		Calibrate meter daily. Immerse probe completely into water column. If water is not flowing, gently agitate probe. Hold the probe upstream of the collector and in the middle of the water column while taking measurements. Record value when reading stabilizes. Replace probe in transport chamber.			
11NPSWRD	OZAR_TEM PAIR	Active	Air Temperature	OZAR_0000001 - Ozark National Scenic Riverways, August 25, 2005, Standard Operating Procedures for Water Quality Monitoring-Ozark National Scenic Riverways, Ozark National Scenic Riverways, 50 pages	Thermometer	
	Description		Air temperature is measured by hanging a glass thermometer off the vehicle in a shaded area away from the muffler. Allow the thermometer to equilibrate, about 30 seconds, out of direct sunlight.			
11NPSWRD	OZAR_TN	Active	Total Nitrogen by Second Derivative Spectroscopy	OZAR_0000009 - Crumpton, W.G., T.M. Isehart and P.D. Mitchell, 1992, Nitrate and organic N analyses with second derivative spectroscopy,	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Limnol. Oceanogr, 37:907-913		
	Description	Lab analysis for Total Nitrogen ζ Nitrogen is analyzed using second derivative determination of a potassium persulfate oxidized sample. Determine mg/L concentration for each of the two 50 ml sub samples and report the mean. UMC Lab used a Spectronic Genisis 2 UV/VIS spectrophotometer for sample analysis. Perkins Lab used a Unicam Aquamate UV/Vis spectrophotometer for sample analysis. A comparable national procedure is APHA # 4500-N Total Nitrogen persulfate method				
11NPSWRD	OZAR_YSI5 50_DO	Active	YSI Model 550 DO Meter	OZAR_0000003 - YSI Incorporated, September 2000, YSI 550 Handheld Dissolved Oxygen and Temperature System Operations Manual, Revision B, YSI Incorporated, Unknown	YSI Multi Probe Handheld Instrument	APHA/4500-O-G
	Description	Calibrate the meter before leaving lab in the morning. Readings for dissolved oxygen are taken in the same location in the stream where sample bottles are filled after allowing time for the probe to stabilize before taking a reading. The probe should be fully submerged in the water column, but avoid having the probe near the surface or resting on the bottom. Hold the probe up stream of the collector and in the middle of the water column while taking measurements. If swift laminar flow is not available the probe may need a gentle back and forth movement of approximately 1 foot/second to obtain a stable, accurate reading. When reading is stable record the value in mg/l.				
11NPSWRD	OZAR_YSI5 5_DO	Active	YSI Model 55 DO Meter	OZAR_0000010 - YSI Incorporated, 1997, YSI 55 Handheld Dissolved Oxygen and Temperature System Operations Manual, 1997, YSI Incorporated, Unknown	YSI Multi Probe Handheld Instrument	APHA/4500-O-G
	Description	Calibrate meter daily. Readings for dissolved oxygen are taken in the same location in the stream where sample bottles are filled after allowing time for the probe to stabilize before taking a reading. The probe should be fully submerged in the water column, but avoid having the probe near the surface or resting on the bottom. Hold the probe up stream of the collector and in the middle of the water column while taking measurements. If swift laminar flow is not available the probe may need a gentle back and forth movement of approximately 1 foot/second to obtain a stable, accurate reading. When reading is stable record the value in mg/l.				
11NPSWRD	OZAR_YSI6 3PROBE	Active	YSI Model 63 pH, Conductivity, and Temperature Probe	OZAR_0000005 - YSI Incorporated, January 1998, YSI Model 63 Handheld pH, Conductivity, Salinity and Temperature System Operations Manual, YSI Incorporated, Unknown	YSI Multi Probe Handheld Instrument	
	Description	Calibrate meter daily. Immerse probe completely into water column. If water is not flowing, gently agitate probe. Hold the probe upstream of the collector and in the middle of the water column while taking measurements. Record value when reading stabilizes. Replace probe in transport chamber.				
11NPSWRD	REDW_RC W_FLOW	Active	Redwood Parks Monitoring Program-Flow Discharge Calculated by Stage- Discharge Relationship	Klein, Randy, 2005, Rainfall, Streamflow, Turbidity, and Suspended Sediment Yield in the Redwood Creek Watershed-A Progress Report on Redwood National and State Parks ζ Hydrologic Monitoring Program, Redwood	Calculated	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
National and State Parks, 22 pages						
Description	The Redwood National and State Parks' Hydrologic Monitoring Program, designed for the Redwood Creek watershed, uses the following procedure. Periodic discharge measurements are made at each gaging station throughout the year typically using a spinning cup-type current meter to take velocity measurements across the gaging cross section. Occasional measurements are also made with an electromagnetic current meter. During non-stormflow periods, measurements are made by wading across the stream. During high flow events, measurements are taken from either a bridge or cableway using a winch apparatus to lower the current meter into the flow. Stage is visually read during a measurement. Thus data pairs of stage and discharge are accumulated for each gaging station which are used to develop and update stage-discharge relationships. It is this relationship that allows researchers to calculate stream discharge from automatic (electronic) and manual stage observations. Continuous discharge is calculated from electronically recorded stage data using a stage-discharge relationship (rating table or curve) specific to each stream gage. Rating curves are developed graphically by plotting discharge data (from field measurements) against the corresponding stage at the time the discharge measurements are taken. Line segments are visually fit to the plotted points, and a rating table (a list of stage-discharge pairs covering the range of measurements) is developed from the rating curve. Discharge measurements are taken at all gages every year in order to maintain accurate rating curves. Minor changes in the configuration of the channel cross section at the gages, which occur virtually every year, can alter stage-discharge relationships at low flows, while high flows can alter the entire stage-discharge relationship over the full range. Consequently, rating curves must be continually updated by periodic discharge measurements.					
11NPSWRD	REDW_RC W_PRECIP	Active	Redwood Parks Monitoring Program-Precipitation from Tipping-Bucket Rain Gage	Klein, Randy, 2005, Rainfall, Streamflow, Turbidity, and Suspended Sediment Yield in the Redwood Creek Watershed-A Progress Report on Redwood National and State Parks; Hydrologic Monitoring Program, Redwood National and State Parks, 22 pages		
Description	The Redwood National and State Parks' Hydrologic Monitoring Program, designed for the Redwood Creek watershed, uses the following procedure. The rain gages are of the tipping bucket type and are connected to stream gaging data loggers. No complex data processing is required for the rainfall data, except in the case of an equipment failure. In this case, researchers may synthesize data from another source to estimate the missing record so that they have a complete record. Typically, researchers calculate total annual rainfall (on a water year basis) as well as daily and monthly depths. If needed, rainfall depths of other durations (e.g., 12-hour, 6-hour, and hourly depths) and intensities can be calculated from 10-minute spreadsheet files, but this is not routinely done.					
11NPSWRD	REDW_RC W_SSD	Active	Redwood Parks Monitoring Program-Suspended Sediment Discharge Calculation	Klein, Randy, 2005, Rainfall, Streamflow, Turbidity, and Suspended Sediment Yield in the Redwood Creek Watershed-A Progress Report on Redwood National and State Parks; Hydrologic Monitoring Program, Redwood National and State Parks, 22 pages	Calculated	
Description	The Redwood National and State Parks' Hydrologic Monitoring Program, designed for the Redwood Creek watershed, uses the following procedure. Suspended sediment discharge is calculated by multiplying discharge (determined from stage-discharge relationships) for a specific period by the suspended sediment concentration representing that period, as indicated by a sample. Samples are taken during or shortly after rainstorms. Endpoints for a period of suspended sediment discharge are estimated from graphical plots of stage and sediment concentration. Suspended sediment concentrations of samples are determined by laboratory analysis. A standard vacuum filtration technique and 1.5 micron filters are used to determine the					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
weight of sediment in each sample, and concentration (milligrams per liter) is calculated by dividing the sediment weight by the volume of the original sample.						
11NPSWRD	REDW_RC W_STAGE	Active	Redwood Parks Monitoring Program-Stage Measurement by Pressure Transducer	Klein, Randy, 2005, Rainfall, Streamflow, Turbidity, and Suspended Sediment Yield in the Redwood Creek Watershed-A Progress Report on Redwood National and State Parks, Hydrologic Monitoring Program, Redwood National and State Parks, 22 pages	Probe	
Description The Redwood National and State Parks' Hydrologic Monitoring Program, designed for the Redwood Creek watershed, uses the following procedure. Stage (height of the water surface above a datum) is recorded continuously by means of a pressure transducer (which senses water depth) connected to a data logger, which records and stores the data. The pressure transducer is deployed into the stream inside a stilling well. The data logger is located inside a small hut up on the adjacent streambank, above the expected reach of high water. Data are downloaded to storage devices for processing on a bi-weekly basis during the winter and less often at other times of the year. The recording interval for Redwoods National and State Parks data loggers is 10 minutes.						
11NPSWRD	ROMO_GE RG_GC/MS	Active	BTEX and PAH Analysis at Texas A&M University	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Capillary GC with High Resolution Mass Spectrophotometer	
Description The extraction and analyses were conducted in accordance with the standard operating procedures at the Geochemical and Environmental Research Group laboratory.						
11NPSWRD	SHIL_GRU B_INVRT	Active	Shiloh NMP-UM Macroinvertebrate Identification	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Optical Microscope	
Description Macroinvertebrate identification was completed under a dissecting scope from samples collected at Shiloh National Military Park by University of Memphis teams under the supervision of Professor Jack Grubaugh.						
11NPSWRD	SHIL_GRU B_RGRSN	Active	Shiloh Branch PDL Results Determined by Regression Analysis with Tilghman Branch	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Calculated	
Description Researchers constructed the Shiloh Branch temperature values from October 26, 1996 to February 6, 1997 by performing regression analysis on HOBO data logger results recorded at the Tilghman Branch station during the same time period.						
11NPSWRD	SHIL_GRU B_TSS	Active	Total Suspended Solids (TSS) by Drying Oven	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Drying Oven	

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Description Approximately 3 liters of sample were collected, in 4 liter jugs to provide head space to resuspend settled sediments. Known volumes were then vacuum filtered through a preweighed Whatman AC glass fiber filter (effective retention >1um) and dried at 60 C for 48 hours, cooled in a desiccator for 30 minutes and re-weighed to 0.1 mg. Filtered volume and mass change of the filter were used to calculate TSS as mg/l.						
11NPSWRD	USGS_3150 1	Active	Total coliform, mENDO MF method	USGS00000001 - Myers, D.N. and F.D. Wilde, Eds., 1998, Biological Indicators; U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, Chapter A7, U.S. Geological Survey, 172p		
Description 31501, Total coliform, mENDO MF method, water, colonies/100 ml [coliform, membrane filter immediate mENDO medium (colonies/100 ml)]. This parameter code is the proper code for the membrane filter, mENDO agar method (Britton and Greeson, 1987, p. 13-16).						
11NPSWRD	USGS_3162 5	Active	Fecal coliform, M-FC MF (0.7 micron) method	USGS00000001 - Myers, D.N. and F.D. Wilde, Eds., 1998, Biological Indicators; U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, Chapter A7, U.S. Geological Survey, 172p		
Description Fecal coliform, mFC MF method, water, colonies/100 ml [Fecal coliform, .7 um-MF (col./100 mL)]. This is the mFC agar method (Britton and Greeson, 1987, p. 37-40). Parameter code 31625 was established when the 0.7 micron filter was recommended for the mFC method.						
11NPSWRD	USGS_3163 3	Active	Escherichia coli, m-TEC MF method	USGS00000001 - Myers, D.N. and F.D. Wilde, Eds., 1998, Biological Indicators; U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, Chapter A7, U.S. Geological Survey, 172p		
Description E. coli, mTEC MF method, water, colonies/100 ml [E. coli, water, whole, total, thermotol, MF, m-TEC, in-situ, urease, (col/100ml)]. This is the mTEC agar method (U.S. Environmental Protection Agency, 1986 and 2000b) for water and is widely used for monitoring recreational and ambient surface waters.						
11NPSWRD	USGS_3164 9	Active	Enterococci, m-E MF method	USGS00000001 - Myers, D.N. and F.D. Wilde, Eds., 1998, Biological Indicators; U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, Chapter A7, U.S. Geological Survey, 172p		
Description Enterococci, m-E MF method, water, colonies/100 ml [Enterococci, mE, membrane filter, water, whole, total (colonies/100 ml)]. This is a 48-hour,						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				two-step test for enterococci using the mE agar method (U.S. Environmental Protection Agency, 1986).		
11NPSWRD	USGS_31673	Active	Fecal Streptococci, KF streptococcus MF method	USGS00000001 - Myers, D.N. and F.D. Wilde, Eds., 1998, Biological Indicators; U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, Chapter A7, U.S. Geological Survey, 172p		
	Description 31673, Fecal Streptococci, KF streptococcus MF method, water, colonies/100 ml [Streptococci, fecal, membrane filter, KF agar (colonies/100 ml)]. This is the KF streptococcus agar method for water (Britton and Greeson, 1987, p. 47-50).					
11NPSWRD	USGS_AA030	Active	Potassium, wf, direct AAS	USGS00000004 - Fishman, M.J. and L.C. Friedman, Eds., 1998, Methods for determination of inorganic substances in water and fluvial sediments; Techniques of Water-Resources Investigations of the United States Geological Survey, Book 5, Chapter A1, U.S. Geological Survey, 545p	Atomic Absorption Spectrophotometer	
	Description Potassium in filtered water by direct AAS Procedure from NWIS import					
11NPSWRD	USGS_AA035	Active	Sodium, wf, direct AAS	USGS00000004 - Fishman, M.J. and L.C. Friedman, Eds., 1998, Methods for determination of inorganic substances in water and fluvial sediments; Techniques of Water-Resources Investigations of the United States Geological Survey, Book 5, Chapter A1, U.S. Geological Survey, 545p		
	Description Sodium in filtered water by direct AAS Procedure from NWIS import					
11NPSWRD	USGS_BAROMETER	Active	USGS Unspecified Barometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	USGS_BECKMAN_PHI10	Active	Beckman Phi 10, Electrometric Electrode	U.S. Geological Survey, 1997, National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-	pH meter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Resources Investigations, Book 9, USGS, A1-A9, 2 v.		
11NPSWRD	USGS_CALCULATED	Active	USGS Calculated from Other Characteristics	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	USGS_CL039	Active	Nutrients, LL, wf, color	USGS00000018 - Fishman, M.J., ed., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of inorganic and organic constituents in water and fluvial sediments [USGS I-2545-90], U.S. Geological Survey, OFR 93-125; 217p		
Description Nutrients, low level, filtered water, salicylate-hypochlorite, colorimetric Procedure from NWIS import						
11NPSWRD	USGS_CL048	Active	Nutrients, Cd reduct, color	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1		
Description Nutrients, filtered water, cadmium-reduction, colorimetric Procedure from NWIS import						
11NPSWRD	USGS_CL050	Active	Nutrients, low, Cd reduct, color	USGS00000018 - Fishman, M.J., ed., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of inorganic and organic constituents in water and fluvial sediments [USGS I-2545-90], U.S. Geological Survey, OFR 93-125; 217p		
Description Nutrients, lowlevel, filtered water, cadmium-reduction, colorimetric Procedure from NWIS import						
11NPSWRD	USGS_CL057	Active	Nutrients, lowlv, phosphomolybd	USGS00000018 - Fishman, M.J., ed., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of inorganic and organic		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation		Equipment
				constituents in water and fluvial sediments [USGS I-2545-90], U.S. Geological Survey, OFR 93-125; 217p		
	Description	Nutrients, lowlevel, filtered water, phosphomolybdate, colorimetric				
		Procedure from NWIS import				
11NPSWRD	USGS_COL M_DO	Active	Multiple Dissolved Oxygen Procedures Used at Colorado N.M. by USGS	Unknown, 19-- , No Cite - Method Not Cited, Unknown, Vol --		
	Description	For the Level I Inventory at Colorado National Monument, the USGS used either a YSI 50B Dissolved Oxygen Meter in the field or Hach Winkler Titration kits back at the office.				
11NPSWRD	USGS_CV0 14	Active	Mercury, wf, CV-AFS	USGS00000016 - Garbarino, J.R. and D.L. Damrau, 2001, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory---Determination of organic plus inorganic mercury in filtered and unfiltered natural water with cold vapor--atomic fluorescence spectrometry [USGS I-2464-01], U.S. Geological Survey Water-Resources Investigations Report 01-4132, 16p		
	Description	Mercury in Filtered Water by Cold Vapor-Atomic Fluorescence Spectrometry				
		Procedure from NWIS import				
11NPSWRD	USGS_ELO 06	Active	pH, lab, auto glass electrode	USGS00000004 - Fishman, M.J. and L.C. Friedman, Eds., 1998, Methods for determination of inorganic substances in water and fluvial sediments; Techniques of Water-Resources Investigations of the United States Geological Survey, Book 5, Chapter A1, U.S. Geological Survey, 545p		
	Description	pH, lab, by automated glass electrode				
		Procedure from NWIS import				
11NPSWRD	USGS_FEC ALIND	Active	USGS Unspecified Fecal Indicator Bacteria Procedure	USGS00000001 - Myers, D.N. and F.D. Wilde, Eds., 1998, Biological Indicators; U.S. Geological		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Survey Techniques of Water-Resources Investigations, Book 9, Chapter A7, U.S. Geological Survey, 172p		
11NPSWRD	USGS_FLO W_POFLU	Active	90-Degree-Notch Portable Flume	USGS00000015 - Rantz, S.E. et al., 1982, Measurements and computations of streamflow: volume 1. Measurement of stage and discharge. Water Supply Paper 2175., U.S. Geological Survey, Volume 1		
11NPSWRD	USGS_FLO W_RANTZ	Active	Measuring Discharge According to Rantz and Others	USGS00000015 - Rantz, S.E. et al., 1982, Measurements and computations of streamflow: volume 1. Measurement of stage and discharge. Water Supply Paper 2175., U.S. Geological Survey, Volume 1		
Description Discharge of streams was measured using current meters or the float method (to estimate velocity). Flow from springs either was estimated visually or measured using volumetric methods as per Rantz and Others.						
11NPSWRD	USGS_FLO W_RODVM	Active	USGS Flow Determination by Wading Rod and Pygmy or Price AA Velocity Meter	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6		
11NPSWRD	USGS_G00 17	Active	No information exists for method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Procedure from NWIS import						
11NPSWRD	USGS_GC M62	Active	VOCs, water, GC-MS	USGS00000007 - Connor, B.F., D.L. Rose, M.C. Noriega, L.K. Murtagh, and S.R. Abney, 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatography/mass spectrometry, including detections less than reporting limits [USGS O-4127-96], U.S. Geological Survey, 78p		
Description Volatile Organic Compounds in Water by GC-MS						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Procedure from NWIS import						
11NPSWRD	USGS_GC M63	Active	VOCs, water, GC-MS	USGS00000007 - Connor, B.F., D.L. Rose, M.C. Noriega, L.K. Murtagh, and S.R. Abney, 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatography/mass spectrometry, including detections less than reporting limits [USGS O-4127-96], U.S. Geological Survey, 78p		
Description		Volatile Orgainc Compounds in Water by GC-MS				
Procedure from NWIS import						
11NPSWRD	USGS_GC M64	Active	VOCs, water, GC-MS	USGS00000007 - Connor, B.F., D.L. Rose, M.C. Noriega, L.K. Murtagh, and S.R. Abney, 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatography/mass spectrometry, including detections less than reporting limits [USGS O-4127-96], U.S. Geological Survey, 78p		
Description		Volatile Orgainc Compounds in Water by GC-MS				
Procedure from NWIS import						
11NPSWRD	USGS_GC M65	Active	VOCs, water, GC-MS	USGS00000007 - Connor, B.F., D.L. Rose, M.C. Noriega, L.K. Murtagh, and S.R. Abney, 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatography/mass spectrometry, including detections less than reporting limits [USGS O-4127-96], U.S. Geological Survey, 78p		
Description		Volatile Orgainc Compounds in Water by GC-MS				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Procedure from NWIS import						
11NPSWRD	USGS_GC M66	Active	VOC, wu, acidified, GCMS	USGS00000007 - Connor, B.F., D.L. Rose, M.C. Noriega, L.K. Murtagh, and S.R. Abney, 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatography/mass spectrometry, including detections less than reporting limits [USGS O-4127-96], U.S. Geological Survey, 78p		
Description		Volatile organic compounds, unfiltered water, acidified, purge and trap gas chromatography/mass spectrometry				
Procedure from NWIS import						
11NPSWRD	USGS_GC M67	Active	VOC, wu, censor at <0.2, GCMS	USGS00000007 - Connor, B.F., D.L. Rose, M.C. Noriega, L.K. Murtagh, and S.R. Abney, 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatography/mass spectrometry, including detections less than reporting limits [USGS O-4127-96], U.S. Geological Survey, 78p		
Description		Volatile organic compounds, unfiltered water, censored at <0.2 ug/L, purge and trap gas chromatography/mass spectrometry				
Procedure from NWIS import						
11NPSWRD	USGS_GC M68	Active	VOC, wu, censor at <0.2, GCMS	USGS00000007 - Connor, B.F., D.L. Rose, M.C. Noriega, L.K. Murtagh, and S.R. Abney, 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatography/mass spectrometry, including detections less than reporting limits [USGS O-4127-96], U.S. Geological Survey, 78p		
Description		Volatile organic compounds, unfiltered water, censored at <0.2 ug/L, purge and trap gas chromatography/mass spectrometry				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Procedure from NWIS import						
11NPSWRD	USGS_GF075	Active	Chromium, wf, GFAAS	USGS00000013 - McLain, Betty, 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of chromium in water by graphite furnace atomic absorption spectrophotometry [USGS I-1233-93], U.S. Geological Survey, 16p		
Description		Chromium in Filtered Water by GFAAS				
Procedure from NWIS import						
11NPSWRD	USGS_GF085	Active	Arsenic, wf, GFAAS	USGS00000002 - Jones, S.R. and J.R. Garbarino, 1999, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory 4 determination of arsenic and selenium in water and sediment by graphite furnace-atomic adsorption spectrometry, U.S. Geological Survey, 39p		
11NPSWRD	USGS_GF094	Active	Chromium, wu, GFAAS	USGS00000013 - McLain, Betty, 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of chromium in water by graphite furnace atomic absorption spectrophotometry [USGS I-1233-93], U.S. Geological Survey, 16p	Graphite Furnace Atomic Absorption Spectrophotometer	
Description		Chromium in Unfiltered Water by GFAAS				
Procedure from NWIS import						
11NPSWRD	USGS_GF095	Active	Molybdenum, wu, GFAAS	USGS00000025 - Jones, S.R. and B.J. McLain, 1997, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of molybdenum in water by graphite furnace atomic absorption spectrophotometry [USGS I-3492-96], U.S. Geological Survey, 32p		
Description		Molybdenum Recoverable from Unfiltered Water by GFAAS				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Procedure from NWIS import						
11NPSWRD	USGS_GF096	Active	Arsenic, wu, GFAAS	USGS00000002 - Jones, S.R. and J.R. Garbarino, 1999, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory 4 determination of arsenic and selenium in water and sediment by graphite furnace-atomic adsorption spectrometry, U.S. Geological Survey, 39p	Graphite Furnace Atomic Absorption Spectrophotometer	
Description		Arsenic Recoverable from Unfiltered Water by GFAAS				
Procedure from NWIS import						
11NPSWRD	USGS_GF097	Active	Cadmium, wu, GF-AAS	USGS00000018 - Fishman, M.J., ed., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of inorganic and organic constituents in water and fluvial sediments [USGS I-2545-90], U.S. Geological Survey, OFR 93-125; 217p	Graphite Furnace Atomic Absorption Spectrophotometer	
Description		Cadmium in unfiltered water, by GF-AAS				
Procedure from NWIS import						
11NPSWRD	USGS_GF098	Active	Cobalt, wu, GF-AAS	USGS00000018 - Fishman, M.J., ed., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of inorganic and organic constituents in water and fluvial sediments [USGS I-2545-90], U.S. Geological Survey, OFR 93-125; 217p		
Description		Cobalt recoverable from unfiltered water, by GF-AAS				
Procedure from NWIS import						
11NPSWRD	USGS_GF099	Active	Copper, wu, GF-AAS	USGS00000018 - Fishman, M.J., ed., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of inorganic and organic constituents in water and fluvial sediments [USGS	Graphite Furnace Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				I-2545-90], U.S. Geological Survey, OFR 93-125; 217p		
			Description	Copper recoverable from unfiltered water, by GF-AAS		
				Procedure from NWIS import		
11NPSWRD	USGS_GF1 00	Active	Lead, wu, GF-AAS	USGS00000018 - Fishman, M.J., ed., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of inorganic and organic constituents in water and fluvial sediments [USGS I-2545-90], U.S. Geological Survey, OFR 93-125; 217p	Graphite Furnace Atomic Absorption Spectrophotometer	
			Description	Lead recoverable from unfiltered water, by GF-AAS		
				Procedure from NWIS import		
11NPSWRD	USGS_GF1 01	Active	Nickel, wu, GF-AAS	USGS00000018 - Fishman, M.J., ed., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of inorganic and organic constituents in water and fluvial sediments [USGS I-2545-90], U.S. Geological Survey, OFR 93-125; 217p		
			Description	Nickel recoverable from unfiltered water, by GF-AAS		
				Procedure from NWIS import		
11NPSWRD	USGS_GF1 02	Active	Selenium, wu, GFAAS (NWQL)	USGS00000002 - Jones, S.R. and J.R. Garbarino, 1999, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory ¿ determination of arsenic and selenium in water and sediment by graphite furnace-atomic adsorption spectrometry, U.S. Geological Survey, 39p	Graphite Furnace Atomic Absorption Spectrophotometer	
			Description	Selenium Recoverable from Unfiltered Water by GFAAS		
				Procedure from NWIS import		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	USGS_GF103	Active	Silver, wu, GF-AAS	USGS00000018 - Fishman, M.J., ed., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory-- Determination of inorganic and organic constituents in water and fluvial sediments [USGS I-2545-90], U.S. Geological Survey, OFR 93-125; 217p		
Description Silver, recoverable from unfiltered water, by GF-AAS Procedure from NWIS import						
11NPSWRD	USGS_GRA VI	Active	USGS Gravimetric	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	USGS_HAC H_KIT	Active	Hach Alkalinity Kit, Titration with H2SO4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Filtration of water samples, 0.45 microns in the field.						
11NPSWRD	USGS_I-2063	Active	Graphite Furnace Atomic Absorption	USGS00000002 - Jones, S.R. and J.R. Garbarino, 1999, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory ζ determination of arsenic and selenium in water and sediment by graphite furnace-atomic adsorption spectrometry, U.S. Geological Survey, 39p		
11NPSWRD	USGS_I-2477	Active	Inductively Coupled Plasma/Mass Spectrometry	USGS00000003 - Faires, L.M., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory ζ determination of metals in water by inductively coupled plasma-mass spectrometry, U.S. Geological Survey, 27p		
11NPSWRD	USGS_I-2587	Active	Electrometric Electrode	USGS00000004 - Fishman, M.J. and L.C. Friedman, Eds., 1998, Methods for determination of inorganic substances in water and fluvial sediments; Techniques of Water-Resources Investigations of the United States Geological Survey, Book 5, Chapter A1, U.S. Geological Survey, 545p		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	USGS_I-2610	Active	Colorimetry, Automated-Segmented Flow, Microkjeldahl Digestion	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	USGS_I-2668	Active	Graphite Furnace Atomic Absorption	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	USGS_I-2781	Active	Electrometric Wheatstone Bridge	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	USGS_I-4515	Active	Semi Automated Block Digester Colorimetric	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	USGS_I-4602	Active	Colorimetry, Automated-Segmented Flow, Phosphomolybdate	USGS00000004 - Fishman, M.J. and L.C. Friedman, Eds., 1998, Methods for determination of inorganic substances in water and fluvial sediments; Techniques of Water-Resources Investigations of the United States Geological Survey, Book 5, Chapter A1, U.S. Geological Survey, 545p		
11NPSWRD	USGS_I-4610	Active	Colorimetry, Automated-Segmented Flow, Microkjeldahl Digestion	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	USGS_KJ002	Active	Nutrients, wf, Kjeldahl, color	USGS00000009 - Patton, C.J., and Truitt, E.P., 2000, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory-- Determination of ammonium plus organic nitrogen by a Kjeldahl digestion method and an automated photometric finish that includes digest cleanup by gas diffusion [USGS I-2515-91], U.S. Geological Survey, 31 p.		
Description Nutrients, filtered water, kjeldahl digestion, colorimetric Procedure from NWIS import						
11NPSWRD	USGS_KJ005	Active	Nutrients, wf, Kjeldahl, color	USGS00000008 - Patton, C.J., and Truitt, E.P., 1992, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--		

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11NPSWRD National Park Service						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Determination of total phosphorus by a Kjeldahl digestion method and an automated colorimetric finish that includes dialysis [USGS I-2610-99], U.S. Geological Survey, 39 p.		
Description	Nutrients, filtered water, kjeldahl digestion, colorimetric					
			Procedure from NWIS import			
11NPSWRD	USGS_KJO 08	Active	Nutrients, acidified, Kjeldahl	USGS00000009 - Patton, C.J., and Truitt, E.P., 2000, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory-- Determination of ammonium plus organic nitrogen by a Kjeldahl digestion method and an automated photometric finish that includes digest cleanup by gas diffusion [USGS I-2515-91], U.S. Geological Survey, 31 p.		
Description	Nutrients, unfiltered water, acidified, kjeldahl digestion, colorimetric					
			Procedure from NWIS import			
11NPSWRD	USGS_KJO 09	Active	Phosphorus, wu, microKJ ASF, H+	USGS00000008 - Patton, C.J., and Truitt, E.P., 1992, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory-- Determination of total phosphorus by a Kjeldahl digestion method and an automated colorimetric finish that includes dialysis [USGS I-2610-99], U.S. Geological Survey, 39 p.		
Description	Total Phosphorus in Unfiltered Water by Microkjeldahl Digestion, and ASF Dialysis and Colorimetry (unfiltered sample, preserved by chilling only prior to 1-1-1999, preserved with sulfuric acid 1-1-1999 to present; see OWQ Tech Memo 99.04)					
			Procedure from NWIS import			
11NPSWRD	USGS_LSC 04	Active	Tritium, LL, wu,enrich liq scint	USGS00000016 - Garbarino, J.R. and D.L. Damrau, 2001, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory---Determination of organic plus inorganic mercury in filtered and unfiltered natural water with cold vapor--atomic fluorescence spectrometry [USGS I-2464-01], U.S. Geological		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Survey Water-Resources Investigations Report 01-4132, 16p		
Description	Tritium, Water, Unfiltered, Low-level, by Electrolytic Enrichment and Liquid Scintillation					
	Procedure from NWIS import					
11NPSWRD	USGS_ME MFILT	Active	USGS Membrane Filtration Method for Fecal Indicator Bacteria	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6		
11NPSWRD	USGS_MUL TIPARM	Active	USGS Unspecified Multiparameter Meter Field Measurement	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	Field measurements with an unspecified multiparameter meter done by the USGS					
11NPSWRD	USGS_O-4127-96	Active	Volatile Organic Compounds in Water by GC-MS	USGS00000007 - Connor, B.F., D.L. Rose, M.C. Noriega, L.K. Murtagh, and S.R. Abney, 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatography/mass spectrometry, including detections less than reporting limits [USGS O-4127-96], U.S. Geological Survey, 78p		
Description	<p>Volatile organic compounds are purged from the sample matrix by bubbling helium through a 25-mL aqueous sample. The compounds are trapped in a tube containing suitable sorbent materials and then thermally desorbed into a Megabore capillary gas chromatography column interfaced to a mass spectrometer system. Selected compounds are identified by using strict qualification criteria, which include analyzing standard reference materials and comparing retention times and relative ratios of the mass spectra. Tentatively identified compounds are compared to spectra in the National Institute of Standards and Technology (NIST) libraries. Compounds are quantitated using internal standard procedures. Quantitation that is extrapolated less than the lowest calibration standard is qualified as 'estimated' to signify the lower confidence in the extrapolated concentration. Compounds are not quantitated if they do not strictly adhere to qualification criteria. Compounds identified with concentrations within the calibration range are reported without qualification, unless quality control or holding times are compromised.</p> <p>Additional information can be found in USGS Factsheet 219-95, 'U.S. Geological Survey Laboratory Method for Methyl tert-Butyl Ether and Other Fuel Oxygenates', and USGS Factsheet 086-98, 'U.S. Geological Survey Laboratory Method for Analysis of Small Concentrations of Methyl tert-Butyl Ether and Other Ether Gasoline Oxygenates in Water.'</p>					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	USGS_PAR SHALL	Active	Parshall Flume for Measuring Discharge	USGS00000005 - Buchanan, T.J. and W.P. Somers, 1969, Discharge measurements at gaging stations; Techniques of Water-Resources Investigations of the United States Geological Survey, Book 3, Chapter A8, U.S. Geological Survey, 65p	Flow determining weir.	
11NPSWRD	USGS_PHO S3	Active	Laser phosphorim, ext (Eberline)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Laser-induced phosphorimetry, extracted (analysis by Eberline Services)						
Procedure from NWIS import						
11NPSWRD	USGS_PHO S6	Active	Uranium, wf, ext phosphorescence	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Uranium, Water, Filtered, by Extraction and Laser Induced Phosphorescence						
Procedure from NWIS import						
11NPSWRD	USGS_PLA 06	Active	Trace elements, wf, ICP/T (Ocala)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Ocala Lab analysis of dissolved trace elements by Inductively Coupled Plasma--Atomic Emission Spectrometry (ICP/T)						
Procedure from NWIS import						
11NPSWRD	USGS_PLA 07	Active	Trace elements, wu, ICP/T (Ocala)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Ocala Lab analysis of total trace elements by Inductively Coupled Plasma--Atomic Emission Spectrometry (ICP/T)						
Procedure from NWIS import						
11NPSWRD	USGS_PLA 15	Active	Metals, wu, ICP-AES	USGS00000011 - Garbarino, J.R. and T.M. Struzeski, 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of elements in whole-water digests using inductively coupled plasma-optical emission spectrometry and inductively coupled plasma-mass spectrometry, U.S. Geological Survey, OFR 98-165; 101p	Inductively Coupled Plasma Combined with Mass Spectrophotome	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Metals, unfiltered water, Inductively coupled plasma-atomic emission spectrometry						
Procedure from NWIS import						
11NPSWRD	USGS_PLM 30	Active	USGS Trace elements,wf, ICP-MS(Ocala)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Ocala Lab analysis of trace elements in filtered water by ICP-MS						
Procedure from NWIS import						
11NPSWRD	USGS_PLM 40	Active	Metals, water, ICP-MS	USGS00000003 - Faires, L.M., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory ¿ determination of metals in water by inductively coupled plasma-mass spectrometry, U.S. Geological Survey, 27p		
Description Metals in Water by ICP-MS						
Procedure from NWIS import						
11NPSWRD	USGS_PLM 43	Active	Metals, wf, ICP-MS	USGS00000003 - Faires, L.M., 1993, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory ¿ determination of metals in water by inductively coupled plasma-mass spectrometry, U.S. Geological Survey, 27p		
Description Metals, filtered water, Inductively coupled plasma-mass spectrometry						
Procedure from NWIS import						
11NPSWRD	USGS_SD_ ELISA	Active	Enzyme Linked Immunosorbent Assay Technique	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	USGS_SPI RIT_TH	Active	USGS Spirit Filled Thermometer	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6	Thermometer	
11NPSWRD	USGS_SSC	Active	Suspended Sediment	USGS00000014 - Guy, H.P., 1969, Laboratory		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	_GUY		Concentration Using the Filtration Method	theory and methods for sediment analysis: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter C1, U.S. Geological Survey, 58p		
11NPSWRD	USGS_THE_RM_STD	Active	USGS Standard Glass Thermometer	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6	Thermometer	
11NPSWRD	USGS_TT013	Active	USGS Alkalinity, wf, field, increment	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6	Titration Apparatus	
11NPSWRD	USGS_TT017	Active	Bicarbonate, wf, field, increm	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6		
Description		Bicarbonate, dissolved, field, incremental titration				
11NPSWRD	USGS_TT019	Active	USGS Carbonate, wf, field, increment	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6		
Description		Carbonate, dissolved, field, incremental titration				
11NPSWRD	USGS_TT023	Active	Hydroxide, wf, field, increm	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Hydroxide, dissolved, field, incremental titration				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Procedure from NWIS import						
11NPSWRD	USGS_TUR BID	Active	USGS Unspecified Turbidimeter Used in the Field	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6		
11NPSWRD	USGS_UNK NOWN	Active	USGS Unknown/Unspecified Analytical Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	USGS_UNSPEC	Active	Unspecified USGS Lab Analytical Procedures at NWQL Following Standard Protocols	USGS00000004 - Fishman, M.J. and L.C. Friedman, Eds., 1998, Methods for determination of inorganic substances in water and fluvial sediments; Techniques of Water-Resources Investigations of the United States Geological Survey, Book 5, Chapter A1, U.S. Geological Survey, 545p		
11NPSWRD	USGS_WH T03	Active	Specific cond, lab, autom bridge	USGS00000004 - Fishman, M.J. and L.C. Friedman, Eds., 1998, Methods for determination of inorganic substances in water and fluvial sediments; Techniques of Water-Resources Investigations of the United States Geological Survey, Book 5, Chapter A1, U.S. Geological Survey, 545p		
Description Specific conductance, lab, automated, by Wheatstone bridge						
11NPSWRD	USGS_WT W_LF91	Active	WTW Model LF91 Temperature-Compensated Specific Conductance Meter	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9, Chapter A6	Conductivity Meter	
11NPSWRD	USGS_YSI_UNSPEC	Active	YSI Unspecified Scientific Dissolved Oxygen Meter	USGS00000006 - Wilde, F.D. and D.B. Radtke (eds.), 1998, National Field Manual for the Collection of Water-Quality Data: U.S. Geological Survey Techniques of Water-Resources Investigations, U.S. Geological Survey, Book 9,	Probe	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Chapter A6						
11NPSWRD	WABA_FIS HID	Active	Oklahoma Biological Survey Field Fish Identification	Bergey, E.A., 2003, Aquatic invertebrates and fishes of the Washita River in the Washita Battlefield National Historic Site Final Report, Department of Zoology, University of Oklahoma, 29 pages	Human Eye	
Description All captured fish were identified, counted, and released. Richard Broughton, Biologist with the Oklahoma Biological Survey identified the fish specimens. No collection of specimens was made. The relative numbers caught indicate the relative numbers in the habitat.						
11NPSWRD	WABA_FLIE S	Active	Mayfly, Stonefly, and Caddisfly Identification	Bergey, E.A., 2003, Aquatic invertebrates and fishes of the Washita River in the Washita Battlefield National Historic Site Final Report, Department of Zoology, University of Oklahoma, 29 pages	Human Eye	
Description Dr. Boris Kondratieff (Colorado State University) identified the mayflies and stoneflies; Dave Ruiter (Centennial, CO) identified the caddisflies.						
11NPSWRD	WABA_MA CROINV	Active	Oklahoma Biological Survey Macroinvertebrate Identification	Bergey, E.A., 2003, Aquatic invertebrates and fishes of the Washita River in the Washita Battlefield National Historic Site Final Report, Department of Zoology, University of Oklahoma, 29 pages	Human Eye	
Description In the laboratory, invertebrates were sorted from the sediment and organic material in the samples and identified to the lowest feasible taxon (often genus).						
11NPSWRD	WABA_SUS SED	Active	Suspended Sediment determined by Filtering, Ashing, and Weighing	Bergey, E.A., 2003, Aquatic invertebrates and fishes of the Washita River in the Washita Battlefield National Historic Site Final Report, Department of Zoology, University of Oklahoma, 29 pages	Drying Oven	
Description Suspended sediment samples were filtered onto pre-weighed glass fiber filters, which were then ashed (at 500 °C for 1 hour) and reweighed to determine the ash (= suspended sediment) content.						
11NPSWRD	WRST_MA C_ACTISC	Active	Activon Model PTI-10 Specific Conductance Meter	WRST_MAC_HEC - Hecht, B. and E. LaChapelle, 1999, Hydrologic and Hydrogeologic Factors Affecting Aquifer Protection, McCarthy Area, Alaska. Geotechnical Report for Alaska Department for Environmental Conservation. Grant C9000652-94-0. Report prepared for The	Conductivity Meter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				McCarthy Area Council, Glennallen, Alaska. , Balance Hydrologics, Inc., 90 pages		
	Description	Field samples were collected in 4-oz polyethylene bottles and stored at room temperature with the test cell for at least 24 hours. The conductivity meter, Activon Model PTI-10, was internally calibrated then checked with standard solutions before sample conductivities were measured. Sample temperatures were determined with a laboratory thermocouple thermometer, Bailey Model BAT-12. Calculations: The meter registered values 7% greater than the standards, so sample conductivities were multiplied by 0.93. The conductivity values were then adjusted to a standard 25C with this equation: $SC_{25} = SC_0 (1.88 - 0.05T_0 + 0.0006T_0^2)$; where SC_0 = observed conductivity in micromhos per centimeter, and T_0 = temperature of observed water sample in degrees Celsius. The final adjusted values are Corrected SC @ 25C, presented in this data set.				
11NPSWRD	WRST_SM1 6_413C	Active	Fluoride by SPADNS Method	APHA_SM_16V - American Public Health Association, 1985, Standard Methods for the Examination of Water and Wastewater, 16th Edition, APHA, 16th Edition		APHA/4500-F-D
	Description	APHA Standard Methods Version 16, Section 413-C				
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2130-B	Active	Nephelometric Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	2310	Active	Acidity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-F	Active	Settleable Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3111-D	Active	Metals in Water by FLAA-Direct Nitrous Oxide-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3120	Active	Metals in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	4110-B	Active	Anions in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4110-C	Active	Single Column Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-NH3(F)	Active	Ammonia in Water Using Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(D)	Active	Nitrate in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-O-C	Active	Total Dissolved Oxygen by Titration- Azide Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-P-C	Active	Phosphorus in Water by Vanadomolybdophosphoric Acid Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-SO4(F)	Active	Sulfate in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	5520-B	Active	Oil and Grease by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	5540-C	Active	Anionic Surfactants in Water as MBAS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
HACH	8038	Active	Ammonia Nitrogen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8048	Active	Reactive Phosphorus in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company,	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				2nd Edition		
HACH	8051	Active	Sulfate in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8221	Active	Alkalinity by Buret Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
IDEXX	COLILERT/2000	Active	Colilert Quanti-Tray/2000; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USDOI/USGS	B0060	Active	Fecal Streptococcal Bacteria- Confirmation Test	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	I1114	Active	Boron in Water by DC Plasma Spectrometry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Direct Current Argon Plasma Spectrophotometer	
USDOI/USGS	I1187	Active	Chloride in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I1250	Active	Color in Water by Visual Comparison	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Human Eye	
USDOI/USGS	I1327	Active	Fluoride in Water Using an ISE	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Selective Electrode	
USDOI/USGS	I1472	Active	Metals in Water by ICP	USDOI, USGS, 19--, Methods for Determination	Inductively	

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				of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Coupled Plasma Combined with Mass Spectrophotome	
USDOI/USGS	I1630(W)	Active	Potassium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1750	Active	Residue by Evaporation and Gravimetric	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Laboratory Balance	
USDOI/USGS	I1780	Active	Specific Conductance	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Conductivity Bridge	
USDOI/USGS	I2030	Active	Alkalinity in Water by Titration	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOI/USGS	I2057	Active	Anions in Water by Ion Chromatography	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Chromatograph	
USDOI/USGS	I2058	Active	Anions in Water by Ion Chromatography	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Chromatograph	
USDOI/USGS	I2327	Active	Fluoride in Water Using an ISE	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Selective Electrode	
USDOI/USGS	I2522	Active	Ammonia Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			by Colorimetry	of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1		
USDOI/USGS	I2540	Active	Nitrite-Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2545(W)	Active	Nitrite- Plus Nitrate-Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2601	Active	Orthophosphate-Phosphorus by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2700	Active	Silica in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I3462	Active	Mercury in Water by CVAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Cold Vapor Atomic Absorption Spectrophotometer	
USDOI/USGS	I3860	Active	Nephelometric Turbidity in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Nephelometer	
USDOI/USGS	O3100	Active	Total Organic Carbon in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Nondispersive Infrared Spectrophotometer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of	Conductivity	

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				Water and Wastes, USEPA, EPA 600/4-79-020	Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200	Active	Metals by Atomic Absorption	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	200.15	Active	Metals in Water by Nebulization and ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	

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USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	208.2	Active	Barium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

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					Absorption Spectrophotometer		
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		

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USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption	

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					Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.1	Active	Chloride by Colorimetric Analysis I	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

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USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Colorimeter	

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				USEPA, EPA 600/R-93-100		
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	7000A(FLA A)	Active	Atomic Absorption - FLAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Flame Atomic Absorption Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8080A	Active	Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Electrolytic Conductivity Detector	
USEPA	900	Active	Gross Alpha and Beta Activity in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	
USEPA	9010A(A)	Active	Total and Amenable Cyanides by Colorimetry	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Colorimeter	
USEPA	9050A	Active	Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Meter	
USEPA	9060	Active	Total Organic Carbon in	USEPA, 1986, Test Methods for Evaluating Solid	Total Organic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water and Waste	Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Carbon - Infra- Red Detector	

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11TOX09

U. S. EPA Region 9 (Monitoring & Assessment Office)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11TOX09	LEGACY	Active	Legacy STORET Analytical Procedures	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11TOX09	ORG-001	Active	field measurements	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
211WVOWR	NITROSUM	Active	Sum of NO3NO2 and TKN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Sum of Nitrate+Nitrite and Kjeldahl Nitrogen				
211WVOWR	UNAMM1	Active	Calculate un-Ionized Ammonia	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Calculate Un Ionized Ammonia from concentrarions of Total Ammonia, mg/l and Water Tempereure, Degrees Celsius, and pH, SU by the following formaula. $UNAMM = 1000 * (1.2 * (Total\ Ammonia) / (1 + 10^{** (pka - pH)}))$ $pka = 0.0902 + 2730 / (273.2 + Temp(DegC))$ Unit is in ug/l				
211WVOWR	WILDLIFE	Active	Notes & Observations on Wildlife	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
211WVOWR	WVFLOW01	Active	Field Measurements of Stream Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
211WVOWR	WVFLOW02	Active	Streamflow Data taken from U.S. Geological Survey Gaging Sites	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Record Median Flow, Stage, and Flow from nearest U.S. Geological Survey Gaging Sites above or below the Sampling Site on Date and Time of Sampling.				
211WVOWR	WVVISUAL 01	Active	Visual Sightings of Stream Conditions	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Human Eye	
APHA	2310	Active	Acidity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2530-B	Active	Particulate Floatables in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3112-B	Active	Mercury in Water by CVAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Cold Vapor Atomic Absorption Spectrophotometer	
APHA	3500-CR(C)	Active	Chromium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
APHA	3500-CR(D)	Active	Total Hexavalent Chromium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(D)	Active	Cyanide in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(E)	Active	Ammonia in Water by Selective Electrode Method (Known Addition)	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO3(B)	Active	Nitrate in Water by Ultraviolet Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ultraviolet Spectrophotometer	
APHA	4500-NO3(D)	Active	Nitrate in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO3(E)	Active	Nitrate in Water- Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-NOR(C)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	5310-D	Active	Total Organic Carbon in Water- Wet-Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
NIOSH	2510	Active	1-Octanethiol by GC/FPD	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	
NIOSH	2540	Active	Organics by HPLC/UV	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	High Performance Liquid Chromatograph	
USEPA	1	Active	Beta Activity in Airborne Particulates	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Beta Gas Proportional Detector	
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	120.1_M	Active	Conductivity in Industrial Waste	USEPA, 19--, CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	Conductivity Meter	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1652	Active	Oil and Grease	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	202.1	Active	Aluminum by FLAA			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	202.2	Active	Aluminum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	204.2	Active	Antimony by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	210.1	Active	Beryllium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	219.2	Active	Cobalt by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.1_M	Active	Iron by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	236.2	Active	Iron by GFAA	USEPA, 1983, Methods for Chemical Analysis of	Graphite Furnace	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Atomic Absorption Spectrophotometer	
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	246.1	Active	Molybdenum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
					er		
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	270.2_M	Active	Selenium by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	270.3	Active	Selenium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	282.2	Active	Tin by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	283.2	Active	Titanium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	286.2	Active	Vanadium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	305.2	Active	Acidity by Titration Using a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric	USEPA, 1983, Methods for Chemical Analysis of	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Analysis II	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	340.1	Active	Total Fluoride by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	340.3	Active	Fluoride in Water by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(C)	Active	Ammonia Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(B)	Active	Total Kjeldahl Nitrogen - Nesslerization	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.1	Active	Mid-Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.2	Active	Low Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Red Detector	
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	
USEPA	425.1	Active	Methylene Blue Active Substances	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270B(W)	Active	Semivolatile Organics in Water by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(S)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	9040A	Active	pH in Water by Electrometric	USEPA, 1994, Test Methods for Evaluating Solid	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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211WVOWR

Division of Water and Waste Management

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Measurement	Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II		
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21AQ Commonwealth Northern Mariana Islands						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21AQ	CNMI-001	Active	Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21AQ	CNMI-002	Active	Dissolved Oxygen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21AQ	CNMI-003	Active	Waether measurements	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21AQ	CNMI-004	Active	Tide and Sea Stage	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21AQ	CNMI-005	Active	Water temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
IDEXX	ENTEROLE RT	Active	Enterolert Quanti-Tray; Multi Tube, Multi Well, for Enterococci	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
IDEXX	ENTEROLE RT2000	Active	Enterolert Quanti-Tray/2000; Multi Tube, Multi Well, for Enterococci	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)		

Field/Lab Analytical Procedures and Equipment Detail

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21AQ

Commonwealth Northern Mariana Islands

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Indoxyl-B-D-Glucoside Agar (mEI)	(September 2002), USEPA, EPA 821-R-02-022		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	305.2	Active	Acidity by Titration Using a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	9132	Active	Total Coliform by Membrane Filter	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Optical Microscope	
USEPA	9200	Active	Nitrate in Water by Spectrophotometry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Spectrophotometer	
USEPA	9250	Active	Chloride by Automated Colorimetry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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21ARIZ Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21ARIZ	ASTM D3977	Active	ASTM D3977	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	BART TEST	Active	BART TEST (PRESENTS/ABSENCE)	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	BLS-21	Active	BLS-21	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
	Description		HARDNESS, CALCULATED			
21ARIZ	BLS-256	Active	BLS-256	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
	Description		SUSPENDED SEDIMENT CONCENTRATION			
21ARIZ	CALCULATION	Active	LABORTORY CALCULATION	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	COLILERT	Active	COLILERT	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 1630	Active	EPA 1630	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 1631 APP	Active	EPA 1631 APP	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE		

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21ARIZ Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				LABORTORY, UNKNOWN		
21ARIZ	EPA 1631E	Active	MERCURY - TOTAL & DISSOLVED - CLEAN HANDS	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 200.7/208.1	Active	TOTAL BARIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 200.7/213.3	Active	EPA 200.7/213.3	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 200.7/215.1	Active	TOTAL CALCIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 200.7/236.1	Active	TOTAL IRON	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 200.7/242.1	Active	TOTAL MAGNESIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 200.7/243.1	Active	MANGANESE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 200.7/273.1	Active	TOTAL SODIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		

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21ARIZ Arizona Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21ARIZ	EPA 200.7/6010	Active	EPA 200.7/6010	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 200.9 MOD	Active	EPA 200.9 MOD	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 220.7/236.1	Active	EPA 220.7/236.1	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 220.7/242.1	Active	EPA 220.7/242.1	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 245.1/7470	Active	EPA 245.1/7470	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 351.3	Active	TOTAL KJELDAHL NITROGEN (AS N)	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 365.2A	Active	TOTAL PHOSPHATE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 365.3 MOD	Active	EPA 365.3 MOD	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		

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21ARIZ Arizona Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21ARIZ	EPA 601/602	Active	VOLATILE ORGANIC COMPOUNDS	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 8021B	Active	EPA 8021B	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	FIELD	Active	ADEQ FIELD PROCEDURES	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 2320B	Active	SM 2320B	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 2340 B	Active	SM 2340 B	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 2580(MOD)	Active	STANDARD MEHTOD 2580 (MODIFIED)	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 3112	Active	STANDARD MEHTOD 3112	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 3500 MOD	Active	SM 3500 MOD	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 407C	Active	TOTAL CHLORIDE IN	ARIZONA STATE LABORTORY METHODS AND		

Field/Lab Analytical Procedures and Equipment Detail

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21ARIZ Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			WATER	PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500	Active	STANDARD METHOD 4500	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500 CN	Active	STANDARD METHOD 4500 CN (CYANIDE)	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500 N-O, C	Active	STANDARD METHOD 4500 N-O, C	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500-N C	Active	STANDARD METHOD 4500-N C	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500-P BE	Active	STANDARD METHOD 4500-P BE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500-S	Active	(=SM 4500-S2) SULFIDE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500-S-C,D	Active	SM 4500-S-C,D	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500NO3	Active	STANDARD METHOD 4500 NO3	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER		

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Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500SO4(M OD)	Active	STANDARD MEHTOD 4500SO4 (MODIFIED)	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	STD METH 407C	Active	TOTAL CHLORIDE WATER	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SW846	Active	SW846	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	UNKNOWN	Active	UNKNOWN	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	WALKLEY BLACK	Active	WALKLEY BLACK	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Laboratory Balance	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3112-B	Active	Mercury in Water by CVAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Cold Vapor Atomic Absorption Spectrophotometer	
APHA	3114-C	Active	Metals in Water by Continuous HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Hydride Atomic Absorption Spectrophotometer	
APHA	3500-CR(D)	Active	Total Hexavalent Chromium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-FE(D)	Active	Iron in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-CL(D)	Active	Residual Chlorine in Water by Titration- Amperometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Ion Selective Electrode	

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Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(E)	Active	Nitrate in Water- Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-NOR(C)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-SO4(E)	Active	Sulfate by Turbidimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Turbidimeter	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-F	Active	Escherichia coli, Multi-tube	American Public Health Association, 1998,		

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Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Fermentation Technique	Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1603	Active	Escherichia coli in Water by	USEPA, 2002, Method 1603: Escherichia coli (E.		

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Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	coli) in Water by Membrane Filtration Using Modified membrane-Thermotolerant Escherichia coli Agar (Modified mTEC) (September 2002), USEPA, EPA 821-R-02-023		
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	1638	Active	Trace Elements in Water by ICP/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Inductively Coupled Plasma Spectrophotometer	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	204.2	Active	Antimony by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	208.1_M	Active	Barium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	215.1_M	Active	Calcium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	219.1	Active	Cobalt by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of	Flame Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Absorption Spectrophotometer	
USEPA	236.1_M	Active	Iron by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	242.1_M	Active	Magnesium by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1_M	Active	Manganese by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of	Cold Vapor	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Atomic Absorption Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	246.2	Active	Molybdenum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	273.1_M	Active	Sodium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotomet	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	er	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(A)	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.4	Active	Total Kjeldahl Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Colorimeter	

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				USEPA, EPA 600/R-93-100		
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Mass Spectrophotome	
USEPA	602	Active	Purgeable Aromatics in Wastewater by GC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Photoionization Detector	
USEPA	7199	Active	Hexavalent Chromium in Water by IC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Ion Chromatograph	
USEPA	7421	Active	Lead by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21ARIZGW	100	Active	STATE LAB-VOLATILE PRIORITY POLLUTANT ANALYSIS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	401	Active	RADIOCHEMICAL ANALYSIS METHOD 401	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	403	Active	EPA 403	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	417	Active	RADIOCHEMICAL ANALYSIS METHOD 417	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	419	Active	RADIOCHEMICAL ANALYSIS METHOD 419	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	600/00-02	Active	GROSS ALPHA ACTIVITY METHOD 600/00-02	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	600/00-02	Active	GROSS ALPHA ACTIVITY METHOD 600/00-02	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	7500-RN	Active	RADIOCHEMICAL ANALYSIS METHOD 7500-RN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	900	Active	GROSS BETA ACTIVITY	ARIZONA STATE LABORATORY METHODS		

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			METHOD 900	AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	900	Active	GROSS BETA ACTIVITY METHOD 900	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	9056	Active	anion chromatography	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
	Description		anion chromatography			
21ARIZGW	9221-D	Active	METHOD 9221-D TOTAL COLIFORM BACTERIA (P/A)	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	9221-E	Active	METHOD 9221-E TECAL COLIFORM BACTERIA	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	999	Active	RADIOCHEMICAL ANALYSIS METHOD 999	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	AB	Active	RADIONUCLIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	AM 15	Active	GAS CONCENTRATIONS OF THE DISSOLVED GASSES IN WATER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	AM 15	Active	GAS CONCENTRATIONS OF THE DISSOLVED GASSES IN WATER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	AM18G	Active	ANALYSIS OF C1-C4 HYDROCARBONS IN WATER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	AM18G	Active	ANALYSIS OF C1-C4 HYDROCARBONS IN WATER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	AM20GAX	Active	GAS CONCENTRATIONS OF THE DISSOLVED GASSES IN WATER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	BLS 208	Active	CHLORINATED PESTICIDE SCREEN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	BLS 228	Active	CUSTOM GC/MS SCREEN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	BLS-182	Active	MULTIELEMENT METALS SCREEN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	BLS-21	Active	HARDNESS, CALCULATED	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	BLS-218	Active	GWPL PESTICIDES	ARIZONA STATE LABORATORY METHODS		

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				AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	CALCULATION	Active	LABORATORY CALCULATION	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	CARBAMATE METHO	Active	ADA-PESTICIDES BY GC/MS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	CARBAMATE METHO	Active	ADA-PESTICIDES BY GC/MS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	CASRL/MOD 300.0	Active	PERCHLORATE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	COLIFORM	Active	COLIFORM - LAKE HAVASU	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	COLILERT	Active	COLILERT (EDBERG)	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	CU200.7	Active	TOTAL COPPER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	CUSTOM CHLOROP	Active	(DDT, DDE DDD) PARAMETERS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER		

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			DETECTED/IDENTIFIED	QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	CUSTOM GC/MS	Active	PARAMETERS DETECTED/IDENTIFIED BY CUSTOM GC/MS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	DHG-NEL 8473.00	Active	DISSOLVED HYDROCARBON GASES IN WATER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 120.1	Active	SPECIFIC CONDUCTIVITY	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 130.2	Active	TOTAL HARDNESS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 150.1	Active	PH-LAB	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 160.1	Active	TOTAL FILTRATABLE RESIDUE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 160.2	Active	TOTAL NONFILTRATABLE RESIDUE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 160.4	Active	TOTAL RESIDUE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE		

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				LABORATORY, UNKNOWN		
21ARIZGW	EPA 170.1	Active	EPA 170.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 180.1	Active	NTU TURBIDITY	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 200.7	Active	METALS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 200.7/208.1	Active	TOTAL BARIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 200.7/213.3	Active	TOTAL BORON	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 200.7/215.1	Active	TOTAL CALCIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 200.7/236.1	Active	TOTAL IRON	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 200.7/242.1	Active	TOTAL MAGNESIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	EPA 200.7/243.1	Active	MANGANESE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 200.7/273.1	Active	TOTAL SODIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 200.7/6010	Active	EPA 200.7/6010	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 200.8	Active	METALS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 200.9	Active	TOTAL ANTIMONY, ARSENIC, AND SELENIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 202.1	Active	TOTAL ALUMINUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 204.2	Active	TOTAL ANTIMONY	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 206.2	Active	TOTAL ARSENIC	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	EPA 206.2/7060	Active	EPA 206.2/7060	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 206.3	Active	TOTAL ARSENIC	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 208.1	Active	EPA 208.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 210.1	Active	EPA 210.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 210.2	Active	TOTAL BERYLLIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 213.1	Active	EPA 213.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 213.2	Active	TOTAL CADMIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 213.2/7131	Active	EPA 213.2/7131	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 215.1	Active	EPA 215.1	ARIZONA STATE LABORATORY METHODS		

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				AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 218.1	Active	EPA 218.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 218.2	Active	CHROMIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 219.2	Active	TOTAL COBALT	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 220.1	Active	TOTAL COPPER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 220.1/220.2	Active	TOTAL COPPER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 220.2	Active	TOTAL COPPER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 220.7/236.1	Active	DISSOLVED IRON	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 220.7/242.1	Active	DISSOLVED MAGNESIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER		

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				QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 236.1	Active	EPA 236.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 239.2	Active	TOTAL LEAD	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 239.2/7421	Active	EPA 239.2/7421	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 242.1	Active	EPA 242.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 243.1	Active	EPA 243.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 245.1	Active	TOTAL MEMORY	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 245.1	Active	TOTAL MEMORY	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 245.1/7470	Active	EPA 245.1/7470	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE		

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				LABORATORY, UNKNOWN		
21ARIZGW	EPA 246.2	Active	TOTAL MOLYBDENUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 249.1	Active	TOTAL NICKEL	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 258.1	Active	TOTAL POTASSIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 270.2	Active	TOTAL SELENIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 270.2/7740	Active	EPA 270.2/7740	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 272.1	Active	EPA 272.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 272.2	Active	TOTAL SILVER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 273.1	Active	SODIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	EPA 279.2	Active	TOTAL THALLIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 279.2/7841	Active	EPA 279.2/7841	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 282.1	Active	TOTAL TIN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 286.2	Active	EPA METHOD 286.2	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 289.1	Active	TOTAL ZINC	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 300	Active	ANIONS BY ION CHROMATOGRAPHY	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 300.0	Active	EPA 300 METHOD	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 305	Active	EPA METHOD 305 COLIFORM BACTERIA	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	EPA 310.1	Active	ALKALINITY, TOTAL & PHENOLPHTHALEIN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 325.2	Active	CHLORIDE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 325.3	Active	CHLORIDE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 335.1	Active	EPA 335.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 335.2	Active	CYANIDE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 335.3	Active	CYANIDE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 335.4	Active	EPA 335.4	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 340.2	Active	TOTAL FLUORIDE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 350.1	Active	NITROGEN, AMMONIA,	ARIZONA STATE LABORATORY METHODS		

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			TOTAL (AS N)	AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 350.2	Active	EPA 350.2	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 350.3	Active	AMMONIA, TOTAL	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 351.1	Active	EPA 351.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 351.2	Active	NITROGEN, KJELDAHL, TOTAL (AS N)	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 351.3	Active	NITROGEN, KJELDAHL, TOTAL (AS N)	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 351.4	Active	EPA 351.4	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 3510/8015 M	Active	EXTRACTABLE FUEL HYDROCARBONS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 3510/8081A	Active	EPA 3510/8081A	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER		

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				QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 3510/8081A	Active	EPA 3510/8081A	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 3510/8082	Active	EPA 3510/8082	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 3510/8082	Active	EPA 3510/8082	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 353.2	Active	NITRITE PLUS NITRATE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 353.2T	Active	NITRATE PLUS NITRITE TOTAL	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 353.3	Active	EPA 353.3	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 354.1	Active	NITRITE NITROGEN TOTAL	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 360.1	Active	EPA 360.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE		

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				LABORATORY, UNKNOWN		
21ARIZGW	EPA 365.2	Active	EPA 365.2	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 365.2	Active	EPA 365.2	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 365.2A	Active	TOTAL PHOSPHATE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 365.3	Active	TOTAL PHOSPHORUS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 365.3 MOD	Active	EPA 365.3 MOD	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 365.4	Active	TOTAL PHOSPHORUS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 375.2	Active	TOTAL SULFATE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 375.4	Active	TOTAL SULFATE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	EPA 375.4	Active	TOTAL SULFATE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 376.1	Active	EPA 376.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 405.1	Active	EPA 405.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 410.4	Active	EPA 410.4	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 415.1	Active	EPA 415.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 415.2	Active	TOTAL ORGANIC CARBON	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 418.1	Active	HYDROCARBON IN WATER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 420.1	Active	EPA 420.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	EPA 425.1	Active	EPA 425.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 502.2	Active	SDW VOC	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 503.1	Active	EPA 503.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 5030B	Active	VOC	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 504	Active	EDP AND DBCP	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 504.1	Active	ETHYLENE DIBROMIDE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 507	Active	EPA 507	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 508	Active	ORGANOCHLORINE PESTICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 515	Active	SDW HERBICIDES	ARIZONA STATE LABORATORY METHODS		

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				AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 515.1	Active	HERBICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 524.2	Active	EPA 524.2	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 525.2	Active	EPA 525.2	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 525.ML	Active	EPA 525 ML	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 531.1	Active	CARBAMATE PESTICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 601	Active	EPA 601	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 601/602	Active	VOC	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 601/602	Active	VOC	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER		

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				QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 601/8010	Active	HALOGENATED VOLATILE ORAGANICS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 6010	Active	EPA 6010	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 6010B	Active	EPA 6010B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 602	Active	EPA 602	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 602/8020	Active	EPA 602/8020	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 603	Active	EPA 603	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 604	Active	EPA 604	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 605	Active	BENZIDINES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE		

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				LABORATORY, UNKNOWN		
21ARIZGW	EPA 605	Active	BENZIDINES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 606	Active	PHTHALATE ESTERS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 607	Active	EPA 607	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 608	Active	ORGANOCHLORINE PESTICIDES/PCB	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 609	Active	EPA609	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 610	Active	POLYNUCLEAR AROMATIC HYRDOCARBONS, PFLC-UV/FLUOR, XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 611	Active	HALOETHERS, GC-HALL, XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 612	Active	CHLORINATED HYDROCARBONS, GC-ECD, XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	EPA 613	Active	2,3,7,8-TETRACHLORIODIBENZO-P-DIOXIN, GC/MS, XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 614	Active	ORGANOPHOSPHAE PESTICIDES, GC-FPD OR NPD, XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 615	Active	CHLORINATED HERBICIDES (EPA METHOD 615)	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 617	Active	ORGANOHALIDE PESTICIDES AND PCB'S, GC-ECD, XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 619	Active	TRIAZINE PESTICIDES, GC-NPD, XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 622	Active	ORGANOPHOSPHATE PESTICIDES, GC-FPD, XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 624	Active	VOLATILE ORGANICS, GC/MS, P&T	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 625	Active	SEMI-VOLATILE ORGANICS, GC/MS,XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	EPA 630	Active	DITHIOCARBAMATE PESTICIDES, COLORIMETRIC, CS2 LIBERATION	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 632	Active	CARBAMATES AND UREA PESTICIDES, HPLC-UV, XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 7041	Active	EPA 7041	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 7041	Active	EPA 7041	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 7060A	Active	EPA 7060A	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 7091	Active	BERYLLIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 7196	Active	EPA 7196	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 7421	Active	LEAD	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 7470A	Active	EPA 7470A	ARIZONA STATE LABORATORY METHODS		

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				AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 7740	Active	EPA 7740	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 7841	Active	EPA 7841	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 7841	Active	EPA 7841	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8010	Active	HALOGENATED VOLATILE ORGANICS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8010/8020	Active	HALOGENATED VOLATILE ORGANICS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8015	Active	NON-HALOGENATED VOLATILE ORGANICS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8015M	Active	NON-HALOGENATED VOLATILE ORGANICS-MODIFIED	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8015M	Active	NON-HALOGENATED VOLATILE ORGANICS-	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER		

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			MODIFIED	QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8020	Active	AROMATIC VOLATILE ORGANICS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8021	Active	EPA 8021	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8021	Active	EPA 8021	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8021A	Active	EPA 8021A	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8021B	Active	EPA8021B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8030	Active	ACROLEIN, ACRYLONITRILE, ACETONITRILE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8040	Active	PHENOLS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8060	Active	PHTHALATE ESTERS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE		

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				LABORATORY, UNKNOWN		
21ARIZGW	EPA 8080	Active	ORGANOCHLORINE PESTICIDES + PCB'S	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8090	Active	NITROAROMATICS AND CYCLIC KETONES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8120	Active	CHLORONATED HYDROCARBONS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8140	Active	ORGANOPHOSPHORUS PESTICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8141	Active	EPA 8141	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8141	Active	EPA 8141	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8141A	Active	EPA 8141A-ORGANOPHOSPHORUS PESTICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8141A	Active	EPA 8141A-ORGANOPHOSPHORUS PESTICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	EPA 8150	Active	CHLORINATED HERBICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8151	Active	EPA 8151	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8151	Active	EPA 8151	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8240	Active	VOLATILE ORGANICS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8260	Active	VOLATILE ORGANICS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8260A	Active	EPA8260A	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8260B	Active	EPA 8260B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8270	Active	SEMI-VOLATILE ORGANICS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	EPA 8270 MODIFI	Active	SEMI-VOLATILE ORGANICS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8270A	Active	PESTICIDES BY GS/MS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8270A	Active	PESTICIDES BY GS/MS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8270C	Active	SEMI-VOLATILE ORGANICS BY GC/MS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 8310	Active	POLYNUCLEAR AROMATIC HYDROCARBONS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 900.0	Active	EPA 900.0	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 903.0	Active	EPA 903.0	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 903.0/901.1	Active	EPA 903.0/901.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 9040	Active	EPA 9040	ARIZONA STATE LABORATORY METHODS		

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				AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 9040	Active	EPA 9040	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA 913.0	Active	TOTAL RADON IN WATER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA M2340B	Active	EPA M2340B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	EPA/CLP EPA 625	Active	SEMI-VOLATILE ORGANICS, GC/MS, XTN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	ERI SOP	Active	LOW CONCENTRATIONS OF GERMANIUM IN WATER (ERI)	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	FIELD	Active	FIELD PARAMETERS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	GC/MS METHOD	Active	ADA-PESTICIDES BY GS/MS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	GC/MS METHOD	Active	ADA-PESTICIDES BY GS/MS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER		

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				QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	GFAA	Active	GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROPHOTOMETRY	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	GFAA	Active	GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROPHOTOMETRY	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	GWPL CARBAMATES	Active	GWPL CARBAMATES BY GC/HPLC	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	GWPL HERBICIDES	Active	GWPL HERBICIDES BY GC/ECD	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	GWPL-CARB	Active	GWPL CARBAMATES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	GWPL-HERB	Active	GWPL HERBICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	GWPL-PEST	Active	GWPL PESTICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	H8190	Active	INORGANIC METHOD FOR TOTAL PHOSPHOROUS (AS P MG/L)	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE		

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				LABORATORY, UNKNOWN		
21ARIZGW	HACH8000	Active	FIELD TEST KIT WITH CONCENTRATIONS BASED ON A COLOR WHEEL	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	HACH8000	Active	FIELD TEST KIT WITH CONCENTRATIONS BASED ON A COLOR WHEEL	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	ISOTOPIC ANALYS	Active	ISOTOPIC ANALYSIS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	ISOTOPIC ANALYS	Active	ISOTOPIC ANALYSIS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	LUCAS CELL	Active	LUCAS LABS METHOD OF ANALYZING RADON	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	METHOD BAT	Active	METHOD BAT	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	MOD EPA 300.0	Active	PERCHLORATE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	MOD. EPA 3810	Active	MOD. EPA 3810	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	MOD. EPA 3810	Active	MOD. EPA 3810	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	MOD. EPA 8015	Active	VOLATILE FUEL HYDROCARBONS (MOD. EPA 8015)	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	MOD. EPA 8015/8	Active	VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	MODIF.EPA 531.1	Active	BARBAMATE PESTICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	MOHAVE PESTICID	Active	MOHAVE SUITE PESTICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	NOT REPORTED	Active	NOT REPORTED ON LAB SHEET	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	ORGANO-HG	Active	ORGANO-HG METHOD FOR MERCURY	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	PESTICIDE S SW 8	Active	PESTICIDES SW 846 METHOD 3510, SW 846 METHOD 8270	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW	RA	Active	RADIUM-226 & RADIUM-228	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	RADIONUC LIDE	Active	RADIONUCLIDE ANALYSIS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	RSKSOP-175	Active	ETHANE, ETHYLENE, AND METHANE ANALYSIS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	RSKSOP-175M	Active	METHANE ANALYSIS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 10200 H	Active	STANDARD METHOD FOR 10200H	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 2320 B	Active	STANDARD METHOD 2320 B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 2320B	Active	SM 2320B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 2340 B	Active	STANDARD METHOD 2340 B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 2510 B	Active	CONDUCTIVITY	ARIZONA STATE LABORATORY METHODS		

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			LABORATORY METHOD	AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 2540 C	Active	TOTAL DISSOLVED SOLID DRIED AT 180 DEGREES C	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 2540C	Active	STANDARD METHOD 2540	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 2580B	Active	STANDARD METHOD 2580B (REDOX)	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 3112	Active	STANDARD METHOD 3112	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 3112 B	Active	STANDARD METHOD COLD VAPOR ATOMIC ABSORPTION SPEC	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 3500	Active	STANDARD METHOD 3500	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 3500 CR D	Active	STANDARD METHOD 3500 CR D	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 403	Active	SM 403	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER		

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				QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 407C	Active	TOTAL CHLORIDE IN WATER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500	Active	STANDARD METHOD 4500	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500 C	Active	STANDARD METHOD 4500 C	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500 CL D	Active	STANDARD METHOD 4500 FOR CHLORIDE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500 CN	Active	STANDARD METHOD 4500 CN (CYANIDE)	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500 CO2	Active	STANDARD METHOD 4500-CO2	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500 F-C	Active	STANDARD METHOD 4500 FOR FLUORIDE /ION ELECTRODE M	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500 N-O, C	Active	STANDARD METHOD 4500 N-O, C	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE		

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21ARIZGW

Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				LABORATORY, UNKNOWN		
21ARIZGW	SM 4500 NO2-B	Active	STANDARD METHOD 4500 NO2-B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500-N C	Active	STANDARD METHOD 4500-N C	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500-NH3 BE	Active	STANDARD METHOD 4500-NH3 BE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500-NH3 BE	Active	STANDARD METHOD 4500-NH3 BE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500-NH3F	Active	STANDARD METHOD 4500-NH3F	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500-P BE	Active	STANDARD METHOD 4500-P BE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500-S-C,D	Active	TOTAL SULFIDE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 4500NO3	Active	STANDARD METHOD 4500 NO3	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21ARIZGW	SM 4500NO3 E	Active	STANDARD METHOD 4500 NO3 E	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 5220 C	Active	STANDARD METHOD 5220 C	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 5220 C	Active	STANDARD METHOD 5220 C	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 5310 C	Active	STANDARD METHOD 5310 C	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 5310 C	Active	STANDARD METHOD 5310 C	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 8015M	Active	STANDARD METHOD 8015M	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 8020M	Active	STANDARD METHOD 8020M	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 8021A	Active	STANDARD METHOD 8021A	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21ARIZGW

Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21ARIZGW	SM 9222	Active	STANDARD METHOD 9222	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 9222	Active	STANDARD METHOD 9222	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 9222B	Active	STANDARD METHOD 9222B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 9222B	Active	STANDARD METHOD 9222B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 9222D	Active	STANDARD METHOD 9222D	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 9222D	Active	STANDARD METHOD 9222D	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM 9223	Active	STANDARD METHOD 9223	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM-2320	Active	STANDARD METHOD 2320	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM-2320B	Active	STANDARD METHOD FOR	ARIZONA STATE LABORATORY METHODS		

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21ARIZGW

Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			THE EXAMINATION OF WATER AND	AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SM-2540C	Active	STANDARD METHOD 2540	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SMEW&W #3500CRD	Active	STD MTHDS FOR EXAM. OF WTR & WW	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	STD METH 407C	Active	TOTAL CHLORIDE IN WATER	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SW8021A	Active	SW8021A	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SW8260B	Active	SW8260B	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	SW8310	Active	SW8310	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	U OF A	Active	ISOTOPIC ANALYSIS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	U OF A/U OF IL	Active	ISOTOPIC ANALYSIS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER		

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21ARIZGW

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	U OF IL	Active	ISOTOPIC ANALYSIS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	U-NAT	Active	NATURAL URANIUM	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	UNION CARBIDE	Active	UNION CARBIDE	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	UNKNOWN	Active	UNKNOWN	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
21ARIZGW	VARIAN MODIFIC.	Active	SPECIFIC VOC'S-DIBROMO'S	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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21AS

American Samoa Environmental Protection Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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21CABCH

Calif State Water Resources Control Board

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21CABCH	COLILERT_18	Active	COLILERT_18 to detect E. Coli	USEPA, 1993, 40 CFR Part 141, (National Primary Drinking Water Regulations), USEPA, 40CFR_141		
Description COLILERT_18 to detect E. Coli using cost method Idexx						
21CABCH	COLILERT_18_FE	Active	COLILERT_18_FECAL to detect Fecal Coliforms	USEPA, 1993, 40 CFR Part 141, (National Primary Drinking Water Regulations), USEPA, 40CFR_141		
Description COLILERT_18_FECAL to detect Fecal Coliforms using cost method Idexx						
21CABCH	COLILERT_18_TO	Active	COLILERT_18_TOTAL to detect Total Coliforms	USEPA, 1993, 40 CFR Part 141, (National Primary Drinking Water Regulations), USEPA, 40CFR_141		
Description COLILERT_18_TOTAL to detect Total Coliforms using cost method Idexx						
21CABCH	ENTEROLE RT	Active	Enterolert uses to detect Enterococcus	USEPA, 1993, 40 CFR Part 141, (National Primary Drinking Water Regulations), USEPA, 40CFR_141		
Description Enterolert uses to detect Enterococcus; cost method is idexx						
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	

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21CABCH

Calif State Water Resources Control Board

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
IDEXX	COLILERT	Active	Colilert Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
IDEXX	COLILERT-18	Active	Colilert-18 Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
IDEXX	ENTEROLE RT	Active	Enterolert Quanti-Tray; Multi Tube, Multi Well, for Enterococci	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	200.1	Active	Metals in Marine Waters by ICP/MS	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Inductively Coupled Plasma Spectrophotometer	

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21CAOCSD

Orange County Sanitation District California

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21CAOCSD	200.8 REV. B	Active	Determination of trace metals using inductively coupled plasma - mass spectrometry	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Mass Spectrometer	
21CAOCSD	245.1A	Active	Mercury analysis by cold vapor atomic spectrometric method using flow injection mercury system (FIMS)	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Atomic Absorption Spectrophotometer	
21CAOCSD	350.1B REV. A	Active	Ammonia, water quality; segmented flow procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21CAOCSD	BACTERIA	Active	BACTERIA	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
21CAOCSD	FISH01 REV. C	Active	Polychlorinated biphenyl congeners and organochlorine pesticide determination by gas chromatography / electron capture	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	GC with Electron Capture Detector	
21CAOCSD	LABS	Active	Linear Alkaline Benzene	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		Linear Alkaline Benzene			
21CAOCSD	OTTER TRAWL	Active	OTTER TRAWL FIELD SOP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21CAOCSD	PAR	Active	PAR	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006		
21CAOCSD	SED01 REV. A	Active	Polychlorinated biphenyl congeners and organochlorine pesticide determination by gas chromatography electron	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	GC with Electron Capture Detector	

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21CAOCSD

Orange County Sanitation District California

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			capture			
21CAOCSD	SED02 REV. B	Active	Polycyclic aromatic hydrocarbon determination by gas chromatography / mass spectrometry of ocean sediment	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21CAOCSD	SEDIMENT CHEM	Active	Sediment chemistry	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21CAOCSD	TOTAL COLIFORM	Active	TOTAL COLIFORM	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
21CAOCSD	VMADCP	Active	Vessel Mounted Acoustic Doppler Current Profiler	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Acoustic Flow Measuring System	
21CAOCSD	WQ	Active	Water Quality	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Seabird CTD Profiler	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	1652	Active	Oil and Grease	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Laboratory Balance	

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21COL001 Colorado Dept. of Public Health & Environment						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21COL001	APHA 4500NH3(H)	Active	APHA NH3 ANALYSIS BY FLOW INJECTION ANALYSIS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21COL001	CDPHE - TOTAL N	Active	Total Nitrogen, Automated Cadmium Reduction	CDPHE, 1996, Total Nitrogen, Automated Cadmium Reduction, CO Dept Of Public Health and Environment, Rev. 1	Colorimeter	
21COL001	CHL_A	Active	Chlorophyll a, corrected for pheophytin	CHL_A - Marker, A.F., et al., 1980, Measurement of photosynthetic pigments in freshwaters and standardization of methods. Conclusions and recommendations, Ergebnisse der Limnologie, 14:91-106		APHA/10200-H
	Description	The chlorophyll analysis is a spectrophotometric method, corrected for phaeophytin, based on hot ethanol (90% v:v) extraction of material retained on a GF/C filter.				
21COL001	HISTORIC	Active	Historic Procedure Used for Unknown Legacy Methods	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21COL001	LAKEVERT_1	Active	Vertically Intregrating Water Sampler	VERT. SAMPLE - Lewis, WM, Jr., and JF Saunders, III., 1979, Vertically integrated sampling device for lakes., Archiv fur Hydrobiologie, 85:244-249		
21COL001	METER_1	Active	Vertical Lake Profile using a multi-probe meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Hydrolab Multi Probe Handheld Instrument	
	Description	Hydrolab Datasonde				
21COL001	POT DISS METAL1	Active	Potentially Dissolved Metals Using The ICP-AES Method	Water Quality Control Commission, 1997, The Basic Standards and Methodologies for Surface Water (ICP-AES Method), CO Dept of Pub Health and Environment, 5 CCR 1002-31 Pg. 4	Inductively Coupled Plasma Spectrophotometer	USEPA/200.7(W)
21COL001	POT DISS METAL2	Active	Potentially Dissolved Metals Using The ICP/MS Method	Water Quality Control Commission, 1997, The Basic Standards and Methodologies for Surface Water (ICP/MS Method), Colorado Dept of Pub Health and Environment, 5 CCR 1002-31 Pg. 4	Inductively Coupled Plasma Combined with Mass Spectrophotome	USEPA/200.8(W)

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21COL001

Colorado Dept. of Public Health & Environment

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21COL001	RBP	Active	USEPA Rapid Bioassessment Protocols	USEPA, 1999, Rapid Bioassessment Protocols for Wadeable Streams and Rivers: Periphyton, Benthic Macroinvertebrates, and Fish, 2nd ed, USEPA, EPA 841/B-99-002		
Description Bioassessment procedures for streams						
21COL001	SECCHI_D EPTH	Active	Secchi disk transparency	SECCHI - Wetzel, R.G. and G.E. Likens, 1991, Limnological Analyses, 2nd Ed., Springer-Verlag, New York, Unknown	Secchi Disk with Calibrated Tether	
Description Secchi disc transparency method is described in RG Wetzel and GE Likens, 1991, "Limnological Analyses" second edition, Springer-Verlag, New York						
21COL001	UNIONIZED -NH3	Active	Unionized Ammonia calculated from pH, Temperature and Total Ammonia	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description The amount of unionized ammonia is calculated using the field measurements for pH and temperature and the result of the analysis for total ammonia using the formulas described in the EPA 1999 Ambient Water Quality Criteria for Ammonia on page 2.						
21COL001	UNKNOWN	Active	UNKNOWN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2130-B	Active	Nephelometric Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Titration Apparatus	

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21COL001

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-CA(B)	Active	Calcium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-CA(D)	Active	Calcium in Water by Titration Using EDTA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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21COL001

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-CL(D)	Active	Residual Chlorine in Water by Titration- Amperometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(C)	Active	Chloride in Water by Titration- Mercuric Nitrate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(D)	Active	Chloride in Water by Potentiometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Potentiometer	
APHA	4500-CN(E)	Active	Cyanide in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CN(H)	Active	Cyanides Amenable to Chlorination without Distillation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-F-E	Active	Fluoride in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		

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21COL001

Colorado Dept. of Public Health & Environment

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-SO4(D)	Active	Sulfate in Water by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	

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21COL001

Colorado Dept. of Public Health & Environment

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9221-B.1	Active	Escherichia coli Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
ASTM	D5389	Active	Open-Channel Flow Measurement by Acoustic Velocity Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Acoustic Velocity Meter	
HACH	10029	Active	m-ColiBlue24 Method of the Determination of Total Coliforms and E. coli	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	

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21COL001

Colorado Dept. of Public Health & Environment

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1603	Active	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	USEPA, 2002, Method 1603: Escherichia coli (E. coli) in Water by Membrane Filtration Using Modified membrane-Thermotolerant Escherichia coli Agar (Modified mTEC) (September 2002), USEPA, EPA 821-R-02-023		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	218.5	Active	Hexavalent Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of	Cold Vapor	

Field/Lab Analytical Procedures and Equipment Detail

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21COL001

Colorado Dept. of Public Health & Environment

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of	Colorimeter	

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21COL001

Colorado Dept. of Public Health & Environment

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	376.2	Active	Sulfide by Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	9041A	Active	pH using Paper	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Generic inspection-related equipment(eg color charts)	

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21DCBAWQ

District of Columbia Dept of Health, Water Quality Division

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21DCBAWQ	2100	Active	Turbidity in water in NTU	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Field/Laboratory Test Kit	APHA/2130
21DCBAWQ	WQD-001	Active	field Hydrolab determination of WTemp with probe	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21DCBAWQ	WQD-002	Active	field Hydrolab determination of PH with probe	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	CTD Vertical Profiler - Multi Probe	
21DCBAWQ	WQD-003	Active	field Hydrolab determination of DO with probe	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	CTD Vertical Profiler - Multi Probe	
21DCBAWQ	WQD-004	Active	Field Hydrolab determination of conductivity with probe	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	CTD Vertical Profiler - Multi Probe	
21DCBAWQ	WQD-005	Active	Field measurement of Transparency with Secchi Disk	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21DCBAWQ	WQD-006	Active	Field station visit weather observation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21DCBAWQ	WQD-007	Active	Field code for Wave state and Height	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21DCBAWQ	WQD-008	Active	Akalinity in water, Titrimetric, PH 4.6	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Glass Buret	APHA/2320
21DCBAWQ	WQD-009	Active	Turbidity of water in NTU	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Field/Laboratory Test Kit	
21DCBAWQ	WQD-010	Active	Chlorophyll "a" ,	American Public Health Association, 1992,		

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21DCBAWQ

District of Columbia Dept of Health, Water Quality Division

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			monochromatic corrected	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21DCBAWQ	WQD-011	Active	Pheophytin "a" , ug/l	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21DCBAWQ	WQD-012	Active	Field In-Site Specific Conductance	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	CTD Vertical Profiler - Multi Probe	
21DCBAWQ	WQD-013	Active	Hardness in water by Titrimetric, EDTA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21DCBAWQ	WQD-014	Active	Field secchi disk, transparency , meters	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21DCBAWQ	WQD-015	Active	Orthosphate in water by colorimetric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
21DCBAWQ	WQD-016	Active	Total Dissolved Phosphorus in water by colorimetric, block digester	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
21DCBAWQ	WQD-017	Active	Total Phosphorus in water by colorimetric, block digester	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
21DCBAWQ	WQD-018	Active	Total Organic Carbon combustion infrared method	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-019	Active	Dissolved Organic Carbon, combustion infrared method	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-020	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public		

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District of Columbia Dept of Health, Water Quality Division

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
21DCBAWQ	WQD-021	Active	Total Non-filterable Residue	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21DCBAWQ	WQD-022	Active	Ammonia in water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-023	Active	Total Kjeldahl Nitrogen whole water, semi-block degestor	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-024	Active	Nitrate Nitrogen in water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-025	Active	Nitrite Nitrogen in water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-026	Active	Nitrate Plus Nitrite Nitrogen in water by colorimetric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-027	Active	Silica in water by colorimetric	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21DCBAWQ	WQD-028	Active	Selenium in water by ICP/MS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-029	Active	Lead in water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-030	Active	Mercury in water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-031	Active	Cadmium in water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-032	Active	Copper in water	USEPA, 1983, Methods for Chemical Analysis of		

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21DCBAWQ

District of Columbia Dept of Health, Water Quality Division

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-033	Active	Chromium in water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-034	Active	ZINC/ZN, in water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-035	Active	Iron/FE, in water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-036	Active	Arsenic/AS in water, dissolved	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-037	Active	Sulfate in water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21DCBAWQ	WQD-038	Active	Total coliform-MPN	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21DCBAWQ	WQD-039	Active	Fecal Coliform-MPN	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21DCBAWQ	WQD-040	Active	Total Coliform-membrane	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21DCBAWQ	WQD-041	Active	Fecal Coliform-Membrane	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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21DCBAWQ

District of Columbia Dept of Health, Water Quality Division

Procedure
Source

Procedure
ID

Status

Procedure
Name

Citation

Equipment

Comparable
National
Procedure ID

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21DEBCH

Delaware Department of NREC

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21DEBCH	150.1	Active	pH	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
Description field pH						
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	

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21FLA FL Dept. of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLA	100300 D.1	Active	Particle Distribution	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLA	2520 B	Active	Salinity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	STD Vertical Profiler - Multi Probe	
21FLA	310.1	Active	Alkalinity	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLA	360.1	Active	Dissolved Oxygen Probe	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	STD Vertical Profiler - Multi Probe	
21FLA	EPA 415.1	Active	Total Organic Carbon	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
21FLA	EPA600/9-78-018	Active	EPA 600/9-78-018 (mod.) Potential algal growth determination	Florida Department of Environmental Protection, 2004, Standard Operation Procedures for Field Activities---DEP-SOP-001/01, Bureau of Laboratories Environmental Assessment Section, 1-999		
21FLA	FT1700	Active	SECCHI DEPTH	Florida Department of Environmental Protection, 2004, Standard Operation Procedures for Field Activities---DEP-SOP-001/01, Bureau of Laboratories Environmental Assessment Section, 1-999		
Description SECCHI DEPTH MEASUREMENT						
APHA	10200-F	Active	Phytoplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-G	Active	Zooplankton Counting	American Public Health Association, 1992,	Optical	

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21FLA		FL Dept. of Environmental Protection				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Techniques	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Microscope	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

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21FLA		FL Dept. of Environmental Protection				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotomet er	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

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21FLA	FL Dept. of Environmental Protection					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	340.2_M	Active	Fluoride with an Ion Selective Electrode	USEPA, 19--., CLP SOW for Inorganics Analysis- LC_INORGANICS, USEPA, LC_INORGANICS	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection- related equipment(eg color charts)	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra- Red Detector	

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21FLACEP

Alachua County Environmental Protection Department (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLACEP	300.0	Active	Fluorides by ion chromatography (EPA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLACEP	FLOW	Active	Determination of flow velocity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLACEP	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description 351.2+353.2					
21FLACEP	TURB	Active	Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform	American Public Health Association, 1992,	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLACEP

Alachua County Environmental Protection Department (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Group Density, Multi-tube Fermentation Technique	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9222-E	Active	Fecal Coliform- Delayed-Incubation Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with	

Field/Lab Analytical Procedures and Equipment Detail

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21FLACEP

Alachua County Environmental Protection Department (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLACEP

Alachua County Environmental Protection Department (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270B(W)	Active	Semivolatile Organics in Water by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass	

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21FLACEP

Alachua County Environmental Protection Department (Florida)

Procedure
Source

Procedure
ID

Status

Procedure
Name

Citation

Equipment

Comparable
National
Procedure ID

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21FLANER

Apalachicola National Estuarine Research Reserve (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLANER	ANERR-LAB1	Active	NH4F	Environmental Protection, 1980, Bower and Holm-Hansen, Can. J. Fish, Aquat. Sci, USEPA, EPA-37-pp-794-798		
21FLANER	ANERR-LAB2	Active	NO23F	Environmental Protection, 1989, model 42 chemiluminescence analyzer and Braman, R.S. and S. A. Hendrix. Nanogram Nitrite and Nitrate determination in en, USEPA, EPA-61-PP-2715-2718		
21FLANER	ANERR-LAB3	Active	NO3F	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLANER	ANERR-LAB4	Active	TURB	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLANER	ANERR-LAB5	Active	DIN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Calculation				
21FLANER	ANERR-LAB6	Active	LAB6	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLANER	ANERR-LAB7	Active	CHLA_N	Environmental Protection, 1963, Parsons and Strickland, J. Marine Res and from A Practical Handbook of Seawater Analysis, Pigment Analysis., USEPA, EPA-21-P-155/Chap-IV		
21FLANER	ANERR-LAB8	Active	PO4F Determination	Adapted from EPA Standard Method, ?, Adapted from EPA Standard Method, EPA Standard Methods, ?		
21FLANER	ANERR-LAB9	Active	NO2F Determination	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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21FLAVON

Avon Park Air Force Range - 18 ASOG DET 1 OL A/CEV

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLAVON	HORIBA	Active	APAFR TMDL Study Field Parameters Collection Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	YSI Multi Probe Handheld Instrument	
21FLAVON	PYGMY	Active	APAFR TMDL Study Flow Velocity Collection Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLAVON

Avon Park Air Force Range - 18 ASOG DET 1 OL A/CEV

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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21FLBFA FL Dept. of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLBFA	ENT	Active	Enterococci Analysis	USEPA, 1997, Method 1600: Membrane Filter test Method for Enterococci in Water., USEPA, EPA 821/R-97-004		
21FLBFA	SECCHI	Active	Secchi Depth Measurement	USEPA, 1997, Volunteer Stream Monitoring: A Methods manual., USEPA, EPA 841/B-97-003	Human Eye	
21FLBFA	SM10200H MOD	Active	Chlorophyll A and Phaeophytin, Monchromatic, Water	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLBFA	STANDARD METH	Active	Standard Methods for the Examination of Water and Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLBRA Biological Research Associates (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLBRA	300.0_28D	Active	Chloride, Sulfate, and Fluoride by Ion Chromatography	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLBRA	8081/8082(W)	Active	Organochlorine Pesticides and PCBs/PCBs as Aroclors by Capillary Column GC	USEPA, 19--, Synthetic Organic Chemicals and Inorganic Chemicals; Monitoring for Unregulated Contaminants., USEPA, 56FR3526		
21FLBRA	FT 1100	Active	Field Measurement of Hydrogen Ion Activity (pH)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLBRA	FT 1200	Active	Field Measurement of Specific Conductance (Conductivity)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLBRA	FT 1300	Active	Field Measurement of Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLBRA	FT 1400	Active	Field Measurement of Temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLBRA	FT 1500	Active	Field Measurement of Dissolved Oxygen (DO)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLBRA	FT 1600	Active	Field Measurement of Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLBRA	FT 1700	Active	Field Measurement of Light Penetration (Secchi Depth and Transparency)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLBRA	QUANTITR AY2000	Active	Total and Fecal Coliform	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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21FLBRA		Biological Research Associates (Florida)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9222-E	Active	Fecal Coliform- Delayed-Incubation Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	

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21FLBRA

Biological Research Associates (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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21FLBRA	Biological Research Associates (Florida)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants.,	GC with Electrolytic	

Field/Lab Analytical Procedures and Equipment Detail

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21FLBRA

Biological Research Associates (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, 40 CFR Part 136	Conductivity Detector	
USEPA	8151(W)	Active	Chlorinated Herbicides in Water by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21FLBREV Brevard County Stormwater Utility Department (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLBREV	FT1100	Active	Field Measurement of Hydrogen Ion Activity (pH)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SOP-001/01, February 1, 2004 verison						
21FLBREV	FT1200	Active	Field Measurement of Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SOP-001/01, February 1, 2004 verison						
21FLBREV	FT1300	Active	Field Measurement of Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SOP-001/01, February 1, 2004 verison						
21FLBREV	FT1400	Active	Field Measurement of Temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SOP-001/01, February 1, 2004 verison						
21FLBREV	FT1500	Active	Field Measurement of Dissolved Oxygen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SOP-001/01, February 1, 2004 verison						
21FLBREV	FT1600	Active	Field Measurement of Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SOP-001/01, February 1, 2004 verison						
21FLBREV	FT1700	Active	Field Measurement of Light Penetration (Secchi depth and Transparency)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SOP-001/01, February 1, 2004 verison						
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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21FLBREV

Brevard County Stormwater Utility Department (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active			Colorimeter	

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21FLBREV

Brevard County Stormwater Utility Department (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

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21FLBROW

Broward Co Dept of Natural Resource Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLBROW	351.2-350.1	Active	Organic Nitrogen	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
21FLBROW	353.2+351.2	Active	Total Nitrogen	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
21FLBROW	9230C	Active	Fecal Streptococci	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
21FLBROW	CHLOR A	Active	Chlorophyll a	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Fluorometer	
21FLBROW	CHLOROA/PHEOA	Active	Chlorophyll A:Pheophytin A Ratio	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Fluorometer	
21FLBROW	FLOW_DIRECTION	Active	Tidal Stage	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	

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21FLBROW

Broward Co Dept of Natural Resource Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
ASTM	D3867(B)	Active	Nitrite-Nitrate by Manual Cd Reduction	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Spectrophotometer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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21FLBROW

Broward Co Dept of Natural Resource Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
21FLBROW	2520B	Susp	Salinity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Meter	APHA/2520-B
21FLBROW	365.1-PO4	Susp	Orthophosphate	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
21FLBROW	9222B	Susp	Total Coliform	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
21FLBROW	9222D	Susp	Fecal Coliform	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	

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21FLBSG

City of Tampa Bay Study Group (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLBSG	SOP-2	Active	To be updated	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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21FLCBA Choctawhatchee Basin Alliance (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLCBA	LAKEWATC H_TP	Active	Total Phosphorus as P	Murphy and Riley, 1962, Murphy and Riley, Murphy and Riley, v1		
21FLCBA	PH	Active	Hydrolab pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLCBA	TURBIDITY	Active	Hydrolab Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	

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21FLCEN Florida Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLCEN	300.0	Active	Determination of SO4 and CL by Ino Chromatography	FLDEP, 2004, Tallahassee Published SOP NU-024, FLDEP, 1-200		
21FLCEN	600/9-78-018	Active	Potential algal growth determination	USEPA, 1978, The Selanastrum capricornutum Printz algal assay bottle test, USEPA, EPA 600/9-78-018		
21FLCEN	EPA 340.2	Active	Fluoride	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLCEN	EPA 415.1	Active	Organic Carbon	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLCEN	FT 1000	Active	Temperature, air	Lou, Ley, 2002, Volume Name, Department of Environmental Protection Central District, v.1		
21FLCEN	FT 1100	Active	pH	Lou, Ley, 2002, Volume Name, Department of Environmental Protection Central District, v.1		
21FLCEN	FT 1200	Active	Conductivity	Lou, Ley, 2002, Volume Name, Department of Environmental Protection Central District, v.1		
21FLCEN	FT 1300	Active	Salinity	Lou, Ley, 2002, Volume Name, Department of Environmental Protection Central District, v.1		
21FLCEN	FT 1400	Active	temperature	Lou, Ley, 2002, Volume Name, Department of Environmental Protection Central District, v.1		
21FLCEN	FT 1500	Active	Dissolved Oxygen (DO)	Lou, Ley, 2002, Volume Name, Department of Environmental Protection Central District, v.1		
21FLCEN	FT 1700	Active	Secchi disk depth	Lou, Ley, 2002, Volume Name, Department of Environmental Protection Central District, v.1		
21FLCEN	HISTORICAL	Active	Standard Operation Procedure	Lou, Ley, 2002, Volume Name, Department of Environmental Protection Central District, v.1		
21FLCEN	SOP-AB03_1	Active	Phytoplankton Identification - Diatom	Florida Dept of Environmental Protection, 2004, FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Dept of Environmental Protection Standard Operating Procedures for		

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21FLCEN Florida Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Field Activities DEP-SPO-001/01, FDEP, 2004 Revision		
21FLCEN	SOP-AB04	Active	Phytoplankton Identification - Wet	Florida Dept of Environmental Protection, 2004, FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Dept of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, FDEP, 2004 Revision		
21FLCEN	SOP-AB05	Active	DEP Phytoplankton Preparation - Wet Taxa	Florida Dept of Environmental Protection, 2004, FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Dept of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, FDEP, 2004 Revision		
21FLCEN	SOP-AB10_1	Active	DEP-SOP	21FLFTM - Department of Environmental Protection Standard Operating Procedures for Field Activities, 2004, FDEP-SOP - FDEP Environmental Assessment Section, DEP-SOP-0/001, 2004 Revision		
	Description	Prep method for Periphyton Wet				
21FLCEN	SOP-ANALY	Active	Standard Analytical Procedure	Lou, Ley, 2002, Volume Name, Department of Environmental Protection Central District, v.1		
21FLORL	FL-PRO	Active	Total recoverable petroleum hydrocarbons in waste samples by GC-FID	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Gas Chromatograph	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	

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21FLCEN

Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-CL(G)	Active	Residual Chlorine by Colorimetry- DPD Colorimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.1	Active	Color by Calculating ADMI Values	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

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21FLCEN Florida Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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21FLCEN

Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	410.1	Active	Mid-Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.2	Active	Low Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

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21FLCHAR

FDEP Charlotte Harbor Aquatic/Buffer Preserves

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLCHAR	EPA 351.2+353.2	Active	EPA Nitrate/Nitrite + TKN analysis	USEPA, 2000, Estuarine and Coastal Marine Waters: Bioassessment and Biocriteria Technical Guidance., USEPA, EPA 822/B-00-024		
21FLCHAR	FT_1100	Active	Field Measurement of Hydrogen Ion Activity (pH)	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLCHAR	FT_1300	Active	Field Measurement of Salinity	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLCHAR	FT_1400	Active	Field Measurement of Temperature	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLCHAR	FT_1500	Active	Field Measurement of Dissolved Oxygen	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLCHAR	FT_1700	Active	Field Measurement of Light Penetration (Secchi Depth and Transparency)	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLCHAR	SM 10200H	Active	Standard Methods Analysis for Chlorophyll a,	American Public Health Association, 1984, Laboratory Procedures for the Examination of		

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21FLCHAR

FDEP Charlotte Harbor Aquatic/Buffer Preserves

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Uncorrected for pheophytin	Seawater and Shellfish, American Public Health Association, Vol --		
21FLCHAR	SM 2121B	Active	Standard Methods Analysis for True Color	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --		
21FLCHAR	SM 4500-OC	Active	Standard Methods Dissolved Oxygen analysis	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --		
21FLCHAR	SM 9222D	Active	Standard Methods Analysis for Total Fecal Coliform	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	4500-NO3(B)	Active	Nitrate in Water by Ultraviolet Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ultraviolet Spectrophotometer	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related	

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21FLCHAR

FDEP Charlotte Harbor Aquatic/Buffer Preserves

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					equipment(eg color charts)	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

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21FLCMP FL Dept. of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLCMP	CHEM	Active	USEPA Methods for Chemical Analysis of Water and Wastewater; EPA 600/4-79-020	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLCMP	CHEMETSD O	Active	Dissolved Oxygen CHEMets /ASTM D888-87	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Human Eye	
21FLCMP	ENT	Active	USEPA Method 1106.1 for Enterococci analysis	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076		
21FLCMP	SECCHI	Active	Secchi Depth Determination	USEPA, 1997, Volunteer Stream Monitoring: A Methods manual., USEPA, EPA 841/B-97-003	Human Eye	
21FLCMP	STANDARD METHODS	Active	Standard Methods for the Examination of Water and Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

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21FLCOLL

Collier County Pollution Control (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLCOLL	LKTRAFF	Active	Lake Trafford	Gail G. Gibson, Raymond Smith, 1995, Comprehensive Quality Assurance Plan, Collier County Government Pollution Control Department, Volume 1		

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21FLCOT

City of Tallahassee Stormwater Management Division (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLCOT	4540-84	Active	USGS standard Nitrite Analysis	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLCOT	600/8-78	Active	Microbiological Monitoring	USEPA, 1978, Microbiological Methods for Monitoring the Environment: Water and Wastes., USEPA, EPA 600/8-78-017		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	202.2	Active	Aluminum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of	Flame Atomic	

Field/Lab Analytical Procedures and Equipment Detail

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21FLCOT

City of Tallahassee Stormwater Management Division (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	231.2	Active	Gold by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related	

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21FLCOT City of Tallahassee Stormwater Management Division (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	550	Active	Polycyclic Aromatic Hydrocarbons by HPLC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatograph with Fluorescence Dete	

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21FLCPSJ

City of Port St. Joe Wastewater Treatment Plant (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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21FLCPSL		City of Port St. Lucie (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLCPSL	CALCULATED	Active	port st_lucie	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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21FLDADE

Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLDADE	COLIFORM	Active	Coliform	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLDADE	FP	Active	Field Parameter	DERM QAP, 1991, SOP, DERM, 1	Hydrolab Multi Probe Handheld Instrument	
Description Field sample using field equipment, per DERM's SOP						
21FLDADE	HYDRO	Active	Hydrolab Field Measurement	DERM QAP, 1991, SOP, DERM, 1		
Description Hydrolab field measurement						
21FLDADE	SOP	Active	DERM SOP	DERM QAP, 1991, SOP, DERM, 1		
APHA	10200-F	Active	Phytoplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-G	Active	Zooplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	10200-I	Active	Determination of Biomass (Standing Crop)	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	10200-J	Active	Metabolic Rate Measurements	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	

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21FLDADE Dade Environmental Resource Management (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10300-C	Active	Periphyton Sample Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10300-D	Active	Periphyton Primary Productivity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	10400-D	Active	Macrophyton Population Estimates	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	10400-E	Active	Macrophyton Productivity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	10500-C	Active	Benthic Macroinvertebrate Sample Processing and Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2120-C	Active	Color in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-D	Active	Color in Water Using Tristimulus Filters	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Filter Photometer	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2120-E	Active	Color in Water Using the ADMI Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Filter Photometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2150	Active	Odor in Water by Threshold Testing	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Nose	
APHA	2160-B	Active	Taste in Water by Flavor Threshold Test	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Tongue	
APHA	2160-C	Active	Taste in Water by Flavor Rating	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Tongue	
APHA	2170	Active	Taste and Odor by Profile Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	2310	Active	Acidity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA	American Public Health Association, 1992,	Titration	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Titration	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Apparatus	
APHA	2350-B	Active	Chlorine Demand/Requirement of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Potentiometer	
APHA	2350-C	Active	Chlorine Dioxide Demand/Requirement of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2350-D	Active	Ozone Demand or Requirement of Water-Batch Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2350-E	Active	Ozone Demand or Requirement of Water-Semi-Batch Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-C	Active	Salinity in Water- Density Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	2520-D	Active	Salinity in Water- Algorithm	American Public Health Association, 1992,	Generic	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			of Practical Salinity	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	inspection-related equipment(eg color charts)	
APHA	2530-B	Active	Particulate Floatables in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2530-C	Active	Floatable Oil and Grease in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-F	Active	Settleable Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	2560-B	Active	Particle Counting by Electrical Sensing	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	2560-C	Active	Particle Counting by Light-Blockage	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic method-specific equipment	
APHA	2560-D	Active	Particle Counting by Light-Scattering	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	2570-B	Active	Asbestos in Water by TEM	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic method-specific equipment	
APHA	2580	Active	Oxidation-Reduction Potential of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	2810	Active	Dissolved Gas Supersaturation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Membrane-Diffusion Apparatus	
APHA	3.2-B	Active	Coliforms in Seawater and	American Public Health Association, 1984,	Generic	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Shellfish	Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	inspection-related equipment(eg color charts)	
APHA	3.2-C	Active	Coliforms in Seawater and Shellfish	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	3.2-D	Active	Coliforms in Shellfish	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	3.3-B	Active	Coliforms - Cytochrome Oxidase	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	No equipment	
APHA	3.3-C	Active	Coliforms - IMViC	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	No equipment	
APHA	3.4	Active	Coliforms- Membrane Filter	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Colorimeter	
APHA	3.5	Active	Coliforms- Plate Count	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Optical Microscope	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3111-C	Active	Metals in Water by FLAA-Extraction/Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3111-D	Active	Metals in Water by FLAA-Direct Nitrous Oxide-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3111-E	Active	Metals in Water by FLAA-Extraction/Nitrous Oxide-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3112-B	Active	Mercury in Water by CVAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Cold Vapor Atomic Absorption Spectrophotometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	3114-B	Active	Metals in Water by Manual HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Hydride Atomic Absorption Spectrophotometer	
APHA	3114-C	Active	Metals in Water by Continuous HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Hydride Atomic Absorption Spectrophotometer	
APHA	3120	Active	Metals in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Inductively Coupled Plasma Combined with	

Field/Lab Analytical Procedures and Equipment Detail

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition	Mass Spectrophotome	
APHA	3130	Active	Metals by Anodic Stripping Voltammetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Anodic Stripping Voltammeter	
APHA	3500-AG(B)	Active	Silver in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-AG(C)	Active	Silver in Water by ICP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-AG(D)	Active	Silver in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-AL(B)	Active	Aluminum in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-AL(C)	Active	Aluminum in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-AL(D)	Active	Aluminum in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-AL(E)	Active	Aluminum in Water with an	American Public Health Association, 1992,	AutoAnalyzer	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			AutoAnalyzer	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	3500-AS(B)	Active	Arsenic in Water by GFAA or HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-AS(C)	Active	Arsenic in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-AS(D)	Active	Arsenic in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-AU	Active	Gold in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-BA(B)	Active	Barium in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-BA(C)	Active	Barium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
APHA	3500-BE(B)	Active	Beryllium in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-BE(C)	Active	Beryllium in Water by ICP	American Public Health Association, 1992,	Inductively	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-BE(D)	Active	Beryllium in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-BI	Active	Bismuth in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-CA(B)	Active	Calcium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-CA(C)	Active	Calcium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-CA(D)	Active	Calcium in Water by Titration Using EDTA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	3500-CD(B)	Active	Cadmium in Water by FLAA/GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-CD(C)	Active	Cadmium in Water by ICP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Inductively Coupled Plasma Combined with Mass Spectrophotome	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3500-CD(D)	Active	Cadmium in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-CO(B)	Active	Cobalt in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-CO(C)	Active	Cobalt in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-CR(B)	Active	Chromium in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-CR(C)	Active	Chromium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-CR(D)	Active	Total Hexavalent Chromium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-CR(E)	Active	Chromium in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	3500-CS	Active	Cesium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Flame Atomic Absorption Spectrophotomet	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition	er	
APHA	3500-CU(B)	Active	Copper in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-CU(C)	Active	Copper in Water by ICP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-CU(D)	Active	Copper in Water by Spectrophotometry-Neocuproine Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-CU(E)	Active	Copper in Water by Spectrophotometry-Bathocuproine Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-FE(B)	Active	Iron in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-FE(C)	Active	Iron in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-FE(D)	Active	Iron in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-HG(B)	Active	Mercury in Water by CVAA	American Public Health Association, 1992, Standard Methods for the Examination of Water	Cold Vapor Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Absorption Spectrophotometer	
APHA	3500-HG(C)	Active	Mercury in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-IR	Active	Iridium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-K-B	Active	Potassium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-K-C	Active	Potassium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-K-D	Active	Potassium in Water by Flame Photometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Photometric Detector	
APHA	3500-K-E	Active	Potassium in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	3500-LI(B)	Active	Lithium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-LI(C)	Active	Lithium in Water by ICP	American Public Health Association, 1992,	Inductively	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-LI(D)	Active	Lithium in Water by Flame Photometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Photometric Detector	
APHA	3500-MG(B)	Active	Magnesium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-MG(C)	Active	Magnesium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-MG(D)	Active	Magnesium in Water by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3500-MG(E)	Active	Magnesium in Water by Calculation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	3500-MN(B)	Active	Manganese in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-MN(C)	Active	Manganese in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3500-MN(D)	Active	Manganese in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-MO(B)	Active	Molybdenum in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-MO(C)	Active	Molybdenum in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
APHA	3500-NA(B)	Active	Sodium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-NA(C)	Active	Sodium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
APHA	3500-NA(D)	Active	Sodium in Water by Flame Photometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Photometric Detector	
APHA	3500-NI(B)	Active	Nickel in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-NI(C)	Active	Nickel in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Inductively Coupled Plasma Combined with	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition	Mass Spectrophotometer	
APHA	3500-OS	Active	Osmium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-PB(B)	Active	Lead in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-PB(C)	Active	Lead in Water by ICP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
APHA	3500-PB(D)	Active	Lead in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-PD	Active	Palladium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-PT	Active	Platinum in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-RE	Active	Rhenium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-RH	Active	Rhodium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water	Flame Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-RU	Active	Ruthenium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-SB(B)	Active	Antimony in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-SB(C)	Active	Antimony in Water - ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
APHA	3500-SE(C)	Active	Selenium in Water by HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Hydride Atomic Absorption Spectrophotometer	
APHA	3500-SE(D)	Active	Selenium in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-SE(E)	Active	Selenium in Water by Fluorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Fluorometer	
APHA	3500-SE(F)	Active	Volatile Selenium in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Hydride Atomic Absorption Spectrophotometer	
APHA	3500-SE(G)	Active	Nonvolatile Organic Selenium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	3500-SE(H)	Active	Selenium in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	3500-SE(I)	Active	Selenium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-SN	Active	Tin in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-SR(B)	Active	Strontium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-SR(C)	Active	Strontium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-SR(D)	Active	Strontium in Water by Flame Photometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Photometric Detector	
APHA	3500-TH	Active	Thorium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3500-TI	Active	Titanium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-TL(B)	Active	Thallium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-TL(C)	Active	Thallium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-V-B	Active	Vanadium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-V-C	Active	Vanadium in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-V-D	Active	Vanadium in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-ZN(B)	Active	Zinc in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-ZN(C)	Active	Zinc in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotome	
APHA	3500-ZN(D)	Active	Zinc in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-ZN(E)	Active	Zinc in Water by Spectrophotometry-Dithizone Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-ZN(F)	Active	Zinc in Water by Spectrophotometry-Dithizone Method II	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4110-B	Active	Anions in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4110-C	Active	Single Column Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-B-B	Active	Boron in Water by Spectrophotometry-Curcumin Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-B-C	Active	Boron in Water by Spectrophotometry-Carmine Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-B-D	Active	Boron in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotome	
APHA	4500-BR(B)	Active	Bromide in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-BR(C)	Active	Bromide in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-CL(B)	Active	Residual Chlorine in Water by Titration- Iodometric Method I	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL(C)	Active	Residual Chlorine in Water by Titration- Iodometric Method II	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL(D)	Active	Residual Chlorine in Water by Titration- Amperometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL(E)	Active	Residual Chlorine in Water by Titration- Low-Level Amperometric M	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL(F)	Active	Residual Chlorine in Water by Titration- DPD Ferrous Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL(G)	Active	Residual Chlorine by Colorimetry- DPD Colorimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-CL(H)	Active	Residual Chlorine by FACTS- Syringaldazine Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CL(I)	Active	Residual Chlorine by Iodometric Electrode Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(C)	Active	Chloride in Water by Titration- Mercuric Nitrate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(D)	Active	Chloride in Water by Potentiometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Potentiometer	
APHA	4500-CL-(E)	Active	Chloride in Water by Colorimetry- Automated Ferricyanide Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CL-(F)	Active	Chloride in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-CLO(B)	Active	Chlorine Dioxide in Water by Titration- Iodometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-CLO(C)	Active	Chlorine Dioxide in Water by Titration- Amperometric Method I	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CLO(D)	Active	Chlorine Dioxide in Water by Colorimetry- DPD Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CLO(E)	Active	Chlorine Dioxide in Water by Titration- Amperometric Method II	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(C)	Active	Cyanide in Water after Distillation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	4500-CN(D)	Active	Cyanide in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(E)	Active	Cyanide in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CN(F)	Active	Cyanide in Water Using ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-CN(G)	Active	Cyanides Amenable to Chlorination after Distillation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-CN(H)	Active	Cyanides Amenable to Chlorination without Distillation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-CN(I)	Active	Weak Acid Dissociable Cyanide in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(J)	Active	Cyanogen Chloride in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-CN(K)	Active	Spot Test for Cyanides for Screening	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	4500-CN(L)	Active	Cyanates in Waste Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-CN(M)	Active	Thiocyanate in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-CO2(B)	Active	Carbon Dioxide in Water by Nomography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nomography (Graphing) Apparatus	
APHA	4500-CO2(C)	Active	Carbon Dioxide in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-F-B	Active	Preliminary Distillation of Fluoride	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	No equipment	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-F-D	Active	Fluoride in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-F-E	Active	Fluoride in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-F-F	Active	Fluoride in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-I(B)	Active	Iodide in Water by Spectrophotometry- Leuco Crystal Violet Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-I(C)	Active	Iodide in Water by Spectrophotometry- Catalytic Reduction Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-I-B	Active	Iodine in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	4500-I-C	Active	Iodine in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(C)	Active	Ammonia in Water by Titrimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(D)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(E)	Active	Ammonia in Water by Selective Electrode Method (Known Addition)	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(F)	Active	Ammonia in Water Using Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-NO2(C)	Active	Nitrite in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-NO3(B)	Active	Nitrate in Water by Ultraviolet Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ultraviolet Spectrophotometer	
APHA	4500-NO3(C)	Active	Nitrate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-NO3(D)	Active	Nitrate in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO3(E)	Active	Nitrate in Water- Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-NO3(G)	Active	Nitrate in Water- Titanous Chloride Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Potentiometer	
APHA	4500-NO3(H)	Active	Nitrate in Water- Automated Hydrazine Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-NO3(I)	Active	Nitrate in Water- Cadmium Reduction Flow Injection	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-NOR(C)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-O-B	Active	Total Dissolved Oxygen by Titration- Iodometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-C	Active	Total Dissolved Oxygen by Titration- Azide Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-D	Active	Total Dissolved Oxygen by Titration- Permanganate Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-E	Active	Total Dissolved Oxygen by Titration- Alum Flocculation Modificati	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-F	Active	Total Dissolved Oxygen by Titration- Copper/Sulfate-Sulfamic Acid	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-O3	Active	Residual Ozone by Indigo Colorimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-C	Active	Phosphorus in Water by Vanadomolybdophosphoric Acid Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-D	Active	Phosphorus in Water by Stannous Chloride Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-S2(D)	Active	Sulfide in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-S2(E)	Active	Sulfide in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-S2(F)	Active	Sulfide by Calculation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	4500-S2(G)	Active	Sulfide in Water by Ion-Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-SI(B)	Active	Silica in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	4500-SI(C)	Active	Silica in Water by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-SI(D)	Active	Silica in Water by Spectrophotometry-Molybdsilicate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-SI(E)	Active	Silica in Water by Spectrophotometry-Heteropoly Blue Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-SI(F)	Active	Silica in Water by Automated Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SI(G)	Active	Silica in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-SO3(B)	Active	Sulfite in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-SO3(C)	Active	Sulfite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-SO4(B)	Active	Sulfate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-SO4(C)	Active	Sulfate in Water by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-SO4(D)	Active	Sulfate in Water by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-SO4(E)	Active	Sulfate by Turbidimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Turbidimeter	
APHA	4500-SO4(F)	Active	Sulfate in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5.6	Active	Enteric Viruses	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Generic inspection-related equipment(eg color charts)	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5210-C	Active	Ultimate Biochemical Oxygen Test	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5220-B	Active	Chemical Oxygen Demand by Titration- Open Reflux Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5220-C	Active	Chemical Oxygen Demand by Titration- Closed Reflux Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5220-D	Active	Chemical Oxygen Demand by Colorimetry- Closed Reflux	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	5310-D	Active	Total Organic Carbon in Water- Wet-Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	5320-B	Active	Dissolved Organic Halogen in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Halogen Analyzer	
APHA	5510-B	Active	Aquatic Humic Substances in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Coulometry	
APHA	5510-C	Active	Aquatic Humic Substances in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Coulometry	
APHA	5520-B	Active	Oil and Grease by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	5520-C	Active	Oil and Grease by Infrared Spectroscopy	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Infrared Spectrophotometer	
APHA	5520-D	Active	Oil and Grease by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	5520-F	Active	Hydrocarbons by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	5530-C	Active	Phenols in Water by Spectrophotometry-Chloroform Extraction Meth	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	5530-D	Active	Phenols in Water by Spectrophotometry- Direct Photometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	5540-C	Active	Anionic Surfactants in Water as MBAS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5540-D	Active	Nonionic Surfactants as CTAS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5550-B	Active	Tannin and Lignin by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	5560-B	Active	Non-Volatile and Volatile Organic Acids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5710-B	Active	Trihalomethane Formation Potential	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	5710-C	Active	Trihalomethane Formation Potential	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	5710-D	Active	Trihalomethane Formation Potential	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	5910-B	Active	UV - Absorbing Organic	American Public Health Association, 1992,	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Compounds	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	er	
APHA	6040-B	Active	Organics by Closed Loop Stripping	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Low Resolution Mass Spectrophotometer	
APHA	6040-C	Active	Organics in Water by Purge and Trap GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	6210-B	Active	Volatile Organics by Purge and Trap GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Low Resolution Mass Spectrophotometer	
APHA	6210-C	Active	Volatile Organics by Purge and Trap GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Low Resolution Mass Spectrophotometer	
APHA	6210-D	Active	Volatile Organics by Purge and Trap CGC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Low Resolution Mass Spectrophotometer	
APHA	6211-B	Active	Methane in Water by Combustable Gas	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Combustable Gas Indicator	
APHA	6211-C	Active	Methane in Water by Volumetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	6220-B	Active	Volatile Aromatic Organics	American Public Health Association, 1992,	GC with	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			in Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Photoionization Detector	
APHA	6220-C	Active	Volatile Aromatic Organics in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Photoionization Detector	
APHA	6220-D	Active	Volatile Aromatic Organics in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	6220-E	Active	Volatile Aromatic Organics in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	6230-B	Active	Volatile Halocarbons in Water by GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electron Capture Detector	
APHA	6230-C	Active	Volatile Halocarbons in Water by GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electron Capture Detector	
APHA	6230-D	Active	Volatile Halocarbons in Water by GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electron Capture Detector	
APHA	6230-E	Active	Volatile Halocarbons in Water by GC/MS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	GC with Low Resolution Mass Spectrophotometer	
APHA	6231-B	Active	EDB and DBCP in Water by CGC	American Public Health Association, 1992, Standard Methods for the Examination of Water	Capillary GC Electron Capture	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Detector	
APHA	6231-C	Active	EDB and DBCP in Water by CGC/MS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Capillary Gas Chromatograph with Mass Spectrophotometer	
APHA	6231-D	Active	EDB and DBCP in Water by CGC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Capillary GC Electron Capture Detector	
APHA	6232-B	Active	Trihalomethanes in Water by CGC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Capillary GC Electron Capture Detector	
APHA	6232-C	Active	Trihalomethanes in Water by CGC/MS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Capillary Gas Chromatograph with Mass Spectrophotometer	
APHA	6232-D	Active	Trihalomethanes in Water by CGC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Capillary GC Electron Capture Detector	
APHA	6233-B	Active	Haloacetic Acids and Trichlorophenol	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Capillary GC Electron Capture Detector	
APHA	6251-B	Active	Disinfection By-Products: Haloacetic Acids and Trichlorophenol	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Capillary GC Electron Capture Detector	
APHA	6252-B	Active	Disinfection By-Products: Aldehydes	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	GC with Electron Capture Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	6410-B	Active	Extractable Semivolatile Organics by GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Low Resolution Mass Spectrophotometer	
APHA	6420-BA	Active	Phenols in Water by Gas Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Flame Ionization Detector	
APHA	6420-BB	Active	Phenols in Water by Gas Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electrolytic Conductivity Detector	
APHA	6420-C	Active	Phenols in Water by Gas Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Low Resolution Mass Spectrophotometer	
APHA	6431-B	Active	Polychlorinated Biphenyls in Water by GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electrolytic Conductivity Detector	
APHA	6431-C	Active	Polychlorinated Biphenyls in Water by GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Low Resolution Mass Spectrophotometer	
APHA	6440-B	Active	Polynuclear Aromatic Hydrocarbons	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	High Performance Liquid Chromatography with Ultraviolet Detector	
APHA	6440-C	Active	Polynuclear Aromatic Hydrocarbons by GC	American Public Health Association, 1992, Standard Methods for the Examination of Water	GC with Low Resolution Mass	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	6610-B	Active	Carbamate Pesticides in Water by HPLC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	High Performance Liquid Chromatograph with Fluorescence Detector	
APHA	6630-B	Active	Organochlorine Pesticides in Water by GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electrolytic Conductivity Detector	
APHA	6630-C	Active	Organochlorine Pesticides in Water by GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electrolytic Conductivity Detector	
APHA	6630-D	Active	Organochlorine Pesticides in Water by GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Low Resolution Mass Spectrophotometer	
APHA	6640-B	Active	Chlorinated Phenoxy Herbicides in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electrolytic Conductivity Detector	
APHA	6651-B	Active	Glyphosate Herbicide in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	High Performance Liquid Chromatograph	
APHA	7110-B	Active	Gross Alpha and Beta Radioactivity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Alpha G particle counter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	7110-C	Active	Gross Alpha Radioactivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Alpha Scintillation Detector	
APHA	7500-3H(B)	Active	Tritium in Water by Liquid Scintillation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Liquid Scintillation Counter	
APHA	7500-CS(B)	Active	Radioactive Cesium	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Beta Gas Proportional Detector	
APHA	7500-I-B	Active	Radioactive Iodine by Precipitation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Beta Gas Proportional Detector	
APHA	7500-I-C	Active	Radioactive Iodine by Ion-Exchange	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Beta-gamma Coincidence Counter	
APHA	7500-I-D	Active	Radioactive Iodine by Distillation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Beta Gas Proportional Detector	
APHA	7500-RA(B)	Active	Radium in Water by Precipitation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Alpha Scintillation Detector	
APHA	7500-RA(C)	Active	Radium in Water by Emanation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Alpha Scintillation Detector	
APHA	7500-RA(D)	Active	Radium in Water by	American Public Health Association, 1992,	Alpha	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Sequential Precipitation	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Scintillation Detector	
APHA	7500-SR(B)	Active	Total Radioactive Strontium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Beta Gas Proportional Detector	
APHA	7500-U-B	Active	Uranium in Water by GPC or Scintillation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Alpha G particle counter	
APHA	7500-U-C	Active	Uranium in Water by Isotopic Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Alpha Spectrophotometer	
APHA	9213-D	Active	E. coli method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9215-B	Active	Heterotrophic Plate Count-Pour Plate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9215-C	Active	Heterotrophic Plate Count-Spread Plate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9215-D	Active	Heterotrophic Plate Count-Membrane Filter Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9216-B	Active	Direct Total Microbial Count-Epifluorescence Method	American Public Health Association, 1992, Standard Methods for the Examination of Water	Optical Microscope	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-B.1	Active	Escherichia coli Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-D	Active	Estimation of Bacterial Density- MPN Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-F	Active	Escherichia coli, Multi-tube Fermentation Technique	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9222-(B+B.5c)	Active	Total Coliform Fermentation Technique, Multi-tube Fermentation with Enrichment Technique	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Optical Microscope	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	9222-C	Active	Standard Total Coliform-Delayed-Incubation Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9222-E	Active	Fecal Coliform- Delayed-Incubation Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-F	Active	Klebsiella- Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9240-B	Active	Enumeration-Enrichment & Isolation of Iron and Sulfur Bacteria	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9250-B	Active	Actinomycete Plate Count	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9510-G	Active	Assay and Identification of Viruses in Sample Concentrates	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9711-B	Active	Immunofluorescence Method for Giardia & Cryptosporidium	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9711-C	Active	Protozoa: Entamoeba histolytica in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
ASTM	D1125(A)	Active	Conductivity and Resistivity in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Conductivity Bridge	
HACH	8021	Active	Free Chlorine in Water by DPD	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
IL/SWSD	365.6	Active	Orthophosphate in Wet Deposition	Illinois State Water Survey, 19--., Methods for Acid Deposition, Illinois State Water Survey, EPA/600/4-86-024	AutoAnalyzer	
NIOSH	1600	Active	Carbon Disulfide by GC/FPD	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	
NIOSH	2510	Active	1-Octanethiol by GC/FPD	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical	Gas Chromatograph	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Methods, 4th Edition,, National Institute for Occupational Safety and Health, 4th Edition		
NIOSH	6010	Active	Hydrogen Cyanide by Visible Absorption	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition,, National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	
USDOI/USGS	B0001	Active	Standard Plate Count-Membrane Filter Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0005	Active	Total Bacteria-Epifluorescence Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Spectrophotometer	
USDOI/USGS	B0025	Active	Total Coliform Bacteria-Immediate Incubation Test	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0030	Active	Total Coliform Bacteria-Delayed Incubation Test	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0035	Active	Total Coliform Bacteria-Presumptive Test- MPN Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0040	Active	Total Coliform Bacteria-Presumptive Onsite Test-MPN Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0045	Active	Total Coliform Bacteria-Confirmation Test- MPN Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS,	Optical Microscope	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Book 5, Chapter A4		
USDOI/USGS	B0050	Active	Fecal Coliform Bacteria- Immediate Incubation Test	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0051	Active	Fecal Coliform Bacteria- Presumptive Test- MPN Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0055	Active	Fecal Streptococcal Bacteria- Immediate Incubation Test	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0060	Active	Fecal Streptococcal Bacteria- Confirmation Test	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0065	Active	Fecal Streptococcal Bacteria- Presumptive/Confirmation- MPN Metho	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0100	Active	Salmonella and Shigella- Plate Count	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0105	Active	Pseudomonas aeruginosa- Plate Count	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0400	Active	Sulfate-Reducing Bacteria- MPN Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USDOI/USGS	B0420	Active	Nitrifying Bacteria- MPN Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0430	Active	Denitrifying and Nitrate-reducing Bacteria- MPN Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B1505	Active	Phytoplankton Enumeration- Counting Cell Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B1520	Active	Phytoplankton Enumeration- Inverted-Microscope Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B2501	Active	Zooplankton Enumeration- Counting Cell Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B2520	Active	Zooplankton- Gravimetric Method for Biomass Determination	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Laboratory Balance	
USDOI/USGS	B3401	Active	Seston- Glass-fiber Filter Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Laboratory Balance	
USDOI/USGS	B3501	Active	Periphyton Enumeration- Sedgwick-Rafter Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USDOI/USGS	B3520	Active	Periphyton- Gravimetric Method for Biomass Determination	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Laboratory Balance	
USDOI/USGS	B3545	Active	Periphyton Enumeration-Inverted-Microscope Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B4520	Active	Macrophytes- Distribution and Abundance (quantitative method)	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B5001	Active	Benthic Invertebrates- Faunal Survey (qualitative method)	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B5020	Active	Benthic Invertebrates- Numerical Assessment	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B5040	Active	Benthic Invertebrates- Distribution and Abundance (quantitative m	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B5050	Active	Benthic Invertebrate Drift Determination	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B6020	Active	Aquatic Vertebrates- Life History (quantitative method)	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B6501	Active	Chlorophyll a-b-c in	USDOI, USGS, 19--., Methods for Determination	Spectrophotomet	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Phytoplankton by Spectroscopy	of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	er	
USDOl/USGS	B6520	Active	Chlorophyll a-b in Phytoplankton by Chromatography/Spectroscopy	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOl/USGS	B6530	Active	Chlorophyll a-b in Phytoplankton by HP Liquid Chromatography	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	High Performance Liquid Chromatograph with Fluorescence Detector	
USDOl/USGS	B6540	Active	Chlorophyll a-b in Phytoplankton by Chromatography/Fluorometry	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Fluorometer	
USDOl/USGS	B6560	Active	Biomass/Chlorophyll Ratio for Phytoplankton	USDOl, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOl, USGS, Book 5, Chapter A4	Calculated	
USDOl/USGS	B6601	Active	Chlorophyll a-b-c in Periphyton by Spectroscopy	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOl/USGS	B6620	Active	Chlorophyll a-b in Periphyton by Chromatography/Spectroscopy	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOl/USGS	B6630	Active	Chlorophyll a-b in Periphyton by HP Liquid Chromatography	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	High Performance Liquid Chromatograph	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					with Fluorescence Dete	
USDOI/USGS	B6640	Active	Chlorophyll a-b in Periphyton by Chromatography/Fluorometry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Fluorometer	
USDOI/USGS	B6660	Active	Biomass/Chlorophyll Ratio in Periphyton	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B6700	Active	Adenosine triphosphate (ATP) Determination in Water Sample	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Photometer	
USDOI/USGS	B8001	Active	Productivity- Oxygen Light/Dark-Bottle Method for Phytoplankton	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B8020	Active	Productivity- Carbon-14 Light/Dark-Bottle Method for Phytoplankto	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B8040	Active	Productivity- Oxygen Light/Dark-Enclosure Method for Periphyton	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B8100	Active	Productivity & Community Metabolism by Diel O2-Curve Stratified W	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	B8120	Active	Productivity & Community Metabolism by Diel O2-	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological	Calculated	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Curve Streams	Samples, Book 5, Chapter A4., USDOl, USGS, Book 5, Chapter A4		
USDOl/USGS	B8502	Active	Algal Growth Potential (AGP) Spikes for Nutrient Limitation	USDOl, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOl, USGS, Book 5, Chapter A4	Calculated	
USDOl/USGS	E-SPEC(CMPX)	Active	Minor Elements by Complexing	USDOl, USGS, 1981, Determination of Minor Elements in Water by Emission Spectroscopy, Book 5, Chapter A2, 1981., USDOl, USGS, Book 5, Chapter A2	Emission Spectrophotometer	
USDOl/USGS	E-SPEC(IR)	Active	Minor Elements by Residue-IR	USDOl, USGS, 1981, Determination of Minor Elements in Water by Emission Spectroscopy, Book 5, Chapter A2, 1981., USDOl, USGS, Book 5, Chapter A2	Emission Spectrophotometer	
USDOl/USGS	E-SPEC(PRC P)	Active	Minor Elements by Precipitation	USDOl, USGS, 1981, Determination of Minor Elements in Water by Emission Spectroscopy, Book 5, Chapter A2, 1981., USDOl, USGS, Book 5, Chapter A2	Emission Spectrophotometer	
USDOl/USGS	E-SPEC(UV)	Active	Minor Elements by Residue-UV	USDOl, USGS, 1981, Determination of Minor Elements in Water by Emission Spectroscopy, Book 5, Chapter A2, 1981., USDOl, USGS, Book 5, Chapter A2	Emission Spectrophotometer	
USDOl/USGS	I1020	Active	Acidity in Water by Titration	USDOl, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOl/USGS	I1030	Active	Alkalinity in Water by Titration	USDOl, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOl/USGS	I1051	Active	Aluminum in Water by FLAA	USDOl, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS,	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Book 5, Chapter A1	er	
USDOI/USGS	I1052	Active	Aluminum in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1054	Active	Aluminum by D-C Plasma Spectrometry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Direct Current Argon Plasma Spectrophotometer	
USDOI/USGS	I1055	Active	Antimony in Water by Hydride AA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I1060	Active	Arsenic in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1062	Active	Arsenic in Water by HYDAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I1084	Active	Barium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1095	Active	Beryllium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1110	Active	Boron in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	

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USDOI/USGS	I1112	Active	Boron in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1114	Active	Boron in Water by DC Plasma Spectrometry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Direct Current Argon Plasma Spectrophotometer	
USDOI/USGS	I1125	Active	Bromide in Water by Titration	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOI/USGS	I1135	Active	Cadmium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1136	Active	Cadmium in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1137	Active	Cadmium in Water by GFAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Graphite Furnace Atomic Absorption Spectrophotometer	
USDOI/USGS	I1152	Active	Calcium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1183	Active	Chloride in Water by Titration	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Titration Apparatus	

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USDOI/USGS	I1184	Active	Chloride in Water by Titration	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOI/USGS	I1187	Active	Chloride in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I1230	Active	Hexavalent Chromium by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I1232	Active	Hexavalent Chromium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1235	Active	Chromium in Water by GFAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Graphite Furnace Atomic Absorption Spectrophotometer	
USDOI/USGS	I1236	Active	Chromium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1238	Active	Chromium in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1239	Active	Cobalt in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	

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USDOI/USGS	I1240	Active	Cobalt in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1241	Active	Cobalt in Water by GFAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Graphite Furnace Atomic Absorption Spectrophotometer	
USDOI/USGS	I1250	Active	Color in Water by Visual Comparison	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Human Eye	
USDOI/USGS	I1270	Active	Copper in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1271	Active	Copper in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1272	Active	Copper in Water by GFAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Graphite Furnace Atomic Absorption Spectrophotometer	
USDOI/USGS	I1300	Active	Cyanide in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1325	Active	Fluoride in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	

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USDOI/USGS	I1327	Active	Fluoride in Water Using an ISE	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Selective Electrode	
USDOI/USGS	I1370	Active	Iodide in Water by Titration	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOI/USGS	I1371	Active	Iodide in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1381	Active	Iron in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1399	Active	Lead in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1400	Active	Lead in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1401	Active	Lead in Water by GFAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Graphite Furnace Atomic Absorption Spectrophotometer	
USDOI/USGS	I1425	Active	Lithium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	

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USDOI/USGS	I1447	Active	Magnesium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1454	Active	Manganese in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1455	Active	Manganese in Water by GFAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Graphite Furnace Atomic Absorption Spectrophotometer	
USDOI/USGS	I1456	Active	Manganese in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1462	Active	Mercury in Water by CVAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Cold Vapor Atomic Absorption Spectrophotometer	
USDOI/USGS	I1472	Active	Metals in Water by ICP	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USDOI/USGS	I1490	Active	Molybdenum by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1499	Active	Nickel in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS,	Flame Atomic Absorption Spectrophotometer	

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				Book 5, Chapter A1	er	
USDOI/USGS	I1500	Active	Nickel in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1501	Active	Nickel in Water by GFAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Graphite Furnace Atomic Absorption Spectrophotometer	
USDOI/USGS	I1520	Active	Ammonia Nitrogen by Nesslerization	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1524	Active	Ammonia Nitrogen in Water Using an ISE	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Selective Electrode	
USDOI/USGS	I1540	Active	Nitrite-Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1550	Active	Ammonia plus Organic Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1586	Active	Water pH	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	pH meter	
USDOI/USGS	I1600	Active	Dissolved Phosphorus by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS,	Spectrophotometer	

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				Book 5, Chapter A1		
USDOI/USGS	I1601	Active	Orthophosphate-Phosphorus by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1602	Active	Orthophosphate plus Hydrolyzable Phosphorous	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1630(S)	Active	Potassium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1630(W)	Active	Potassium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1667(S)	Active	Selenium in Bottom Material by HYDAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I1667(W)	Active	Selenium in Water by HYDAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I1700	Active	Silica in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I1702	Active	Silica in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	

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USDOI/USGS	I1720	Active	Silver in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1735(S)	Active	Sodium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1735(W)	Active	Sodium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1749	Active	Residue by Evaporation and Gravimetric	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Laboratory Balance	
USDOI/USGS	I1750	Active	Residue by Evaporation and Gravimetric	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Laboratory Balance	
USDOI/USGS	I1780	Active	Specific Conductance	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Conductivity Bridge	
USDOI/USGS	I1800(S)	Active	Strontium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1800(W)	Active	Strontium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	

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USDOI/USGS	I1820	Active	Sulfate in Water by Titration	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOI/USGS	I1866	Active	Thallium in Water by GFAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Graphite Furnace Atomic Absorption Spectrophotometer	
USDOI/USGS	I1880	Active	Vanadium in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1900(S)	Active	Zinc in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1900(W)	Active	Zinc in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I1901	Active	Zinc in Water by GFAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Graphite Furnace Atomic Absorption Spectrophotometer	
USDOI/USGS	I2030	Active	Alkalinity in Water by Titration	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOI/USGS	I2057	Active	Anions in Water by Ion Chromatography	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Chromatograph	

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USDOI/USGS	I2058	Active	Anions in Water by Ion Chromatography	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Chromatograph	
USDOI/USGS	I2062	Active	Arsenic in Water by HYDAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I2115	Active	Boron in Water by Automated Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2128	Active	Bromide in Water by Ion Chromatography	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Chromatograph	
USDOI/USGS	I2129	Active	Bromide in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2187	Active	Chloride in Water by Automated Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2188	Active	Chloride in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I2302	Active	Cyanide in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	

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USDOI/USGS	I2327	Active	Fluoride in Water Using an ISE	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Selective Electrode	
USDOI/USGS	I2462	Active	Mercury in Water by CVAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Cold Vapor Atomic Absorption Spectrophotometer	
USDOI/USGS	I2521	Active	Ammonia Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I2522	Active	Ammonia Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2523	Active	Ammonia Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2539	Active	Nitrite-Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I2540	Active	Nitrite-Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2543	Active	Nitrite- plus Nitrate-Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	

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USDOI/USGS	I2545(S)	Active	Nitrite- Plus Nitrate-Nitrogen in Solids	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2545(W)	Active	Nitrite- Plus Nitrate-Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2552	Active	Ammonia plus Organic Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2558	Active	Ammonia plus Organic Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I2598	Active	Orthophosphate-Phosphorus by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2599	Active	Phosphorus by Auto-Discrete Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I2600(S)	Active	Phosphorus in Solids by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2600(W)	Active	Phosphorus in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2601	Active	Orthophosphate-	USDOI, USGS, 19--, Methods for Determination	AutoAnalyzer	

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			Phosphorus by Colorimetry	of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1		
USDOl/USGS	I2602	Active	Hydrolyzable plus Orthophosphate-Phosphorous	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOl/USGS	I2667(S)	Active	Selenium in Bottom Material by HYDAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOl/USGS	I2667(W)	Active	Selenium in Water by HYDAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOl/USGS	I2700	Active	Silica in Water by Colorimetry	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOl/USGS	I2822	Active	Sulfate in Water by Colorimetry	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOl/USGS	I2823	Active	Sulfate in Water by Turbidimetry	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Photometer	
USDOl/USGS	I2851(S)	Active	Tin in Bottom Material by HYDAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOl/USGS	I2851(W)	Active	Tin in Water by HYDAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial	Hydride Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I2880	Active	Vanadium in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I3051	Active	Aluminum in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3052	Active	Aluminum in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3054	Active	Aluminum by D-C Plasma Spectrometry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Direct Current Argon Plasma Spectrophotometer	
USDOI/USGS	I3055	Active	Antimony in Water by Hydride AA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I3060	Active	Arsenic in Water by Colorimetry	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Spectrophotometer	
USDOI/USGS	I3062	Active	Arsenic in Water by HYDAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I3084	Active	Barium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	

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USDOI/USGS	I3095	Active	Beryllium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3110	Active	Boron in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I3112	Active	Boron in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I3135	Active	Cadmium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3136	Active	Cadmium in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3152	Active	Calcium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3153	Active	Calcium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3236	Active	Chromium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3238	Active	Chromium in Water by	USDOI, USGS, 19--, Methods for Determination	Flame Atomic	

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			Chelation and FLAA	of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Absorption Spectrophotometer	
USDOl/USGS	I3239	Active	Cobalt in Water by FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I3240	Active	Cobalt in Water by Chelation and FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I3270	Active	Copper in Water by FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I3271	Active	Copper in Water by Chelation and FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I3300	Active	Cyanide in Water by Colorimetry	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOl/USGS	I3325	Active	Fluoride in Water by Colorimetry	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOl/USGS	I3381	Active	Iron in Water by FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I3399	Active	Lead in Water by FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial	Flame Atomic Absorption	

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				Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I3400	Active	Lead in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3425	Active	Lithium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3447	Active	Magnesium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3448	Active	Magnesium in Water by Direct EPA FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3454	Active	Manganese in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3462	Active	Mercury in Water by CVAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Cold Vapor Atomic Absorption Spectrophotometer	
USDOI/USGS	I3490	Active	Molybdenum by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3499	Active	Nickel in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial	Flame Atomic Absorption	

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				Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOl/USGS	I3500	Active	Nickel in Water by Chelation and FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I3524	Active	Ammonia Nitrogen in Water Using an ISE	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Ion Selective Electrode	
USDOl/USGS	I3561	Active	Chemical Oxygen Demand by Colorimetry	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOl/USGS	I3562(S)	Active	Chemical Oxygen Demand by Titration	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOl/USGS	I3562(W)	Active	Chemical Oxygen Demand by Titration	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOl/USGS	I3631	Active	Potassium in Water by FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I3736	Active	Sodium in Water by FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I3750	Active	Residue by Evaporation and Gravimetric	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS,	Laboratory Balance	

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				Book 5, Chapter A1		
USDOI/USGS	I3765	Active	Residue by Evaporation and Gravimetric	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Laboratory Balance	
USDOI/USGS	I3840	Active	Sulfide in Water by Titration	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOI/USGS	I3860	Active	Nephelometric Turbidity in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Nephelometer	
USDOI/USGS	I4062	Active	Arsenic in Water by HYDAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I4302	Active	Cyanide in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I4327	Active	Fluoride in Water Using an ISE	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Selective Electrode	
USDOI/USGS	I4521	Active	Ammonia Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I4522	Active	Ammonia Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	

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USDOI/USGS	I4523	Active	Ammonia Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I4552	Active	Ammonia Plus Organic Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I5051	Active	Aluminum in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5055	Active	Antimony in Bottom Material by HYDAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I5060	Active	Arsenic in Bottom Material by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	No equipment	
USDOI/USGS	I5062	Active	Arsenic in Bottom Material by HYDAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I5084	Active	Barium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5095	Active	Beryllium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	

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USDOI/USGS	I5110	Active	Boron in Bottom Material by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I5135	Active	Cadmium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5152	Active	Calcium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5236	Active	Chromium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5239	Active	Cobalt in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5270	Active	Copper in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5300	Active	CN in Bottom Material by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I5381	Active	Iron in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5399	Active	Lead in Bottom Material by	USDOI, USGS, 19--, Methods for Determination	Flame Atomic	

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			FLAA	of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Absorption Spectrophotometer	
USDOI/USGS	I5425	Active	Lithium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5447	Active	Magnesium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5454	Active	Manganese in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5462	Active	Mercury in Bottom Material by CVAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Cold Vapor Atomic Absorption Spectrophotometer	
USDOI/USGS	I5473	Active	Metals in Sediment by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5474	Active	Metals in Sediment by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5475	Active	Metals in Sediment by HYDAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I5490	Active	Molybdenum by Chelation	USDOI, USGS, 19--, Methods for Determination	Flame Atomic	

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			and FLAA	of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Absorption Spectrophotometer	
USDOl/USGS	I5499	Active	Nickel in Bottom Material by FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I5553	Active	Ammonia plus Organic Nitrogen in Solids	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Titration Apparatus	
USDOl/USGS	I6062	Active	Arsenic in Bottom Material by HYDAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOl/USGS	I6302	Active	CN in Bottom Material by Colorimetry	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOl/USGS	I6522	Active	Ammonia Nitrogen by Colorimetry in Solid	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOl/USGS	I6523	Active	Ammonia Nitrogen by Colorimetry in Solid	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOl/USGS	I6552	Active	Ammonia Plus Organic Nitrogen in Solids	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOl/USGS	I7051	Active	Aluminum in Water by FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial	Flame Atomic Absorption	

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				Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I7052	Active	Aluminum in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7054	Active	Aluminum by D-C Plasma Spectrometry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Direct Current Argon Plasma Spectrophotometer	
USDOI/USGS	I7055	Active	Antimony in Water by Hydride AA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I7060	Active	Arsenic in Water by Colorimetry	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Spectrophotometer	
USDOI/USGS	I7062	Active	Arsenic in Water by HYDAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOI/USGS	I7084	Active	Barium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7095	Active	Beryllium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7110	Active	Boron in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	

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USDOI/USGS	I7112	Active	Boron in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I7135	Active	Cadmium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7136	Active	Cadmium in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7152	Active	Calcium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7236	Active	Chromium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7238	Active	Chromium in Water by Chelation and FLAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
USDOI/USGS	I7239	Active	Cobalt in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7240	Active	Cobalt in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	

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USDOI/USGS	I7270	Active	Copper in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7271	Active	Copper in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7325	Active	Fluoride in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I7327	Active	Fluoride in Water Using an ISE	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Ion Selective Electrode	
USDOI/USGS	I7381	Active	Iron in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7399	Active	Lead in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7400	Active	Lead in Water by Chelation and FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7425	Active	Lithium in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I7447	Active	Magnesium in Water by	USDOI, USGS, 19--, Methods for Determination	Flame Atomic	

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			FLAA	of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Absorption Spectrophotometer	
USDOl/USGS	I7454	Active	Manganese in Water by FLAA	USDOl, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I7462	Active	Mercury in Water by CVAA	USDOl, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Cold Vapor Atomic Absorption Spectrophotometer	
USDOl/USGS	I7490	Active	Molybdenum by Chelation and FLAA	USDOl, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I7499	Active	Nickel in Water by FLAA	USDOl, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I7500	Active	Nickel in Water by Chelation and FLAA	USDOl, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I7552	Active	Ammonia Plus Organic Nitrogen in Water	USDOl, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOl/USGS	O1105	Active	Dissolved Chlorophenoxy Acids in Water	USDOl, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOl, USGS, Book 5, Chapter A3	GC with Electrolytic Conductivity Detector	
USDOl/USGS	O3100	Active	Total Organic Carbon in	USDOl, USGS, 1987, Methods for the	Nondispersive	

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			Water	Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Infrared Spectrophotometer	
USDOI/USGS	O3104	Active	Organochlorine and -phosphorous in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Electrolytic Conductivity Detector	
USDOI/USGS	O3105	Active	Total Chlorophenoxy Acids in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Electrolytic Conductivity Detector	
USDOI/USGS	O3106	Active	Total Recoverable Triazines in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Alkali Flame Detector	
USDOI/USGS	O3107	Active	Carbamate Pesticides in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	High Performance Liquid Chromatography with Ultraviolet Dete	
USDOI/USGS	O3108	Active	Extractable Oil and Grease in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Laboratory Balance	
USDOI/USGS	O3109	Active	Light Fuel Oils in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Flame Ionization Detector	
USDOI/USGS	O3110	Active	Total Recoverable Phenols in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Spectrophotometer	

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USDOI/USGS	O3111	Active	Methylene Blue Active Substance in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Spectrophotometer	
USDOI/USGS	O3112	Active	TNT, RDX and Picric Acid in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	High Performance Liquid Chromatography with Ultraviolet Detector	
USDOI/USGS	O3113	Active	Polynuclear Aromatic Hydrocarbons	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	High Performance Liquid Chromatography with Ultraviolet Detector	
USDOI/USGS	O3114	Active	Ethylene and Propane in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Flame Ionization Detector	
USDOI/USGS	O3115	Active	Purgeable Organic Compounds in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Low Resolution Mass Spectrophotometer	
USDOI/USGS	O3117	Active	Acid Extractable Compounds in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Capillary Gas Chromatograph with Mass Spectrophotometer	
USDOI/USGS	O3118	Active	Base/Neutral Extractable Compounds	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Capillary Gas Chromatograph with Mass Spectrophotometer	

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USDOI/USGS	O5101	Active	Total Carbon in Bottom Material	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Total Organic Carbon - Thermal Conductivity Detector	
USDOI/USGS	O5104	Active	Organochlorine and - phosphorous in Solid	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Electrolytic Conductivity Detector	
USDOI/USGS	O5105	Active	Chlorophenoxy Acids in Bottom Material	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Electrolytic Conductivity Detector	
USDOI/USGS	O5108	Active	Extractable Oil and Grease	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Laboratory Balance	
USDOI/USGS	O7100	Active	Suspended Organic Carbon in Water	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	Nondispersive Infrared Spectrophotometer	
USDOI/USGS	O7104	Active	Organochlorine and - phosphorous in Solid	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Electrolytic Conductivity Detector	
USDOI/USGS	O7105	Active	Chlorophenoxy Acids in Sediment	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Electrolytic Conductivity Detector	
USDOI/USGS	O9104	Active	Organochlorine Compounds in Fish Tissue	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3	GC with Electrolytic Conductivity Detector	
USDOI/USGS	R1110	Active	Cesium-137 and 134,	USDOI, USGS, 19--., Methods for the	Gamma	

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			Dissolved	Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Spectrophotometer	
USDOI/USGS	R1130	Active	Lead-210	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Beta Gas Proportional Detector	
USDOI/USGS	R1140	Active	Radium	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Alpha Scintillation Detector	
USDOI/USGS	R1141	Active	Radium-226	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Alpha Scintillation Detector	
USDOI/USGS	R1142	Active	Radium-228	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Beta Gas Proportional Detector	
USDOI/USGS	R1150	Active	Radioruthenium	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Beta Gas Proportional Detector	
USDOI/USGS	R1160	Active	Strontium-90	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Beta Gas Proportional Detector	
USDOI/USGS	R1171	Active	Tritium - Liquid Scintillation, Denver Lab	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Liquid Scintillation Counter	
USDOI/USGS	R1172	Active	Tritium - Electrolytic, Denver Lab	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in	Liquid Scintillation	

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				Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Counter	
USDOI/USGS	R1173	Active	Tritium - Liquid Scintillation, Reston Lab	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Liquid Scintillation Counter	
USDOI/USGS	R1174	Active	Tritium - Electrolytic, Reston Lab	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Liquid Scintillation Counter	
USDOI/USGS	R1180	Active	Uranium - Fluorometric	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Fluorometer	
USDOI/USGS	R1181	Active	Uranium - Fluorometric, Extraction	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Fluorometer	
USDOI/USGS	R1182	Active	Uranium - Alpha Spectroscopy	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Alpha Spectrophotometer	
USEPA	00-01	Active	Gross Alpha and Beta Activity in Water	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	00-02	Active	Gross Alpha Activity in Drinking Water by Coprecipitation	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	00-03	Active	Lead-210 and Polonium-210 in Dried Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Spectrophotometer	
USEPA	00-04	Active	Plutonium, Thorium & Uranium in Air Filters	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility,	Alpha Spectrophotomet	

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				USEPA, EPA 520/5-84-006	er	
USEPA	00-05	Active	Thorium and Uranium in Ashed Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Spectrophotometer	
USEPA	00-06	Active	Thorium and Uranium in Ashed Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Spectrophotometer	
USEPA	00-07	Active	Thorium and Uranium in Water Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Spectrophotometer	
USEPA	00-09	Active	Plutonium and Uranium in Milk	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Spectrophotometer	
USEPA	0010(B)	Active	Total Chromatographable Organic Material	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	GC with Flame Ionization Detector	
USEPA	0010(BT)	Active	Tritium in Biological Tissue	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Liquid Scintillation Counter	
USEPA	0010(W)	Active	Tritium in Water	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Liquid Scintillation Counter	
USEPA	0011-0	Active	Sampling for Formaldehyde Emissions	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	0011A	Active	Analysis of Aldehydes/Ketones by HPLC	USEPA, 1991, Methods Manual for Compliance with the BIF Regulations, Burning Hazardous Waste in Boilers and Industrial Furnaces, USEPA, EPA 530/SW-91-010	High Performance Liquid Chromatograph	
USEPA	002(A)	Active	Radon-222 in Air	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Scintillation	

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					Detector	
USEPA	002(W)	Active	Radon-222 in Water	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Scintillation Detector	
USEPA	0023A	Active	Sampling for PCDD and PCDF Emissions	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	004(A)	Active	Radium-226 and Radium-228 in Air	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Scintillation Detector	
USEPA	004(S)	Active	Radium-226 and Radium-228 in Soil	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Scintillation Detector	
USEPA	004(W)	Active	Radium-226 and Radium-228 in Water	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Scintillation Detector	
USEPA	005(A)	Active	Plutonium, Uranium and Thorium in Air	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Spectrophotometer	
USEPA	005(BT)	Active	Plutonium, Uranium and Thorium in Tissue	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Spectrophotometer	
USEPA	005(S)	Active	Plutonium, Uranium and Thorium in Soil	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Spectrophotometer	
USEPA	005(W)	Active	Plutonium, Uranium and Thorium in Water	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Spectrophotometer	
USEPA	008(BT)	Active	Strontium-89 and Strontium-90 in Tissue	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Beta Gas Proportional Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	008(S)	Active	Strontium-89 and Strontium-90 in Soil	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Beta Gas Proportional Detector	
USEPA	008(V)	Active	Strontium-89 and Strontium-90 in Plants	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Beta Gas Proportional Detector	
USEPA	008(W)	Active	Strontium-89 and Strontium-90 in Water	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Beta Gas Proportional Detector	
USEPA	1	Active	Beta Activity in Airborne Particulates	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Beta Gas Proportional Detector	
USEPA	10	Active	Carbon Monoxide Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Nondispersive Infrared Spectrophotometer	
USEPA	101	Active	Gaseous Mercury in Air by CVAA	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	101A	Active	Gaseous Mercury from Sewage/Sludge Incinerators	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	102	Active	Mercury Emissions - Hydrogen Streams	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	103	Active	Beryllium Screening in Air	USEPA, 1993, Test Methods for Air, USEPA,	Spectrophotomet	

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				40CFR61_B	er	
USEPA	104	Active	Beryllium in Air	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	Flame Atomic Absorption Spectrophotometer	
USEPA	105	Active	Mercury in Sewage Sludge	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	106	Active	Vinyl Chloride in Stack Gas	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	GC with Flame Ionization Detector	
USEPA	107	Active	Vinyl Chloride - Wastewater	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	GC with Flame Ionization Detector	
USEPA	107A	Active	Vinyl Chloride - Solvent/Resin	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	GC with Flame Ionization Detector	
USEPA	108	Active	Particulate and Gaseous Arsenic	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	Atomic Absorption Spectrophotometer	
USEPA	10A	Active	Carbon Monoxide Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Spectrophotometer	
USEPA	10B	Active	Carbon Monoxide Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	GC with Flame Ionization Detector	
USEPA	11	Active	Isotopic Analysis by Ge(Li) Detector	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	High Resolution Gamma Spectrophotometer	

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USEPA	110.1	Active	Color by Calculating ADML Values	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	110.3	Active	Color by Spectrophotometric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	1103.1	Active	Escherichia coli in Water by Membrane Filtration Using membrane-Thermotolerant E. coli Agar (mTEC)	USEPA, 2002, Method 1103.1: Escherichia coli (E. coli) in Water by Membrane Filtration Using membrane-Thermotolerant Escherichia coli Agar (mTEC) (September 2002), USEPA, EPA 821-R-02-020		
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	1104	Active	E. coli in Drinking Water/EC Medium with Mug Tub	USEPA, 1991, Test Methods for Escherichia coli in Drinking Water., USEPA, EPA 600/4-91-016		
USEPA	1106.1	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus-Esculin Iron Agar (mE-EIA)	USEPA, 2002, Method 1106.1: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus-Esculin Iron Agar (mE-EIA) (September 2002), USEPA, EPA 821-R-02-021		
USEPA	1106_1	Active	Enterococci in Water by Membrane Filter	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	111	Active	Polonium-210 Emissions	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	Alpha Spectrophotometer	
USEPA	114	Active	Radionuclide Emissions	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	No equipment	
USEPA	115	Active	Monitoring for Radon-222	USEPA, 1993, Test Methods for Air, USEPA,	No equipment	

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				40CFR61_B		
USEPA	12 (ATM PB)	Active	Inorganic Lead Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Flame Atomic Absorption Spectrophotometer	
USEPA	12 (ISOTOPES)	Active	Isotopic Analysis by NaI(Tl) Detector	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Gamma Spectrophotometer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	120.1_M	Active	Conductivity in Industrial Waste	USEPA, 19--, CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	Conductivity Meter	
USEPA	13	Active	Krypton, Xenon and Tritiated Methane	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Liquid Scintillation Counter	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	13A	Active	Total Fluoride Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Spectrophotometer	
USEPA	13B	Active	Total Fluoride Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Ion Selective Electrode	
USEPA	140.1	Active	Odor in Water Using a Consistent Series	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	15	Active	Hydrogen Sulfide, Carbonyl Sulfide	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	GC with Flame Photometric	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Detector	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	150.2	Active	pH by Continuous Monitoring	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	150.2_M	Active	pH in Industrial Waste Materials	USEPA, 19--., CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	pH meter	
USEPA	16	Active	Sulfur Emissions from Stationary Sources	USEPA, 19--., 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	GC with Flame Photometric Detector	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	160.5	Active	Settleable Matter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)		

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			Indoxyl-B-D-Glucoside Agar (mEI)	(September 2002), USEPA, EPA 821-R-02-022		
USEPA	1601	Active	Male-specific (F+) and Somatic Coliphage in Water by Two-step Enrichment Procedure	USEPA, 2001, Method 1601: Male-specific (F+) and Somatic Coliphage in Water by Two-step Enrichment Procedure (April 2001), USEPA, EPA 821-R-01-030		
USEPA	1602	Active	Male-specific (F+) and Somatic Coliphage in Water by Single Agar Layer (SAL) Procedure	USEPA, 2001, Method 1602: Male-specific (F+) and Somatic Coliphage in Water by Single Agar Layer (SAL) Procedure (April 2001), USEPA, EPA 821-R-01-029		
USEPA	1603	Active	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	USEPA, 2002, Method 1603: Escherichia coli (E. coli) in Water by Membrane Filtration Using Modified membrane-Thermotolerant Escherichia coli Agar (Modified mTEC) (September 2002), USEPA, EPA 821-R-02-023		
USEPA	1604	Active	Total Coliforms and E. coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium)	USEPA, 2002, Method 1604: Total Coliforms and Escherichia coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium), USEPA, EPA 821-R-02-024		
USEPA	1605	Active	Aeromonas in Finished Water Membrane Filtration Using Ampicillin-Dextrin Agar with Vancomycin (ADA-V)	USEPA, 2001, Method 1605: Aeromonas in Finished Water Membrane Filtration Using Ampicillin-Dextrin Agar with Vancomycin (ADA-V) (October 2001), USEPA, EPA 821-R-01-034		
USEPA	1613(S)	Active	Dioxins and Furans - Solids	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary GC with High Resolution Mass Spectrophotometer	
USEPA	1613(W)	Active	Dioxins and Furans - Water	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary GC with High Resolution Mass Spectrophotometer	

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					er	
USEPA	1618	Active	Pesticides and Herbicides	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary GC with Flame Photometric Detector	
USEPA	1620(A)	Active	Metals by Calibrated ICP	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	1620(B)	Active	Metals by GFAA	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	1620(C)	Active	Mercury - CVAA	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	1620(D)	Active	Metals by Semi-quantitative ICP Screen	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	1622	Active	Cryptosporidium in Water by Filtration/IMS/FA - April 2001 Update	USEPA, 2001, Method 1622: Cryptosporidium in Water by Filtration/IMS/FA - April 2001 Update, USEPA, EPA 821-R-01-026		
USEPA	1623	Active	Cryptosporidium and Giardia in Water by Filtration/IMS/FA - April 2001 Update	USEPA, 2001, Method 1623: Cryptosporidium and Giardia in Water by Filtration/IMS/FA - April 2001 Update, USEPA, EPA 821-R-01-025		
USEPA	1624(S)	Active	Volatiles by Isotope Dilution - Soil	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September	GC with Low Resolution Mass	

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				1990, USEPA, EAD_METHODS	Spectrophotometer	
USEPA	1624(W)	Active	Volatiles by Isotope Dilution - Water	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	GC with Low Resolution Mass Spectrophotometer	
USEPA	1625(AW)	Active	Semivolatiles - Acids, GC/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	1625(BNW)	Active	Semivolatiles - Base/Neutrals, GC/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	1625(S)	Active	Semivolatiles - Soil, GC/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	1632	Active	Inorganic Arsenic in Water by Hydride Generation Quartz Furnace	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Hydride Atomic Absorption Spectrophotometer	
USEPA	1636	Active	Hexavalent Chromium in Ambient Water by Ion Chromatography	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Ion Chromatograph	

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USEPA	1637	Active	Trace Elements in Water by Chelation Preconcentration and GFAA	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	1638	Active	Trace Elements in Water by ICP/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Inductively Coupled Plasma Spectrophotometer	
USEPA	1639	Active	Trace Elements in Water by GFAA	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	1640	Active	Trace Elements in Water by Chelation Preconcentration and ICP/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Inductively Coupled Plasma Spectrophotometer	
USEPA	1648	Active	Organic Halides by Neutron Activation	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Gamma Spectrophotometer	
USEPA	1649	Active	Organic Halides by Coulometry	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Total Organic Halogen Analyzer	
USEPA	1650	Active	Organic Halides in Water	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Total Organic Halogen Analyzer	
USEPA	1651	Active	Diesel Oil in Muds by GC/FID	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	GC with Flame Ionization Detector	
USEPA	1652	Active	Oil and Grease	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September	Laboratory Balance	

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				1990, USEPA, EAD_METHODS		
USEPA	1653	Active	Chlorinated Phenolics by GC/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	1654	Active	Polynuclear Aromatic Hydrocarbons in Oil	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	High Performance Liquid Chromatography with Ultraviolet Detector	
USEPA	1656(ECD)	Active	Organohalide Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Capillary GC Electron Capture Detector	
USEPA	1656(HSD)	Active	Organohalide Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Capillary GC with Halogen Specific Detector	
USEPA	1657	Active	Organophosphorus Pesticides in Water	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Capillary GC with Flame Photometric Detector	
USEPA	1658	Active	Phenoxy-Acid Herbicides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Capillary GC with Electrolytic Conductivity Detector	
USEPA	1659	Active	Dazomet in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	1660	Active	Pyrethrins and Pyrethroids	USEPA, 1993, Methods for the Determination of	High	

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			in Water	Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	1661	Active	Bromoxynil in Wastewater by HPLC/UV	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	1662	Active	Extractable Material in Mud by SDS	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	1663	Active	Differentiation of Oil by GC/FID	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	GC with Flame Ionization Detector	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	1665	Active	Semivolatiles by Isotope Dilution GC/MS	USEPA, 1994, Pharmaceutical Ind. Pollutants, USEPA, EPA 821/B-94-001	Capillary Gas Chromatograph with Mass Spectrophotomet er	
USEPA	1666	Active	VOCs by Isotope Dilution GC/MS	USEPA, 1994, Pharmaceutical Ind. Pollutants, USEPA, EPA 821/B-94-001	GC with Low Resolution Mass Spectrophotomet er	
USEPA	1667	Active	Aldehydes by Derivatization and HPLC	USEPA, 1994, Pharmaceutical Ind. Pollutants, USEPA, EPA 821/B-94-001	High Performance	

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					Liquid Chromatograph	
USEPA	1671	Active	VOCs by GC/FID	USEPA, 1994, Pharmaceutical Ind. Pollutants, USEPA, EPA 821/B-94-001	GC with Flame Ionization Detector	
USEPA	1673	Active	PEG-600 by Derivatization and HPLC	USEPA, 1994, Pharmaceutical Ind. Pollutants, USEPA, EPA 821/B-94-001	High Performance Liquid Chromatograph	
USEPA	16A	Active	Total Reduced Sulfur Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Titration Apparatus	
USEPA	16B	Active	Total Reduced Sulfur Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	GC with Flame Photometric Detector	
USEPA	17	Active	Particulate Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	18	Active	Gaseous Organic Compound Emission in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	GC with Flame Ionization Detector	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	1A	Active	Sample and Velocity Traverses	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Probe	
USEPA	2.1 (ATM SO2)	Active	Sulfur Dioxide in the Atmosphere	USEPA, 19--, Quality Assurance Handbook for Air Pollution Measurement Systems (Volumes I, II, and III), USEPA, AIR_QA_HANDBOOK	Colorimeter	
USEPA	2.1	Active	Particulate Matter as PM10	USEPA, 19--, Quality Assurance Handbook for	Filtration	

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	(PART.PM10)		in Atmosphere	Air Pollution Measurement Systems (Volumes I, II, and III), USEPA, AIR_QA_HANDBOOK	Apparatus	
USEPA	2.11	Active	Particulate Matter as PM10 in Atmosphere	USEPA, 19--, Quality Assurance Handbook for Air Pollution Measurement Systems (Volumes I, II, and III), USEPA, AIR_QA_HANDBOOK	Filtration Apparatus	
USEPA	2.1A	Active	Sulfur Dioxide in the Atmosphere	USEPA, 19--, Quality Assurance Handbook for Air Pollution Measurement Systems (Volumes I, II, and III), USEPA, AIR_QA_HANDBOOK	Colorimeter	
USEPA	2.2	Active	Suspended Particulates in the Atmosphere	USEPA, 19--, Quality Assurance Handbook for Air Pollution Measurement Systems (Volumes I, II, and III), USEPA, AIR_QA_HANDBOOK	Electromagnetic Current Meter	
USEPA	2.3	Active	Nitrogen Dioxide in the Atmosphere	USEPA, 19--, Quality Assurance Handbook for Air Pollution Measurement Systems (Volumes I, II, and III), USEPA, AIR_QA_HANDBOOK	Photometer	
USEPA	2.6	Active	Carbon Monoxide in the Atmosphere	USEPA, 19--, Quality Assurance Handbook for Air Pollution Measurement Systems (Volumes I, II, and III), USEPA, AIR_QA_HANDBOOK	Infrared Spectrophotometer	
USEPA	2.8	Active	Lead in Suspended Particulate Matter	USEPA, 19--, Quality Assurance Handbook for Air Pollution Measurement Systems (Volumes I, II, and III), USEPA, AIR_QA_HANDBOOK	Flame Atomic Absorption Spectrophotometer	
USEPA	2.9	Active	Sulfur Dioxide in the Atmosphere	USEPA, 19--, Quality Assurance Handbook for Air Pollution Measurement Systems (Volumes I, II, and III), USEPA, AIR_QA_HANDBOOK	Fluorometer	
USEPA	20	Active	Nitrogen Oxides and Sulfur Dioxide in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Generic inspection-related equipment(eg color charts)	
USEPA	200	Active	Metals by Atomic Absorption	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	200.1	Active	Metals in Marine Waters by ICP/MS	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.1(FLAA)	Active	Acid Soluble Metals in Water by FLAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Generic inspection-related equipment(eg color charts)	
USEPA	200.1(GFAA)	Active	Acid Soluble Metals in Water by GFAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Generic inspection-related equipment(eg color charts)	
USEPA	200.1(ICP)	Active	Acid Soluble Metals - ICP	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Generic inspection-related equipment(eg color charts)	
USEPA	200.10_M	Active	Inductively Coupled Plasma	USEPA, 19-- , CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.11	Active	Metals in Fish Tissue by ICP-AES	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.12	Active	Elements in Water by Temperature GFAA	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	200.13	Active	Elements in Water by	USEPA, 1992, Methods for Determination of	Graphite Furnace	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Chelation with GFAA	Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Atomic Absorption Spectrophotometer	
USEPA	200.15	Active	Metals in Water by Nebulization and ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.62(B)	Active	Pneumatic Nebulization ICP Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.62(C)	Active	Hydride Generation ICP Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with Mass Spectrophotome	

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USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	201(CSR)	Active	Determination of PM10 Emissions	USEPA, 19--, Requirements of Implementation of Air Standards, USEPA, 40CFR51_M	Laboratory Balance	
USEPA	201(EGR)	Active	Determination of PM10 Emissions	USEPA, 19--, Requirements of Implementation of Air Standards, USEPA, 40CFR51_M	Laboratory Balance	
USEPA	202	Active	Determination of Particulate Emission	USEPA, 19--, Requirements of Implementation of Air Standards, USEPA, 40CFR51_M	Laboratory Balance	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	202.1_M	Active	Aluminum by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	202.2	Active	Aluminum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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USEPA	202.2_M	Active	Aluminum by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	202.2_M/H G)	Active	Mercury in Industrial Wastes by CVAA	USEPA, 19--, CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	202.62(D)	Active	KOH Fusion Samples by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	203	Active	Determination of Opacity of Emissions	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	Continuous Opacity Monitoring System	
USEPA	203A	Active	Time-Averaged Opacity of Emissions	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	Human Eye	
USEPA	203B	Active	Opacity of Emission - Time Exception Regs.	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	Human Eye	
USEPA	203C	Active	Opacity of Emission - Instantaneous Regs.	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	Human Eye	
USEPA	204.1	Active	Antimony by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	204.1_M	Active	Antimony by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	204.2	Active	Antimony by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	204.2_M	Active	Antimony by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.2_M	Active	Arsenic by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.3	Active	Arsenic by HYDAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Hydride Atomic Absorption Spectrophotometer	
USEPA	206.3_M	Active	Hydride Generation ICP	USEPA, 19--., CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Hydride Atomic Absorption Spectrophotometer	
USEPA	206.4	Active	Arsenic by Spectrophotometric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	206.5	Active	Arsenic Digestion for HYDAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					related equipment(eg color charts)	
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	208.1_M	Active	Barium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	208.2	Active	Barium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	208.2_M	Active	Barium by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	210.1	Active	Beryllium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	210.1_M	Active	Beryllium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	210.2_M	Active	Beryllium by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	212.3	Active	Boron by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.1_M	Active	Cadmium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2_M	Active	Cadmium by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	215.1_M	Active	Calcium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	215.2	Active	Calcium by EDTA Titrimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.1_M	Active	Chromium by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.2_M	Active	Chromium by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.3	Active	Chromium by Chelation Extraction FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.4	Active	Hexavalent Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.5	Active	Hexavalent Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	218.6	Active	Hexavalent Chromium by Ion Chromatograph	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Ion Chromatograph	
USEPA	219.1	Active	Cobalt by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	219.1_M	Active	Cobalt by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	219.2	Active	Cobalt by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	219.2_M	Active	Cobalt by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.1_M	Active	Copper by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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USEPA	220.2_M	Active	Copper by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	23	Active	PCDDs and PCDFs in Air Emissions	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Capillary GC with High Resolution Mass Spectrophotometer	
USEPA	231.1	Active	Gold by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	231.2	Active	Gold by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	235.1	Active	Iridium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	235.2	Active	Iridium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.1_M	Active	Iron by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-	Flame Atomic	

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				ILM03_0, USEPA, ILM03_0	Absorption Spectrophotometer	
USEPA	236.2	Active	Iron by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.2_M	Active	Iron by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.1_M	Active	Lead by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.2_M	Active	Lead by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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USEPA	242.1_M	Active	Magnesium by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1_M	Active	Manganese by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	243.2	Active	Manganese by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	243.2_M	Active	Manganese by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.1_M	Active	Mercury in Water by Manual CVAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer	

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USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.2_M	Active	Mercury in Water by Automated CVAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.3	Active	Mercury in Water by HPLC	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	High Performance Liquid Chromatograph with Electrochemical D	
USEPA	245.5	Active	Mercury in Sediment by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.5_M	Active	Mercury in Soil and Sediment by CVAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.6	Active	Mercury in Tissue by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	246.1	Active	Molybdenum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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USEPA	246.2	Active	Molybdenum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	249.1_M	Active	Nickel by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	249.2_M	Active	Nickel by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	25	Active	Total Gaseous Nonmethane Organic Emissions	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	GC with Flame Ionization Detector	
USEPA	252.1	Active	Osmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	252.2	Active	Osmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
USEPA	253.1	Active	Palladium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	253.2	Active	Palladium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	255.1	Active	Platinum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	255.2	Active	Platinum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	258.1_M	Active	Potassium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	25A	Active	Total Gaseous Organic Emissions	USEPA, 19--., 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Flame Ionization Detector	
USEPA	25B	Active	Total Gaseous Organic Emissions	USEPA, 19--., 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Nondispersive Infrared	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	25C	Active	Nonmethane Organics in Landfill Gases	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	GC with Flame Ionization Detector	
USEPA	25D	Active	Volatile Organic Concentration in Waste	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	GC with Electron Capture Detector	
USEPA	25E	Active	Vapor Phase Organic Concentration in Waste	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	GC with Flame Ionization Detector	
USEPA	26	Active	Hydrogen Chloride from Stationary Sources	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Ion Chromatograph	
USEPA	264.1	Active	Rhenium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	264.2	Active	Rhenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	265.1	Active	Rhodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	265.2	Active	Rhodium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	267.1	Active	Ruthenium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	267.2	Active	Ruthenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	26A	Active	Hydrogen Halide/Halogen by Isokinetic	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Ion Chromatograph	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	270.2_M	Active	Selenium by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	270.3	Active	Selenium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.1_M	Active	Silver by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
USEPA	272.2_M	Active	Silver by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	273.1_M	Active	Sodium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	273.2	Active	Sodium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	279.1	Active	Thallium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	279.1_M	Active	Thallium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	279.2_M	Active	Thallium by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	282.1	Active	Tin by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	282.2	Active	Tin by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	283.1	Active	Titanium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	283.2	Active	Titanium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	286.1	Active	Vanadium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	286.1_M	Active	Vanadium by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	286.2	Active	Vanadium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
USEPA	286.2_M	Active	Vanadium by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.1_M	Active	Zinc by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	289.2	Active	Zinc by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.2_M	Active	Zinc by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	29	Active	Metals Emissions from Stationary Sources	USEPA, 19--., Emission Measurement Technical, USEPA, EMTIC_BULLETIN	No equipment	
USEPA	3	Active	Gross Alpha and Beta Activity in Water	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha G particle counter	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	3040	Active	Metals in Oils, Greases and Wax	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	No equipment	
USEPA	304A	Active	Biodegradation Rates (Vent Option)	USEPA, 19--, 40 CFR part 63, Appendix A, USEPA, 40CFR63_A	GC with Low Resolution Mass Spectrophotometer	
USEPA	304B	Active	Biodegradation Rates (Scrubber Option)	USEPA, 19--, 40 CFR part 63, Appendix A, USEPA, 40CFR63_A	GC with Low Resolution Mass Spectrophotometer	
USEPA	305	Active	Emissions of Volatiles in Waste	USEPA, 19--, 40 CFR part 63, Appendix A, USEPA, 40CFR63_A	Gas Chromatograph	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	305.2	Active	Acidity by Titration Using a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	306	Active	Chromium Emissions from Electroplating	USEPA, 19--, 40 CFR part 63, Appendix A, USEPA, 40CFR63_A	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	306A	Active	Chromium Emissions from Electroplating	USEPA, 19--, 40 CFR part 63, Appendix A, USEPA, 40CFR63_A	No equipment	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of	Titration	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Apparatus	
USEPA	310.1_M	Active	Alkalinity in Water by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	pH meter	
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	314	Active	Perchlorate in Drinking Water using Ion Chromatography	USEPA, 2000, Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, vol 1., USEPA, 815/R-00-014		
USEPA	320.1	Active	Bromide by Titration with Iodine	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.1	Active	Chloride by Colorimetric Analysis I	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325_M(A)	Active	Chloride in Water by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	325_M(B)	Active	Chloride in Water by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Titration Apparatus	
USEPA	330.1	Active	Total Residual Chlorine by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.2	Active	Total Residual Chlorine by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.3	Active	Total Residual Chlorine by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	330.4	Active	Total Residual Chlorine by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.5	Active	Chlorine by Spectrophotometry with DPD	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.1	Active	Cyanides Amenable to Chlorination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.2(MIDI)	Active	Cyanide Analysis by MIDI Distillation	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Spectrophotometer	
USEPA	335.2_M(S)	Active	Total Cyanide in Soils and Sediments	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Spectrophotometer	
USEPA	335.2_MA(W)	Active	Total Cyanide in Water by Colorimetry	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Titration Apparatus	
USEPA	335.2_MB(W)	Active	Total Cyanide in Water by Colorimetry	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Spectrophotometer	
USEPA	335.2_MC(W)	Active	Total Cyanide in Water by Colorimetry	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Spectrophotometer	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	335.63	Active	Cyanide in Waste by Colorimetry	USEPA, 19--, CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	Colorimeter	
USEPA	340.1	Active	Total Fluoride by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	340.2_M	Active	Fluoride with an Ion Selective Electrode	USEPA, 19--., CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Ion Selective Electrode	
USEPA	340.3	Active	Fluoride in Water by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	345.1	Active	Iodide in Water by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(A)	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	350.2(C)	Active	Ammonia Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350_M(A)	Active	Ammonia Nitrogen in Water by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Colorimeter	
USEPA	350_M(B)	Active	Ammonia Nitrogen in Water by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Titration Apparatus	
USEPA	350_M(C)	Active	Ammonia Nitrogen in Water	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Selective Electrode	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by	USEPA, 1983, Methods for Chemical Analysis of	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(B)	Active	Total Kjeldahl Nitrogen - Nesslerization	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer	
USEPA	351.4	Active	Total Kjeldahl Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.4	Active	Determination of Nitrite and Nitrate	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Photometer	
USEPA	354.1	Active	Nitrite Nitrogen by	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotomet	

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			Spectrophotometry	Water and Wastes, USEPA, EPA 600/4-79-020	er	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	
USEPA	365_M	Active	Phosphorus in Water by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Photometer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	375.1	Active	Sulfate by Colorimetry With Chloranilate	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.3	Active	Sulfate by Gravimetric	USEPA, 1983, Methods for Chemical Analysis of	Laboratory	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Determination	Water and Wastes, USEPA, EPA 600/4-79-020	Balance	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	375_M(A)	Active	Sulfate by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	375_M(B)	Active	Sulfate in Water by Turbidity	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Photometer	
USEPA	376.1	Active	Sulfide by Titration with Iodine	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	376.2	Active	Sulfide by Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	377.1	Active	Sulfite in Water by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	3810	Active	Headspace Technique for Volatiles	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	No equipment	
USEPA	3820	Active	Hexadecane Screening for Volatiles	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	No equipment	
USEPA	3A	Active	Oxygen and Carbon Dioxide in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Nondispersive Infrared Spectrophotometer	
USEPA	4	Active	Moisture Content in Stack Gases	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	No equipment	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					equipment(eg color charts)	
USEPA	410.1	Active	Mid-Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.2	Active	Low Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.3	Active	Chemical Oxygen Demand in Saline Waters	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	410_M(A)	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Colorimeter	
USEPA	410_M(B)	Active	Chemical Oxygen Demand by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Titration Apparatus	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	413.2	Active	Total Recoverable Oil and Grease by IR	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	
USEPA	415.2_M	Active	Total Organic Carbon in Water	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration	Flame Ionization Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water, USEPA, CLP_WQP		
USEPA	418.1	Active	Total Recoverable Petroleum Hydrocarbons	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	420.2	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	420.3	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	420.4	Active	Total Recoverable Phenolics in Water	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	425.1	Active	Methylene Blue Active Substances	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	430.1	Active	NTA by Manual Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	430.2	Active	NTA by Automated Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	440(S)	Active	Determination of Carbon and Nitrogen	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Elemental Analyzer	
USEPA	440(W)	Active	Determination of Carbon and Nitrogen	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Elemental Analyzer	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	450.1	Active	Total Organic Halide	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Halogen Analyzer	
USEPA	5	Active	Particulate Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Laboratory Balance	
USEPA	502.1	Active	Volatile Halogenated Organics	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	GC with Electron Capture Detector	
USEPA	502.2(ELCD)	Active	Volatile Organic Compounds in Water	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Electrolytic Conductivity Detector	
USEPA	502.2(PID)	Active	Volatile Organic Compounds in Water	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Photoionization Detector	
USEPA	5021	Active	VOC Using Equilibrium Headspace Analysis	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	503.1	Active	Volatile Aromatics in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	GC with Photoionization Detector	
USEPA	5031	Active	Volatiles by Azeotropic Distillation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic method-specific equipment	
USEPA	5032	Active	Volatiles by Vacuum Distillation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic method-specific equipment	
USEPA	504	Active	EDB and DBCP in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	504.1	Active	EDB, DBCP and 123TCP in	USEPA, 19--, Individually Published Methods for	Capillary GC	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water by GC	the Determination of Pollutants in Water., USEPA, WASTEWATER_1	Electron Capture Detector	
USEPA	5040A	Active	Analysis of VOST Sorbent Cartridges	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Low Resolution Mass Spectrophotometer	
USEPA	5041	Active	Analysis of Sorbent Cartridges	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Low Resolution Mass Spectrophotometer	
USEPA	5041A	Active	Desorption of Sorbent Cartridge by GC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Low Resolution Mass Spectrophotometer	
USEPA	505	Active	Organohalide Pesticides and PCB in Water	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	506	Active	Phthalate and Adipate Esters in Water	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	Capillary GC with Photoionization Detector	
USEPA	507	Active	Nitrogen and Phosphorus Pesticides	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Nitrogen-phosphorus Detector	
USEPA	508	Active	Chlorinated Pesticides in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	508.1	Active	Chlorinated Pest., Herb. and Organohalide	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	508A	Active	PCB Screen by Perchlorination and GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA,	GC with Electrolytic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				EPA 600/4-91-039	Conductivity Detector	
USEPA	509	Active	Ethylene Thiourea in Water by GC	USEPA, 19--, Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	GC with Nitrogen-Phosphorus Detector	
USEPA	50APP-A	Active	Sulfur Dioxide in Atmosphere	USEPA, 19--, National Primary and Secondary Standards, USEPA, 40CFR50	Spectrophotometer	
USEPA	50APP-B	Active	Suspended Particulate Matter	USEPA, 19--, National Primary and Secondary Standards, USEPA, 40CFR50	Filtration Apparatus	
USEPA	50APP-C	Active	Carbon Monoxide in Atmosphere - NDIR	USEPA, 19--, National Primary and Secondary Standards, USEPA, 40CFR50	Nondispersive Infrared Spectrophotometer	
USEPA	50APP-D	Active	Ozone in the Atmosphere	USEPA, 19--, National Primary and Secondary Standards, USEPA, 40CFR50	Fluorometer	
USEPA	50APP-E	Active	Hydrocarbons in Atmosphere	USEPA, 19--, National Primary and Secondary Standards, USEPA, 40CFR50	Flame Ionization Detector	
USEPA	50APP-F	Active	NO2 in Atmosphere - Chemiluminescence	USEPA, 19--, National Primary and Secondary Standards, USEPA, 40CFR50	Fluorometer	
USEPA	50APP-G	Active	Lead in Particulate Matter	USEPA, 19--, National Primary and Secondary Standards, USEPA, 40CFR50	Atomic Absorption Spectrophotometer	
USEPA	50APP-J	Active	Suspended Particulate Matter (PM10)	USEPA, 19--, National Primary and Secondary Standards, USEPA, 40CFR50	Filtration Apparatus	
USEPA	5100	Active	Volatile Organic Concentration in Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	No equipment	
USEPA	5110	Active	Organic Phase Vapor	USEPA, 1994, Test Methods for Evaluating Solid	Flame Ionization	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Pressure in Waste	Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Detector	
USEPA	513	Active	Tetrachlorodibenzo-p-dioxin in Water	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	515.2	Active	Chlorinated Acids in Water by GC	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary GC Electron Capture Detector	
USEPA	524.1	Active	Purgeable Organics in Water by GC/MS	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	GC with Low Resolution Mass Spectrophotometer	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	525.1	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	525.2	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	531.1	Active	N-Methylcarbamates in	USEPA, 1991, Methods for the Determination of	High	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water by HPLC	Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	547	Active	Glyphosate in Drinking Water by HPLC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	548	Active	Endothall in Water by Gas Chromatography	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	GC with Electrolytic Conductivity Detector	
USEPA	548.1	Active	Endothall in Drinking Water	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	549	Active	Diquat and Paraquat in Water by HPLC/UV	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	549.1	Active	Diquat and Paraquat in Water by HPLC	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	550	Active	Polycyclic Aromatic	USEPA, 1990, Methods for the Determination of	High	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Hydrocarbons by HPLC	Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	550.1	Active	Polycyclic Aromatic Hydrocarbons by HPLC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	551	Active	Chlorinated Solvents in Water by GC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	Capillary GC Electron Capture Detector	
USEPA	552	Active	Haloacetic Acids in Water by GC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	Capillary GC Electron Capture Detector	
USEPA	552.1	Active	Haloacetic Acids in Water by GC	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary GC Electron Capture Detector	
USEPA	553(LLE)	Active	Benzidines and Pesticides in Water	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	High Performance Liquid Chromatograph with Thermospray-MS	
USEPA	553(LSE)	Active	Benzidines and Pesticides in Water	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	High Performance Liquid Chromatograph with Thermospray-MS	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	554	Active	Carbonyl Compounds in Water by HPLC	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	High Performance Liquid Chromatograph	
USEPA	555	Active	Chlorinated Acids in Water by HPLC	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	5A	Active	Particulate Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	No equipment	
USEPA	5B	Active	Nonsulfuric Acid Particulate Matter	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Laboratory Balance	
USEPA	5D	Active	Particulate Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Laboratory Balance	
USEPA	5E	Active	Particulate Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Laboratory Balance	
USEPA	5F	Active	Non-Sulfate Particulate Matter in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Ion Chromatograph	
USEPA	5G	Active	Particulate Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Laboratory Balance	
USEPA	5H	Active	Particulate Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Laboratory Balance	
USEPA	6 (ATM SO2)	Active	Sulfur Dioxide from Stationary Sources	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Spectrophotomet er	
USEPA	6 (FORMALD EHYD)	Active	Formaldehyde in Wastewater by GC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	GC with Nitrogen-Phosphorus Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	6 (PO-210)	Active	Polonium-210 in Soil and Air Filters	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Spectrophotometer	
USEPA	601	Active	Purgeable Halocarbons in Wastewater	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electron Capture Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	602	Active	Purgeable Aromatics in Wastewater by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Photoionization Detector	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	6020_M	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 19--., Contract Laboratory Program Inductively Coupled Plasma-Mass Spectrometry., USEPA, CLP_3_4_SAS	Inductively Coupled Plasma Spectrophotometer	
USEPA	603	Active	Acrolein and Acrylonitrile in Wastewater	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Flame Ionization Detector	
USEPA	604(A)	Active	Phenols in Wastewater by GC/FID	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Flame Ionization Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	604(B)	Active	Phenols in Wastewater by GC/ECD	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	604.1	Active	Hexachlorophene and Dichlorophen	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	605	Active	Benzidines in Wastewater by HPLC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	High Performance Liquid Chromatograph with Electrochemical D	
USEPA	606	Active	Phthalate Esters in Wastewater by GC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	607	Active	Nitrosamines in Wastewater by GC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Nitrogen-Phosphorus Detector	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	608.1	Active	Organochlorine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	608.2	Active	Organochlorine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	609(A)	Active	Nitroaromatics and Isophorone by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	609(B)	Active	Nitroaromatics and Isophorone	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Flame Ionization Detector	
USEPA	61	Active	Hexavalent Chromium in Stack Emissions	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Chromatograph	
USEPA	610	Active	Polynuclear Aromatic Hydrocarbons by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	611	Active	Haloethers in Wastewater by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electron Capture Detector	
USEPA	612	Active	Chlorinated Hydrocarbons by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	613	Active	Tetrachlorodibenzo-p-dioxin by GC/MS	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Low Resolution Mass Spectrophotometer	
USEPA	614	Active	Organophosphorus	USEPA, 1993, Methods for the Determination of	GC with Flame	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Pesticides I	Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Photometric Detector	
USEPA	614.1	Active	Organophosphorus Pesticides II	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	615	Active	Chlorinated Herbicides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	616	Active	C, H, O Containing Pesticides in Water	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Flame Ionization Detector	
USEPA	617	Active	Organohalide Pesticides and PCBs	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	618	Active	Volatile Pesticides in Water by GC	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	619	Active	Triazine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	620	Active	Diphenylamine in Wastewater by GC	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Alkali Flame Detector	
USEPA	621	Active	Carbamate Pesticides - TLC	USEPA, 19--., Individually Published Methods for the Determination of Pollutants in Water.,	Thin Layer Chromatograph	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, WASTEWATER_1		
USEPA	622	Active	Organophosphorus Pesticides III by GC	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	622.1	Active	Thiophosphate Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Alkali Flame Detector	
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	624-S	Active	Organics in Sludge - Volatiles	USEPA, 19--, Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	GC with Low Resolution Mass Spectrophotometer	
USEPA	625	Active	Base/Neutral and Acid Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	625-S	Active	Organics in Sludge - Base/Neutral and Acid	USEPA, 19--, Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	GC with Low Resolution Mass Spectrophotometer	
USEPA	626	Active	Acrolein and Acrylonitrile by GC	USEPA, 19--, Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	GC with Flame Ionization Detector	
USEPA	627	Active	Dinitroaniline Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	629	Active	Cyanazine in Wastewater by HPLC	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	630	Active	Dithiocarbamate Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Spectrophotomet er	
USEPA	630.1	Active	Dithiocarbamate Pesticides in Water	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Spectrophotomet er	
USEPA	631	Active	Benomyl and Carbendazim in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	632	Active	Carbamate Pesticides by HPLC/UV	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	632.1	Active	Carbamate Pesticides by HPLC/UV	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	633	Active	Organonitrogen Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA,	GC with Nitrogen-Phosphorus	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				EPA 821/R-93-010A	Detector	
USEPA	633.1	Active	Nitrogen-Containing Pesticides in Water	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Alkali Flame Detector	
USEPA	634	Active	Thiocarbate Pesticides in Wastewaters	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Alkali Flame Detector	
USEPA	635	Active	Rotenone in Wastewater by HPLC	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	636	Active	Bensulide in Wastewater by HPLC/UV	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	637	Active	MBTS and TCMTB in Wastewater by HPLC	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	638	Active	Determination of Oryzalin in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	639	Active	Determination of Bendiocarb	USEPA, 1993, Methods for the Determination of	High	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			in Water	Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	640	Active	Mercaptobenzothiazole in Wastewaters	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	641	Active	Thiabendazole in Wastewater by HPLC	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	642	Active	Biphenyl and Ortho Phenylphenol in Water	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	643	Active	Determination of Bentazon in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	644	Active	Determination of Picloram in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Dete	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	645	Active	Amine Pesticides and Lethane in Water	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	646	Active	Dinitro Aromatic Pesticides in Water	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	680	Active	Pesticides and PCBs	USEPA, 19-- , Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	6A	Active	Sulfur Dioxide, Carbon Dioxide, Moisture	USEPA, 19-- , 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Spectrophotometer	
USEPA	6B	Active	Sulfur Dioxide and Carbon Dioxide in Air	USEPA, 19-- , 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Spectrophotometer	
USEPA	6C	Active	Sulfur Dioxide from Stationary Sources	USEPA, 19-- , 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Spectrophotometer	
USEPA	7 (ATM NOX)	Active	Nitrogen Oxide from Stationary Sources	USEPA, 19-- , 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Spectrophotometer	
USEPA	7 (SR-89/90)	Active	Strontium-89 and Strontium-90 in Milk	USEPA, 19-- , Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Beta Gas Proportional Detector	
USEPA	7000A(FLAA)	Active	Atomic Absorption - FLAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Flame Atomic Absorption Spectrophotometer	
USEPA	7000A(GFAA)	Active	Atomic Absorption - GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	7020	Active	Aluminum by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7040	Active	Antimony by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7041	Active	Antimony by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7060A	Active	Arsenic by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7061A	Active	Arsenic by Gaseous Hydride AA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Hydride Atomic Absorption Spectrophotometer	
USEPA	7062	Active	Antimony and Arsenic by GBAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Hydride Atomic Absorption Spectrophotometer	
USEPA	7063	Active	Arsenic by ASV	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Anodic Stripping Voltammeter	
USEPA	7080A	Active	Barium by FLAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Flame Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update II., USEPA, SW-846_II	Spectrophotometer	
USEPA	7081	Active	Barium by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7090	Active	Beryllium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7091	Active	Beryllium by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7130	Active	Cadmium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7131A	Active	Cadmium by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7140	Active	Calcium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7190	Active	Chromium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	7191	Active	Chromium by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7195	Active	Hexavalent Chromium (Coprecipitation)	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7196A	Active	Hexavalent Chromium (Colorimetric)	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Spectrophotometer	
USEPA	7197	Active	Hexavalent Chromium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7198	Active	Hexavalent Chromium by Polarography	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Polarograph	
USEPA	7199	Active	Hexavalent Chromium in Water by IC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Ion Chromatograph	
USEPA	7200	Active	Cobalt by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7201	Active	Cobalt by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7210	Active	Copper by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	7211	Active	Copper by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7380	Active	Iron by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7381	Active	Iron by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7420	Active	Lead by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7421	Active	Lead by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7430	Active	Lithium by FLAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Flame Atomic Absorption Spectrophotometer	
USEPA	7450	Active	Magnesium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7460	Active	Manganese by FLAA	USEPA, 1986, Test Methods for Evaluating Solid	Flame Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Absorption Spectrophotometer	
USEPA	7461	Active	Manganese by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7472	Active	Mercury by ASV	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Anodic Stripping Voltammeter	
USEPA	7480	Active	Molybdenum by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7481	Active	Molybdenum by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7520	Active	Nickel by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	7521	Active	Nickel by GFAA	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7550	Active	Osmium in Various Matrices by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7580	Active	White Phosphorous by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Nitrogen-Phosphorus Detector	
USEPA	7610	Active	Potassium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7740	Active	Selenium in Various Matrices by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7741A	Active	Selenium in Water by Gaseous Hydride	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Hydride Atomic Absorption Spectrophotometer	
USEPA	7742	Active	Selenium by Gaseous Borohydride AA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Hydride Atomic Absorption Spectrophotometer	
USEPA	7760A	Active	Silver by FLAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	7761	Active	Silver by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7770	Active	Sodium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7780	Active	Strontium by FLAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Flame Atomic Absorption Spectrophotometer	
USEPA	7840	Active	Thallium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7841	Active	Thallium by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7870	Active	Tin by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7910	Active	Vanadium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7911	Active	Vanadium by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Graphite Furnace Atomic	

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				Edition., USEPA, EPA 530/SW-846	Absorption Spectrophotometer	
USEPA	7950	Active	Zinc by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7951	Active	Zinc by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7A	Active	Nitrogen Oxide from Stationary Sources	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Ion Chromatograph	
USEPA	7B	Active	Nitrogen Oxide from Stationary Sources	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Spectrophotometer	
USEPA	7C	Active	Nitrogen Oxide from Stationary Sources	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Spectrophotometer	
USEPA	7D	Active	Nitrogen Oxide from Stationary Sources	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Ion Chromatograph	
USEPA	7E	Active	Nitrogen Oxide from Stationary Sources	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Fluorometer	
USEPA	8000A	Active	Organic Compounds by Gas Chromatography	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	No equipment	
USEPA	8000B	Active	Organic Compounds by Gas Chromatography	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	8010B	Active	Halogenated Volatile Organics by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Electron Capture Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	8011	Active	EDB and DBCP by Gas Chromatography	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Capillary GC Electron Capture Detector	
USEPA	8015A	Active	Non-Halogenated Volatile Organics	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	GC with Flame Ionization Detector	
USEPA	8015B	Active	Non-Halogenated Organics Using GC/FID	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Flame Ionization Detector	
USEPA	8020A	Active	Aromatic Volatile Organics by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Photoionization Detector	
USEPA	8021A(ELC D)	Active	Halogenated and Aromatic Volatiles	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Electrolytic Conductivity Detector	
USEPA	8021A(PID)	Active	Halo and Aromatic Volatiles - CGC/PID	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Photoionization Detector	
USEPA	8030A	Active	Acrolein and Acrylonitrile by GC	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	GC with Flame Ionization Detector	
USEPA	8031	Active	Acrylonitrile by Gas Chromatography	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Nitrogen-Phosphorus Detector	
USEPA	8032	Active	Acrylamide by Gas Chromatography	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Electrolytic Conductivity Detector	
USEPA	8032A	Active	Acrylamide by Gas	USEPA, 1998, Test Methods for Evaluating Solid	GC with	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Chromatography	Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Electrolytic Conductivity Detector	
USEPA	8033	Active	Acetonitrile by GC/NPD	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Nitrogen-Phosphorus Detector	
USEPA	8040A(ECD)	Active	Phenols by Gas Chromatography	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	GC with Electrolytic Conductivity Detector	
USEPA	8040A(FID)	Active	Phenols by Gas Chromatography	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	GC with Flame Ionization Detector	
USEPA	8041	Active	Phenols by Capillary Column GC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Capillary GC with Flame Ionization Detector	
USEPA	8060(ECD)	Active	Phthalate Esters by Gas Chromatography	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	GC with Electrolytic Conductivity Detector	
USEPA	8060(FID)	Active	Phthalate Esters by Gas Chromatography	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	GC with Flame Ionization Detector	
USEPA	8061	Active	Phthalate Esters by Gas Chromatography	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8061A	Active	Phthalate Esters by Capillary GC/ECD	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8070	Active	Nitrosamines by Gas Chromatography	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	GC with Nitrogen-	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update I., USEPA, SW-846_I	Phosphorus Detector	
USEPA	8070A	Active	Nitrosamines by Gas Chromatography	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Nitrogen-Phosphorus Detector	
USEPA	8080A	Active	Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Electrolytic Conductivity Detector	
USEPA	8081(S)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8081(W)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8081A(SNB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8081A(SWB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8081A(WNB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8081A(WWB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8082(S)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	8082(W)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8090(ECD)	Active	Nitroaromatics and Cyclic Ketones	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	GC with Electrolytic Conductivity Detector	
USEPA	8090(FID)	Active	Nitroaromatics and Cyclic Ketones	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	GC with Flame Ionization Detector	
USEPA	8091	Active	Nitroaromatics and Cyclic Ketones	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8100	Active	Polynuclear Aromatic Hydrocarbons by GC	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Capillary GC with Flame Ionization Detector	
USEPA	8110	Active	Haloethers by Gas Chromatography	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	GC with Halogen Specific Detector	
USEPA	8111(S)	Active	Haloethers by Gas Chromatography	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8111(W)	Active	Haloethers by Gas Chromatography	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8120A	Active	Chlorinated Hydrocarbons by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Electrolytic Conductivity Detector	
USEPA	8121	Active	Chlorinated Hydrocarbons by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	8131	Active	Aniline by GC: Capillary Column	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Capillary GC with Nitrogen-phosphorus Detector	
USEPA	8140	Active	Organophosphorus Pesticides by GC	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	GC with Flame Photometric Detector	
USEPA	8141(S)	Active	Organophosphorus Compounds in Soil by GC	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Capillary GC with Flame Photometric Detector	
USEPA	8141(W)	Active	Organophosphorus Compounds in Water	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Capillary GC with Flame Photometric Detector	
USEPA	8141A(S)	Active	Organophosphorus Compounds in Soil by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Flame Photometric Detector	
USEPA	8141A(W)	Active	Organophosphorus Compounds in Water	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Flame Photometric Detector	
USEPA	8150B	Active	Chlorinated Herbicides by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Electrolytic Conductivity Detector	
USEPA	8151(S)	Active	Chlorinated Herbicides in Soils by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8151(W)	Active	Chlorinated Herbicides in Water by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Capillary GC Electron Capture	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update II., USEPA, SW-846_II	Detector	
USEPA	8240B(S)	Active	Volatile Organics in Soil by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Low Resolution Mass Spectrophotometer	
USEPA	8240B(W)	Active	Volatile Organics in Water by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Low Resolution Mass Spectrophotometer	
USEPA	8250A	Active	Semivolatile Organics in Water by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Low Resolution Mass Spectrophotometer	
USEPA	8260A	Active	Volatile Organics in Waste by CGC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270B(S)	Active	Semivolatile Organics in Soil by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270B(W)	Active	Semivolatile Organics in Water by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	8270C(S)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8275	Active	Screening Semivolatile Organics	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	No equipment	
USEPA	8275A	Active	PAHs and PCBs in Soils/Wastes: TE/GC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Thermal Chromatography with Mass Spectrophotometer	
USEPA	8280(S)	Active	Polychlorinated Dioxins and Furans	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8280(W)	Active	Polychlorinated Dioxins and Furans	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8280A(O)	Active	Polychlorinated Dioxins and Furans	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8280A(S)	Active	Polychlorinated Dioxins and	USEPA, 1998, Test Methods for Evaluating Solid	Capillary Gas	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Furans	Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Chromatograph with Mass Spectrophotometer	
USEPA	8280A(W)	Active	Polychlorinated Dioxins and Furans	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8290	Active	Polychlorinated PCDDs and PCDFs by HRGC/HRMS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Resolution Mass Spectrophotometer	
USEPA	8310	Active	Polynuclear Aromatic Hydrocarbons	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	8315	Active	Carbonyl Compounds by HPLC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Performance Liquid Chromatograph	
USEPA	8315A(LLE)	Active	Carbonyl Compounds by HPLC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	High Performance Liquid Chromatograph	
USEPA	8315A(LSE)	Active	Carbonyl Compounds by HPLC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	High Performance Liquid Chromatograph	
USEPA	8316	Active	Acrylamide, Acetonitrile and Acrolein	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	High Performance	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update II., USEPA, SW-846_II	Liquid Chromatography with Ultraviolet Dete	
USEPA	8318(S)	Active	n-Methylcarbamates by HPLC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	8318(W)	Active	n-Methylcarbamates by HPLC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	8321	Active	Non-Volatile Compounds by HPLC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Performance Liquid Chromatograph with Thermospray-MS	
USEPA	8321A	Active	Non-Volatile Compounds by HPLC/TS/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	High Performance Liquid Chromatograph with Thermospray-MS	
USEPA	8325(CRT)	Active	Non-Volatile Compounds by HPLC/PB/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	High Performance Liquid Chromatograph	
USEPA	8325(DSK)	Active	Non-Volatile Compounds by	USEPA, 1998, Test Methods for Evaluating Solid	High	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			HPLC/PB/MS	Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Performance Liquid Chromatograph	
USEPA	8325(LLE)	Active	Non-Volatile Compounds by HPLC/PB/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	High Performance Liquid Chromatograph	
USEPA	8330(S)	Active	Nitroaromatics and Nitramines by HPLC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	8330(W)	Active	Nitroaromatics and Nitramines by HPLC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	8331(S)	Active	Tetrazene in Soil by HPLC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Performance Liquid Chromatograph	
USEPA	8331(W)	Active	Tetrazene in Water by HPLC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Performance Liquid Chromatograph	
USEPA	8332	Active	Nitroglycerine by HPLC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	8410(A)	Active	Semivolatile Organics by GC/FTIR	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Fourier Transform Infrared Spectrophotomet	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	8410(BN)	Active	Semivolatile Organics by GC/FTIR, B/N Extrct	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Fourier Transform Infrared Spectrophotometer	
USEPA	8430	Active	Bis(2-Chloroethyl)Ether Products by GC/FTIR	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Fourier Transform Infrared Spectrophotometer	
USEPA	8440	Active	TRPH by Infrared Spectrophotometry	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Fourier Transform Infrared Spectrophotometer	
USEPA	8515	Active	Colorimetric Method for TNT in Soil	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Colorimeter	
USEPA	8520	Active	Formaldehyde in Ambient Air	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Spectrophotometer	
USEPA	9 (OPACITY)	Active	Opacity of Air Emissions	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Human Eye	
USEPA	9 (TRITIUM)	Active	Low Level Tritium in Water	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Liquid Scintillation Counter	
USEPA	900	Active	Gross Alpha and Beta Activity in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	
USEPA	900.1	Active	Radium in Drinking Water	USEPA, 1980, Prescribed Procedures for	Alpha	

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				Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Scintillation Detector	
USEPA	901	Active	Radioactive Cesium in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Gamma Spectrophotometer	
USEPA	901.1	Active	Gamma Emitters in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	High Resolution Gamma Spectrophotometer	
USEPA	9010A(A)	Active	Total and Amenable Cyanides by Colorimetry	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Colorimeter	
USEPA	9010A(B)	Active	Total and Amenable Cyanides by Titration	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Titration Apparatus	
USEPA	9012	Active	Total and Amenable Cyanides	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Colorimeter	
USEPA	9012A	Active	Total and Amenable Cyanide (Auto UV)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	9013	Active	Cyanide Extraction for Solids and Oils	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	No equipment	
USEPA	902	Active	Radioactive Iodine in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Beta Gas Proportional Detector	
USEPA	9020B	Active	Total Organic Halides by Coulometry	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Total Organic Halogen Analyzer	
USEPA	9021	Active	Purgeable Organic Halides	USEPA, 1992, Test Methods for Evaluating Solid	Titration	

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			in Water	Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Apparatus	
USEPA	9022	Active	Total Organic Halides, Neutron Activation	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	High Resolution Gamma Spectrophotometer	
USEPA	9023	Active	Extractable Organic Halides in Solids	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	903	Active	Radium in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha Scintillation Detector	
USEPA	903.1	Active	Radium-226 in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha Scintillation Detector	
USEPA	9030A	Active	Acid Soluble and Acid Insoluble Sulfides	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Titration Apparatus	
USEPA	9031	Active	Extractable Sulfides by Titration	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Titration Apparatus	
USEPA	9035	Active	Sulfate by Automated Colorimetry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Colorimeter	
USEPA	9036	Active	Sulfate by Automated Colorimetry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	AutoAnalyzer	
USEPA	9038	Active	Sulfate by Turbidimetric Determination	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Turbidimeter	
USEPA	904	Active	Radium-228 in Drinking	USEPA, 1980, Prescribed Procedures for	Beta Gas	

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			Water	Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Proportional Detector	
USEPA	9040A	Active	pH in Water by Electrometric Measurement	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	
USEPA	9041A	Active	pH using Paper	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Generic inspection-related equipment(eg color charts)	
USEPA	9045B	Active	Soil and Waste pH	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	
USEPA	905	Active	Radioactive Strontium in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Beta Gas Proportional Detector	
USEPA	9050	Active	Specific Conductance	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Conductivity Bridge	
USEPA	9050A	Active	Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Meter	
USEPA	9056	Active	Anion Chromatography Method	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Ion Chromatograph	
USEPA	9057	Active	Impinger Solutions for Cl- by ICP	USEPA, 1991, Methods Manual for Compliance with the BIF Regulations, Burning Hazardous Waste in Boilers and Industrial Furnaces, USEPA, EPA 530/SW-91-010	Ion Chromatograph	
USEPA	906	Active	Tritium in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Liquid Scintillation Counter	

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USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	
USEPA	9060AM	Active	Total Volatile Organic Carbon	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Total Organic Carbon - UV Oxidation - IR/FID Detector	
USEPA	9065	Active	Total Phenolics by Spectroscopy	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Spectrophotometer	
USEPA	9066	Active	Total Phenolics by Automated Colorimetry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	AutoAnalyzer	
USEPA	9067	Active	Total Phenolics by Spectrophotometry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Spectrophotometer	
USEPA	907	Active	Actinides in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	
USEPA	9070	Active	Total Recoverable Oil and Grease	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Laboratory Balance	
USEPA	9071A	Active	Oil and Grease in Sludge and Sediment	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Laboratory Balance	
USEPA	9075	Active	Total Chlorine in Petroleum Products	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	X-ray Fluorescence Spectrophotometer	
USEPA	9076	Active	Total Chlorine in Petroleum Products	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Coulometric Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	9077(A)	Active	Total Chlorine in Petroleum Products	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Field/Laboratory Test Kit	
USEPA	9077(B)	Active	Total Chlorine in Petroleum Products	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Field/Laboratory Test Kit	
USEPA	9077(C)	Active	Total Chlorine in Petroleum Products	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Field/Laboratory Test Kit	
USEPA	9078	Active	Screening for PCBs in Soil	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Selective Electrode	
USEPA	9079	Active	Screening for PCBs in Transformer Oil	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Colorimeter	
USEPA	908	Active	Uranium in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	
USEPA	908.1	Active	Uranium in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Fluorometer	
USEPA	9080	Active	Cation-Exchange Capacity of Soils	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	No equipment	
USEPA	9081	Active	Cation-Exchange Capacity of Soils	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	No equipment	
USEPA	9131	Active	Total Coliform by Multiple Tube Fermentation	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Generic inspection-related equipment(eg	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					color charts)	
USEPA	9132	Active	Total Coliform by Membrane Filter	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Optical Microscope	
USEPA	9200	Active	Nitrate in Water by Spectrophotometry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Spectrophotometer	
USEPA	9200A	Active	Nitrate in Water by Spectrophotometry	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Spectrophotometer	
USEPA	9210	Active	Nitrate in Water by ISE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Selective Electrode	
USEPA	9211	Active	Bromide in Water by ISE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Selective Electrode	
USEPA	9212	Active	Chloride in Water by ISE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Selective Electrode	
USEPA	9213	Active	Cyanide in Water by ISE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Selective Electrode	
USEPA	9214	Active	Fluoride in Water by ISE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Selective Electrode	
USEPA	9215	Active	Sulfide in Water by ISE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Selective Electrode	
USEPA	9250	Active	Chloride by Automated Colorimetry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	9251	Active	Chloride by Automated Colorimetry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	AutoAnalyzer	
USEPA	9252A	Active	Chloride in Water and Waste by Titration	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Titration Apparatus	
USEPA	9253	Active	Chloride in Water and Waste by Titration	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Titration Apparatus	
USEPA	9310	Active	Gross Alpha and Beta	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Alpha G particle counter	
USEPA	9315	Active	Alpha Emitting Radium Isotopes in Water	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Alpha Scintillation Detector	
USEPA	9320	Active	Radium-228	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Beta Gas Proportional Detector	
USEPA	AM-01	Active	Americium-241 in Ashed Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Spectrophotometer	
USEPA	C-001-1	Active	Alkalinity of Water by Titration	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Titration Apparatus	
USEPA	C-002-1	Active	COD by Open Reflux	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Titration Apparatus	
USEPA	C-003-1	Active	Anions by Ion Chromatography	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Ion Chromatograph	
USEPA	C-004-1	Active	Total Hardness by Colorimetry	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Colorimeter	
USEPA	C-005-1	Active	Oil and Grease by	USEPA, 1994, Field Methods Compendium.,	Laboratory	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Extraction/Gravimetry	USEPA, FMC_METHODS	Balance	
USEPA	C-006-1	Active	Total Dissolved Solids in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Laboratory Balance	
USEPA	C-007-1	Active	Total Organic Carbon in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Total Organic Carbon - UV Oxidation - IR/FID Detector	
USEPA	C-008-1	Active	Total Suspended Solids in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Laboratory Balance	
USEPA	C-01	Active	Carbon-14 in Aqueous Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Beta Gas Proportional Detector	
USEPA	C-010-1	Active	Soil Extractable Organics by Gravimetry	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Laboratory Balance	
USEPA	C-011-1	Active	Soil % Moisture by Gravimetry	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Laboratory Balance	
USEPA	C-012-1	Active	Free Liquid in Wastes by Filtration	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Filtration Apparatus	
USEPA	C-013-1	Active	Soil pH	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	pH meter	
USEPA	C-014-1	Active	Specific Gravity of Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Pycnometer	
USEPA	C-015-1	Active	Total Carbon in Soil by Combustion	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Carbon Analyzer	
USEPA	C-017-1	Active	Water Level Measurement in Wells	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Generic method- specific equipment	
USEPA	C-018-1	Active	Controlled Pumping Test in Wells	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Generic method- specific	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					equipment	
USEPA	C-019-1	Active	Slug Test for Hydraulic Conductivity	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Generic method-specific equipment	
USEPA	CR-01	Active	Chromium-51 in Water Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Gamma Spectrophotometer	
USEPA	CTM-001	Active	Determination of Butadiene Emissions	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	GC with Flame Ionization Detector	
USEPA	CTM-002	Active	Determination of Particulate Matter	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	Generic method-specific equipment	
USEPA	CTM-004	Active	Determination of HCl Emissions	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	No equipment	
USEPA	CTM-005	Active	Determination of Condensable Emissions	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	No equipment	
USEPA	CTM-006	Active	Chromium Emissions from Electroplaters	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	No equipment	
USEPA	CTM-010	Active	Perchloroethylene of Wet Waste Materials	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	Generic method-specific equipment	
USEPA	CTM-011	Active	Determination of Halogenated Organics	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	GC with Flame Ionization Detector	
USEPA	DIOX(O)	Active	PCDD and PCDF in Chemical Waste by CGC/MS	USEPA, 19--, CLP SOW Analysis for PCDD/PCDF, USEPA, DFLMO1_0	Capillary Gas Chromatograph with Mass Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	DIOX(S)	Active	PCDD and PCDF in Soil by CGC/MS	USEPA, 19--., CLP SOW Analysis for PCDD/PCDF, USEPA, DFLMO1_0	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	DIOX(W)	Active	PCDD and PCDF in Water by CGC/MS	USEPA, 19--., CLP SOW Analysis for PCDD/PCDF, USEPA, DFLMO1_0	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	EV-024	Active	Tin and Triorganotin in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Flame Atomic Absorption Spectrophotometer	
USEPA	EV-025	Active	Tin and Triorganotin in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	FE-01	Active	Iron-55 in Water Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Liquid Scintillation Counter	
USEPA	H-01	Active	Tritium in Milk, Soil, Urine and Biota	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Liquid Scintillation Counter	
USEPA	H-02	Active	Tritium in Water	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Liquid Scintillation Counter	
USEPA	H-03	Active	Tritium in Water	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Liquid Scintillation Counter	
USEPA	HERL_001	Active	Organochlorine Pesticides in Tissue	USEPA, 19--., Manual of Analytical Methods for the Analysis of Pesticides in Humans and	GC with Electrolytic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Environmental Samples., USEPA, HERL_METHODS	Conductivity Detector	
USEPA	HERL_002	Active	HCB and Mirex in Tissue	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	HERL_003	Active	Pesticides in Tissue and Human Milk	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	HERL_004	Active	Pesticides in Blood or Serum	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	HERL_005	Active	Pentachlorophenol in Blood	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electron Capture Detector	
USEPA	HERL_006	Active	Pentachlorophenol and Salts in Urine	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	HERL_007	Active	Bis(p-Chlorophenyl) Acetic Acid in Urine	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electron Capture Detector	
USEPA	HERL_008	Active	2,4-D and 2,4,5-T in Urine	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electron Capture Detector	
USEPA	HERL_009	Active	Kepone in Blood and Environmental Samples	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA,	GC with Electrolytic Conductivity	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				HERL_METHODS	Detector	
USEPA	HERL_010	Active	Pesticides and Metabolites in Tissue	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Flame Photometric Detector	
USEPA	HERL_011	Active	Metabolites or Hydrolysis Products	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Flame Photometric Detector	
USEPA	HERL_012	Active	para-Nitrophenol in Urine	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	HERL_013	Active	Cholinesterase Activity in Blood	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	Titration Apparatus	
USEPA	HERL_014	Active	1-Naphthol in Urine	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electron Capture Detector	
USEPA	HERL_016	Active	Pesticides in Air	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Flame Photometric Detector	
USEPA	HERL_017	Active	PCBs in Human Milk by Macro Method	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	HERL_018	Active	PCBs in Human Milk by Micro Method	USEPA, 19--, Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	HERL_020	Active	PCBs in Adipose Tissue	USEPA, 19--., Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electron Capture Detector	
USEPA	HERL_021	Active	TCDD Residues	USEPA, 19--., Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Low Resolution Mass Spectrophotometer	
USEPA	HERL_022	Active	Analysis of Water for Pesticides	USEPA, 19--., Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	HERL_023	Active	Analysis of Water for Herbicides	USEPA, 19--., Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	HERL_024	Active	Insecticides in Soils and Housedust	USEPA, 19--., Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	HERL_025	Active	Insecticides in Bottom Sediment	USEPA, 19--., Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	HERL_026	Active	Pesticides in Human Tissue and Milk	USEPA, 19--., Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electron Capture Detector	
USEPA	HERL_030	Active	Infrared Spectroscopy	USEPA, 19--., Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	Infrared Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	I-001-1	Active	Metals in Soil by XRF	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	X-ray Fluorescence Spectrophotometer	
USEPA	I-002-1	Active	Digestion/Analysis of Soil by Flame AA	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Flame Atomic Absorption Spectrophotometer	
USEPA	I-003-1	Active	Hexavalent Chromium	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Colorimeter	
USEPA	I-004-1	Active	Digestion/Analysis of Waters by FLAA	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Flame Atomic Absorption Spectrophotometer	
USEPA	I-005-1	Active	Mercury by CVAA	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	I-006-1	Active	Mercury by CVAA	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	I-01	Active	Iodine-131 in Drinking Water	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Beta Gas Proportional Detector	
USEPA	I-02	Active	Iodine-131 in Milk	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Beta Gas Proportional Detector	
USEPA	I-03	Active	Low Level Iodine-131 in Milk	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Beta Gas Proportional Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	ICP-AES	Active	Inductively Coupled Plasma	USEPA, 19--, CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	IM-002-1	Active	Field Screening by Portable XRF	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	No equipment	
USEPA	IM-003-1	Active	Metals by Flame AA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
USEPA	INTERIM1	Active	Hydrogen Cyanide Released from Wastes	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Generic inspection-related equipment(eg color charts)	
USEPA	INTERIM2	Active	Hydrogen Sulfide Released from Wastes	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Generic inspection-related equipment(eg color charts)	
USEPA	IP-10A	Active	Respirable Particulates in Indoor Air	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	No equipment	
USEPA	IP-10B	Active	Respirable Particulates in Indoor Air	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	No equipment	
USEPA	IP-1A	Active	Volatiles in Air - SUMMA Canister	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Capillary Gas Chromatograph with Mass Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	IP-1A-B	Active	Volatiles in Air - Portable GC/PID	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	GC with Photoionization Detector	
USEPA	IP-1A-C	Active	Installation and Operation Procedure	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	No equipment	
USEPA	IP-1B	Active	Volatiles in Air - Adsorbent Tubes	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	IP-2A	Active	Nicotine in Indoor Air - XAD-4	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Capillary GC with Nitrogen-phosphorus Detector	
USEPA	IP-2B	Active	Nicotine in Indoor Air- Cassette	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Capillary GC with Nitrogen-phosphorus Detector	
USEPA	IP-3A	Active	Carbon Monoxide in Air - NDIR	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Nondispersive Infrared Spectrophotometer	
USEPA	IP-3B	Active	Carbon Monoxide in Air - GFC	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Gas Filter Correlation Comparison	
USEPA	IP-3C	Active	Carbon Monoxide in Air - ECO	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Electrochemical Detector	
USEPA	IP-5A	Active	Nitrogen Dioxide - Air, Luminescence	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Fluorometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	IP-5B	Active	Nitrogen Dioxide - Air, Palmes Tubes	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Spectrophotometer	
USEPA	IP-5C	Active	Nitrogen Dioxide - Air, IONCHR	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Ion Chromatograph	
USEPA	IP-6A	Active	Formaldehyde - Indoor Air, HPLC	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	High Performance Liquid Chromatography with Ultraviolet Detector	
USEPA	IP-6B	Active	Formaldehyde in Air - Colorimetric	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Colorimeter	
USEPA	IP-6C	Active	Formaldehyde in Air - Passive Sampling	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	High Performance Liquid Chromatography with Ultraviolet Detector	
USEPA	IP-7-A	Active	B(a)P in Air by GC/FID and GC/MS	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Capillary GC with Flame Ionization Detector	
USEPA	IP-7-B	Active	B(a)P and PAHs in Air by HPLC	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	High Performance Liquid Chromatograph	
USEPA	IP-8	Active	Organochlorine Pesticides - Indoor Air	USEPA, 1989, Compendium of Methods for the Determination of Air Pollutants in Indoor Air, USEPA, AREAL_METHODS_2	Capillary GC Electron Capture Detector	
USEPA	ITM-001	Active	Metals Emissions from Stationary Sources	USEPA, 19--, Emission Measurement Technical, USEPA, EMTIC_BULLETIN	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	KR-01	Active	Krypton-85 in Environmental Air Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Liquid Scintillation Counter	
USEPA	LC_PEST	Active	Low Concentration Water for Pesticides	USEPA, 19--, Low Concentration Water for Org, USEPA, LC_ORGANICS_SOW	Capillary GC Electron Capture Detector	
USEPA	LC_SV	Active	Semivolatiles in Low Concentration Water	USEPA, 19--, Low Concentration Water for Org, USEPA, LC_ORGANICS_SOW	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	LC_VOA	Active	Volatile Organics in Low Concentration Water	USEPA, 19--, Low Concentration Water for Org, USEPA, LC_ORGANICS_SOW	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	MC_PEST(S)	Active	Organic Analysis For Pesticides/Aroclors	USEPA, 19--, Multi-Media, Conc Organics, USEPA, OLM02_0	Capillary GC Electron Capture Detector	
USEPA	MC_PEST(W)	Active	Organic Analysis For Pesticides/Aroclors	USEPA, 19--, Multi-Media, Conc Organics, USEPA, OLM02_0	Capillary GC Electron Capture Detector	
USEPA	MC_SVOA	Active	Screening Semivolatile Organic Extracts	USEPA, 19--, Multi-Media, Conc Organics, USEPA, OLM02_0	GC with Flame Ionization Detector	
USEPA	MC_SVOA(LS)	Active	Semivolatile Organics in Low Conc. Soils	USEPA, 19--, Multi-Media, Conc Organics, USEPA, OLM02_0	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	MC_SVOA(MS)	Active	Semivolatile Organics in Medium Conc. Soil	USEPA, 19--, Multi-Media, Conc Organics, USEPA, OLM02_0	Capillary Gas Chromatograph	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					with Mass Spectrophotometer	
USEPA	MC_SVOA(W)	Active	Semivolatile Organics in Waters	USEPA, 19--, Multi-Media, Conc Organics, USEPA, OLM02_0	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	MC_VOA	Active	Screening of Hexadecane Extracts	USEPA, 19--, Multi-Media, Conc Organics, USEPA, OLM02_0	GC with Low Resolution Mass Spectrophotometer	
USEPA	MC_VOA(LS)	Active	Volatile Organics in Low Concentration Soils	USEPA, 19--, Multi-Media, Conc Organics, USEPA, OLM02_0	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	MC_VOA(MS)	Active	Volatile Organics in Medium Conc. Soils	USEPA, 19--, Multi-Media, Conc Organics, USEPA, OLM02_0	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	MC_VOA(W)	Active	Volatile Organics in Multi-Conc. Waters	USEPA, 19--, Multi-Media, Conc Organics, USEPA, OLM02_0	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	O-001-1	Active	Pentachlorophenol in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	O-002-1	Active	TPH in Soil by IR of Freon Extract	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Infrared Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	O-003-1	Active	TPH in Soil by GC/PID of Methanol Extract	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	O-004-1	Active	TPH in Soil by GC/FID of CH ₂ Cl ₂ Extracts	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	O-005-1	Active	Phenols in Water and Soil by GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	O-006-1	Active	TPH by Headspace GC/PID	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	GC with Photoionization Detector	
USEPA	O-008-1	Active	Pentachlorophenol in Soil by GC/ECD	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	O-009-1	Active	TPH in Soil by GC/FID of CH ₂ Cl ₂ Extracts	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	OA-001-1	Active	Field Use of Sentex Scentograph GC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	GC with Electrolytic Conductivity Detector	
USEPA	OA-002-1	Active	VOCs by GC/MS of Cartridges/Cylinders	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Low Resolution Mass Spectrophotometer	
USEPA	OA-003-1	Active	Field Survey with PID Vapor Detector	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	No equipment	
USEPA	OA-004-1	Active	Field Use of Photovac Portable GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Detector	
USEPA	OA-005-1	Active	Field Use of Photovac Portable GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	OA-006-1	Active	Photovac Portable GC for Soil/Water/Air	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	OHC	Active	Organics Analysis, Multi-Media, Hi-Conc	USEPA, 19--., CLP Method, High Concentration, USEPA, CLP-SOW-HC	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	OSW-A	Active	Metals in Incinerator Exhausts	USEPA, 1991, Methods Manual for Compliance with the BIF Regulations, Burning Hazardous Waste in Boilers and Industrial Furnaces, USEPA, EPA 530/SW-91-010	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	OSW-B	Active	Hexavalent Chromium in Stack Emissions	USEPA, 1991, Methods Manual for Compliance with the BIF Regulations, Burning Hazardous Waste in Boilers and Industrial Furnaces, USEPA, EPA 530/SW-91-010	Ion Chromatograph	
USEPA	P-001-1	Active	Chlorinated Pesticides in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	P-002-1	Active	Field Screen for Chlorinated Pesticides	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	P-003-1	Active	Chlorinated Pesticides in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	P-004-1	Active	Field Screen for Chlorinated Pesticides	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	P-005-1	Active	Organophosphorus Pesticides in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Photometric Detector	
USEPA	P-006-1	Active	Organophosphorus Pesticides in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Photometric Detector	
USEPA	P-007-1	Active	Phenoxyherbicides in Soil/Sediment	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	P-008-1	Active	Phenoxyherbicides in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	P-009-1	Active	CLP Pesticide/PCB in Water/Soil by GC/EC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	GC with Electrolytic Conductivity Detector	
USEPA	P-01	Active	Phosphorus-32 in Fish Muscle	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Liquid Scintillation Counter	
USEPA	P-011-1	Active	Chlorinated Pesticides in Soil by GC/ECD	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	P-02	Active	Stable Phosphorous in Biological Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PAH-001(S)	Active	Field Analysis of PAHs by GC/FID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	PAH-001(W)	Active	Field Analysis of PAHs by GC/FID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	PAH-002	Active	PAHs in Water by GC/FID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	PAH-005	Active	Polycyclic Aromatic Hydrocarbons in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	PAH-006	Active	Polycyclic Aromatic Hydrocarbons in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	PAH-008	Active	Total PAHs in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Spectrophotometer	
USEPA	PAH-009	Active	Analysis of PAHs by GC/FID and GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	PAH-011	Active	Analysis of PAHs in Soil by GC/FID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	No equipment	
USEPA	PAH-012	Active	Analysis of PAHs in Soil by HPLC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	No equipment	
USEPA	PART_1	Active	Trihalomethanes in Water by Purge and Trap	USEPA, 1993, 40 CFR Part 141, (National Primary Drinking Water Regulations), USEPA, 40CFR_141	GC with Halogen Specific Detector	
USEPA	PART_2	Active	Trihalomethanes in Drinking Water by GC	USEPA, 1993, 40 CFR Part 141, (National Primary Drinking Water Regulations), USEPA, 40CFR_141	GC with Electrolytic Conductivity Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PART_3	Active	Maximum Total Trihalomethane Potential	USEPA, 1993, 40 CFR Part 141, (National Primary Drinking Water Regulations), USEPA, 40CFR_141	No equipment	
USEPA	PB-01	Active	Lead-210 in Water and Solid Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Beta Gas Proportional Detector	
USEPA	PCB-002	Active	Field Screening of PCBs in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	PCB-003	Active	PCBs in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	PCB-004	Active	Screening for PCBs in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	PCB-005	Active	PCBs and Pesticide in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	PCB-006	Active	PCBs in Soil as Decachlorobiphenyl by GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	PCB-008	Active	Field Analysis of PCBs in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	No equipment	
USEPA	PCB-009	Active	PCBs in Soil and Oil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PM-01	Active	Promethium-147 in Aqueous and Urine Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Liquid Scintillation Counter	
USEPA	PM-02	Active	Promethium-147 in Feces Ash	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Liquid Scintillation Counter	
USEPA	PMD-ACA	Active	Acifluorfen by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ACG(GC)	Active	Acephate, Dicofof and Triforine by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ACG(LC1)	Active	Dicofof by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ACG(LC2)	Active	Triforine by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AKY(GC1)	Active	Alachlor by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AKY(GC2)	Active	Alachlor by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AM-S	Active	AMS by Sodium Nitrate Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-AMN	Active	4-Aminopyridine by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AMT	Active	Amitrole by Visible Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ANF(GC)	Active	Anilazine by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ANF(IR)	Active	Anilazine by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ANT	Active	Antimycin A by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ANY	Active	ANTU by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AS(ATE)	Active	Arsenate by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AS(ITE)	Active	Sodium Arsenite by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-AS(TIT1)	Active	Total Arsenic by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AS(TIT2)	Active	Total Arsenic by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AS(TIT3)	Active	Inorganic Arsenic Compounds by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AS(TIT4)	Active	Organic Arsenic by Digestion and Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AS(TIT5)	Active	Arsenic in Organic Compounds by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ASU	Active	Asulam by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ATR	Active	Atrazine and Metolachlor by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ATR(GC1)	Active	Atrazine by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-ATR(GC2)	Active	Atrazine and Metolachlor by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ATR(IR)	Active	Atrazine by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ATR(LC)	Active	Atrazine by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-AZN	Active	Azinphos-Methyl by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BDX	Active	Benalaxyl by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BEB(IR)	Active	Bendiocarb by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BEB(LC)	Active	Bendiocarb by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BEB(UV)	Active	Bendiocarb by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-	Active	Benefin by GC	Association of Official Analytical Chemists, 19--,	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	BEE(GC)			Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-BEE(IR)	Active	Benefin by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BEH(IR)	Active	Benomyl by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BEH(UV)	Active	Benomyl by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BEL(IR)	Active	Bensulide by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BEL(LC)	Active	Bensulide by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BEN(LC)	Active	Bentazon by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BEN(UV)	Active	Bentazon by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BEO	Active	Thiobencarb by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-BIL	Active	Bitertanol by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BIN	Active	Binapacryl by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BOR	Active	Boron Compounds by Ignition and Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BRA	Active	Bromadiolone by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BRO	Active	Bromacil by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BYA(GC1)	Active	Butylate by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BYA(GC2)	Active	Butylate by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BYA(LC1)	Active	Butylate by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-BYA(LC2)	Active	Butylate by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CAO	Active	Captafol by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CAP(GC1)	Active	Captan by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CAP(GC2)	Active	Captan, Carbaryl and Naled by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CAP(IR)	Active	Captan by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CAP(LC)	Active	Captan by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CAV(LC)	Active	Carbaryl by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CAV(UV)	Active	Carbaryl by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-CBF	Active	Carbofuran by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CBX(IR)	Active	Carboxin by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CBX(UV)	Active	Carboxin by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CD	Active	Cadmium by AAS	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CGV	Active	Chlorbromuron by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CHP	Active	Chlorflurecol-Methyl Ester by UV Spec.	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CIB	Active	Chlorobenzilate by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CJL	Active	Chloroneb by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-CJO(LC)	Active	Chlorophacinone by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CJO(UV1)	Active	Chlorophacinone by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CJO(UV2)	Active	Chlorophacinone by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CKA	Active	Chloropicrin and 1,3-DCPs by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CKL(GC)	Active	Chlorothalonil by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CKL(IR)	Active	Chlorothalonil by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CKR(GC)	Active	Chloroxuron by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CKR(IR)	Active	Chloroxuron in Dust by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-	Active	Chlorpyrifos by GC	Association of Official Analytical Chemists, 19--,	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	CLD(GC)			Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-CLD(IR)	Active	Chlorpyrifos by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CLD(UV)	Active	Chlorpyrifos by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CLV	Active	Chlorsulfuron by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CMN	Active	Cinmethalin by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-COQ	Active	Coumafuryl by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-COR(GC)	Active	Coumaphos by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-COR(IR)	Active	Coumaphos by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-COR(LC)	Active	Coumaphos by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-CPH	Active	Chlorophenoxy Herbicide Technical Data	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CRO	Active	Crotoxypfos by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CU-S	Active	Cupric Ion by Ion Chromatography	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CUC	Active	Cyanazine by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CYZ(GC1)	Active	Cyromazine in Trigard 75W by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CYZ(GC2)	Active	Cyromazine in Armor by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CYZ(GC3)	Active	Cyromazine in Armor Premix by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DAL	Active	Dalapon by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official	No equipment	

Field/Lab Analytical Procedures and Equipment Detail

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-DCA(GC1)	Active	2,4-D and 2,4,5-T Esters by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DCA(GC2)	Active	2,4-D and Silvex by Derivatization GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DEE(GC)	Active	DEET by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DEE(LC)	Active	DEET by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DFN	Active	Diazinon by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DGL	Active	Dibutyl Succinate by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DGV	Active	Dichlone by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DIC	Active	DICA by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-DJA	Active	Dichloran in Dusts by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DJG	Active	Dicrotophos by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DME	Active	Dimethoate by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DMF	Active	Dioxins in 2,4-D and 2,4,5-T by GC/MS	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DNE	Active	Dimethyl Phthalate by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DNR	Active	Dinitramine by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DNZ(IR)	Active	Dinocap by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DNZ(TITR)	Active	Dinocap by TKN and Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-DOG	Active	Dinoseb by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DOZ(LC1)	Active	Diphacinone by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DOZ(LC2)	Active	Diphacinone by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DOZ(UV)	Active	Diphacinone in Baits by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DPA(GC)	Active	Diphenamid by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DPA(IR)	Active	Diphenamid by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DPF	Active	Diphenylamine by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DQT	Active	Diquat (Dibromide) by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-	Active	Disulfoton and Fensulfothion	Association of Official Analytical Chemists, 19--,	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	DSN(GC)		by GC/FID	Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-DSN(IR)	Active	Disulfoton by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DUR(IR)	Active	Diuron by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DUR(LC)	Active	Diuron by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-EDF	Active	Edifenphos by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ENA	Active	Endosulfan by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ENB(GC)	Active	Endothall by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ENB(TITR)	Active	Endothall by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-EPI	Active	Epichlorohydrin by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-EPT	Active	EPTC by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ETF	Active	Ethofumesate by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ETI(GC)	Active	Ethion by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ETI(IR)	Active	Ethion by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ETN(GC)	Active	Ethoprop by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ETN(IR)	Active	Ethoprop by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-EUX(GC)	Active	Ethyl Hexanediol by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-EUX(TITR)	Active	Ethyl Hexanediol by Acetylation & Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-EZN	Active	Ethiozin by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-FBP	Active	Fenamiphos by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-FBR	Active	Fenarimol by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-FCL(GC)	Active	Ronnel by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-FCL(IR)	Active	Ronnel by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-FKN	Active	Fluchloralin by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-FLM	Active	Atrazine and Metolachlor by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-FLM(IR)	Active	Fluometuron by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-FLM(UV)	Active	Fluometuron by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-FOL	Active	Folpet by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-FON	Active	Fonofos by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-GLP	Active	Glyphosate by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-HXE	Active	Hexachlorophene by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-HXO(GC)	Active	Hexazinone by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-HXO(LC)	Active	Hexazinone by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-INB	Active	Indolebutyric Acid by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

Field/Lab Analytical Procedures and Equipment Detail

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-KAR(IR)	Active	Karbutilate by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-KAR(LC)	Active	Karbutilate by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-LIN	Active	Lindane by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-LIU(IR)	Active	Linuron by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-LIU(LC)	Active	Linuron by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-LIU(UV)	Active	Linuron by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-LMG	Active	Lemongrass Oil by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-LTF(LC1)	Active	Lactofen by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-	Active	Lactofen by HPLC	Association of Official Analytical Chemists, 19--,	No equipment	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	LTF(LC2)			Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-MAL(IR)	Active	Malathion by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MAL(LC)	Active	Malathion by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MAU(GC1)	Active	Ethylene thiourea by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MAU(GC2)	Active	Ethylene thiourea by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MBL	Active	Myclobutanil by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MBT(TITR)	Active	2-Mercaptobenzothiazole by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MBT(UV)	Active	2-Mercaptobenzothiazole by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MDZ	Active	Merphos by Internal Standard GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-MEA(GC)	Active	Metaldehyde by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MEA(IR)	Active	Metaldehyde by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MEL	Active	Methidathion by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MEM	Active	Methiocarb by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MER	Active	Methomyl by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MET	Active	Methoprene by Internal Standard GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MEY(GC)	Active	Methoxychlor by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MEY(IR)	Active	Methoxychlor by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-MEY(LC)	Active	Methoxychlor by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MFX	Active	Metalaxyl by Internal Standard GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MGC	Active	Methyl Nonyl Ketone (MNK) by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MGU(GC)	Active	Metobromuron by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MGU(IR)	Active	Metobromuron by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MHX	Active	Mexacarbate by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MHY(LC)	Active	Maleic Hydrazide (MH) by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MHY(UV)	Active	Maleic Hydrazide by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-MOK(GC)	Active	Monocrotophos by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MOK(IR)	Active	Monocrotophos by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MON(IR)	Active	Monuron by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MON(TITR)	Active	Monuron by Hydrolysis and Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-MON(UV)	Active	Monuron by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-NA-D	Active	Sodium Chlorate and Metaborate by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-NA-H	Active	Sodium Fluoride by Ion Chromatography	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-NAP	Active	Naphthaleneacetic Acid by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-NBL	Active	Naptalam by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-NCS	Active	Nicosulfuron by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-NEB(IR)	Active	Neburon by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-NEB(UV)	Active	Neburon by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-NIC	Active	Nicotine by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-NOB	Active	Norbormide by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-NTP(TIT1)	Active	Nitrophenols by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-NTP(TIT2)	Active	Nitrophenols by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ORY	Active	Oryazlin by UV	Association of Official Analytical Chemists, 19--,	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Spectroscopy	Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-OVO	Active	Ovex by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-OXB	Active	Oxamyl by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-P-HS	Active	Phosphorus by Digestion and Gravimetry	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PAD(GC)	Active	p-Dichlorobenzene by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PAD(IR)	Active	p-Dichlorobenzene by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PAP	Active	Paraquat by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PAR(GC)	Active	Parathion in Carbaryl by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PAR(LC)	Active	Parathion by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-PBS	Active	Polybrominated Salicylanilides by UV	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PCP(GC)	Active	Pentachlorophenol by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PCP(LC)	Active	Pentachlorophenol by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PFH(GC)	Active	Phenols and Chlorophenols by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PFH(TD)	Active	Phenols and Chlorophenols Technical Data	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PFI	Active	Phenothiazine by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PGM	Active	Phorate by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PIE(LC)	Active	Pindone by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-PIE(UV)	Active	Pindone by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PIO	Active	Piperonyl Butoxide Qualitative Test	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PIX	Active	Pendimethalin by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PJB	Active	Pirimicarb by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PJE(GC)	Active	Pirimiphos-Ethyl by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PJM	Active	Pirimiphos-Methyl by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PNM(GC)	Active	Prochloraz by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PNM(LC)	Active	Prochloraz by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-POD	Active	Prometon and Simazine by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-POJ	Active	Propylene Glycol by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-POT(GC)	Active	Propargite by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-POT(IR)	Active	Propargite by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PPD	Active	Propionic Acid by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PYA(IR)	Active	Pyrazon by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PYA(UV)	Active	Pyrazon by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PYR(GC1)	Active	Pyrethrins by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-PYR(GC2)	Active	Pyrethrins, MGK-264 and PBTO by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PYR(LC1)	Active	Pyrethrins by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PYR(LC2)	Active	Pyrethrins, MGK-264 and PBTO by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PYR(TD)	Active	Pyrethrins, Technical Data	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-PYR(TITR)	Active	Pyrethrins I and II by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-QAC(COLR)	Active	Quaternary Ammonium Compounds Qualitative	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-QAC(TD)	Active	Quaternary Ammonium Compound Technical Data	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-QAC(TIT1)	Active	Quaternary Ammonium Compounds Ferricyanide	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-	Active	Quaternary Ammonium	Association of Official Analytical Chemists, 19--,	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	QAC(TIT2)		Compounds, Epton Titr.	Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-QAC(TIT3)	Active	Quaternary Ammonium Cl and Br by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-RES(GC1)	Active	Resmethrin in Aerosols by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-RES(GC2)	Active	Resmethrin by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-RES(IR)	Active	Resmethrin by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-RES(LC)	Active	Resmethrin in Aerosols by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ROT	Active	Rotenone by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-S-UF(GRV1)	Active	Sulfur by CS2 Extraction and Gravimetry	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-S-UF(GRV2)	Active	Sulfur by Oxidation and Gravimetry	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-S-UF(GRV3	Active	Sulfur by CS2 Extraction and Gravimetry	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-S-UO	Active	Sulfur Dioxide by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-SAE	Active	Salicylanilide by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-SEU	Active	Siduron by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-SIM	Active	Simazine by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-SN	Active	Tin in Organotins by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-STM(UV)	Active	Streptomycin by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-STM(VIS)	Active	Streptomycin by Visible Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-STY(GRAV)	Active	Strychnine by Acid Precipitation	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-STY(LC)	Active	Strychnine by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-STY(UV)	Active	Strychnine by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TBU	Active	Tribenuron Methyl Ester by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TDU	Active	Tebuthiuron by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TDZ	Active	Technazene by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TEI	Active	Terbacil by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TFB	Active	Tetrachlorvinphos by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-TFK	Active	Tetramethrin by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TFM	Active	Triflumizole by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TFU	Active	Lamprecid by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TFZ	Active	Thiabendazole by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-THN	Active	Thiophanate by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-THO	Active	Thiophanate-Methyl by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD- THR(IR)	Active	Thiram by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD- THR(LC)	Active	Thiram by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-THR(UV)	Active	Thiram by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TLC(OTP)	Active	Organothiophosphates by TLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TLC(TLC1)	Active	TLC Systems for Pesticide Identification	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TLC(TLC2)	Active	TLC Systems for Pesticide Identification	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TLL	Active	Triadimenol by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TPR	Active	Triclopyr by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TQA	Active	Triallate by GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TQO	Active	bis(Tri-n-butyltin) Oxide by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-	Active	Trichlorfon by GC/FID	Association of Official Analytical Chemists, 19--,	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	TRC(GC1)			Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-TRC(GC2)	Active	Trichlorfon by Derivatization and GC/FID	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TRC(IR)	Active	Trichlorfon by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TRC(LC)	Active	Trichlorfon by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-TSU	Active	Trifluralin by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-VAE	Active	PMP by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-VER(IR)	Active	Vernolate by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-VER(LC)	Active	Vernolate by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-WAR	Active	Warfarin and Sulfaquinoxaline by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-WAR(LC)	Active	Warfarin by HPLC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-WAR(UV)	Active	Warfarin by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-WTY	Active	Triethylene Glycol by GC/TCD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ZIR	Active	Ziram by UV Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ZN-T(GC)	Active	Zinc Phosphide by GC/FPD	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-ZN-T(TITR	Active	Zinc Phosphide by Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PU-01	Active	Plutonium in Water and Ashed Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Spectrophotometer	
USEPA	PU-02	Active	Plutonium-236 Tracer Solution	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	R-001-1	Active	QC for Alpha/Beta Sample Analysis	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	No equipment	
USEPA	R-002-1	Active	Gross Alpha/Beta Activity in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Alpha G particle counter	
USEPA	R-004-1	Active	Gross Alpha/Beta Activity in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Alpha G particle counter	
USEPA	R-005-1	Active	Gross Alpha/Beta Activity in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Alpha G particle counter	
USEPA	R-006-1	Active	Gross Alpha and Beta Activity in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Alpha G particle counter	
USEPA	R-007-1	Active	Gross Alpha/Beta Activity in Biota	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Alpha G particle counter	
USEPA	R-008-1	Active	Gross Alpha/Beta Activity in Biota, Extended	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Alpha G particle counter	
USEPA	RA-01	Active	Radium-226 in Solids	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Scintillation Detector	
USEPA	RA-02	Active	Radium-226 in Urine	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Scintillation Detector	
USEPA	RA-03	Active	Radium-226 in Water Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Scintillation Detector	
USEPA	RA-04	Active	Radium-226 De-emanation Procedure	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Scintillation Detector	
USEPA	RA-05	Active	Radium-228 in Water Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Beta Gas Proportional Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	S-001-1	Active	Semivolatiles in Water by CS2 Extraction	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	S-002-1	Active	Field Screening Semivolatiles in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	S-003-1	Active	Semivolatiles in Soil (MeCl2 Extraction)	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	S-004-1	Active	Field Screening Semivolatiles in Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	SFSAS_1	Active	Total Organic Carbon in Sediment	USEPA, Region II, 1988, Determination of Total Organic Carbon in Sediment, 1988, USEPA, Region II, EPA_REG_II	Elemental Analyzer	
USEPA	SFSAS_10	Active	Phenols in Sediment	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	Spectrophotometer	
USEPA	SFSAS_11	Active	Mercury in Sediment	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	SFSAS_12	Active	Mercury in Fish	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	SFSAS_13	Active	Metals in Sediment	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	No equipment	
USEPA	SFSAS_14	Active	Metals in Fish	USEPA, 1980, Methods for the Sampling and	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055		
USEPA	SFSAS_15	Active	Arsenic and Selenium in Sediment	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	No equipment	
USEPA	SFSAS_16	Active	Organics in Sediment	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	GC with Low Resolution Mass Spectrophotometer	
USEPA	SFSAS_17	Active	Ethylene Glycol in Water	New York State, Department of Health, Wadsworth Center, 1991, Tentative Method for the Determination of Ethylene Glycol in Water, Method Option B, New York State Department of Health, NYSDOH_WADSWORTH	Spectrophotometer	
USEPA	SFSAS_18	Active	Total Organic Carbon in Water	USEPA, 1981, Procedures for Handling and Chemical Analysis of Sediment and Water Samples, USEPA, EPA_CE_81-1	Total Organic Carbon - Infra-Red Detector	
USEPA	SFSAS_19	Active	Total Organic Carbon in Sediment	USEPA, 1981, Procedures for Handling and Chemical Analysis of Sediment and Water Samples, USEPA, EPA_CE_81-1	Elemental Analyzer	
USEPA	SFSAS_2	Active	PCBs in Transformer Fluid and Waste Oil	USEPA, 1982, Test Method for the Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, USEPA, EPA 600/4-81-045	Gas Chromatograph	
USEPA	SFSAS_20	Active	Total Phosphates in Water	USEPA, 1981, Procedures for Handling and Chemical Analysis of Sediment and Water Samples, USEPA, EPA_CE_81-1	Spectrophotometer	
USEPA	SFSAS_21	Active	Soil Volume by Volumetric Method	Army Corps of Engineers, 1970, Engineering and Design, Laboratory Soils Testing, Army Corps of Engineers, EM 1110-2-1906	Laboratory Balance	
USEPA	SFSAS_22	Active	Soil Volume by Displacement Method	Army Corps of Engineers, 1970, Engineering and Design, Laboratory Soils Testing, Army Corps of Engineers, EM 1110-2-1906	Laboratory Balance	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	SFSAS_23	Active	Flow of Water Through Soil	Army Corps of Engineers, 1970, Engineering and Design, Laboratory Soils Testing, Army Corps of Engineers, EM 1110-2-1906	Generic method-specific equipment	
USEPA	SFSAS_24	Active	Permeability of Cohesionless Soil	Army Corps of Engineers, 1970, Engineering and Design, Laboratory Soils Testing, Army Corps of Engineers, EM 1110-2-1906	Generic method-specific equipment	
USEPA	SFSAS_25	Active	Permeability of Soil	Army Corps of Engineers, 1970, Engineering and Design, Laboratory Soils Testing, Army Corps of Engineers, EM 1110-2-1906	Generic method-specific equipment	
USEPA	SFSAS_26	Active	Permeability of Soil with Back Pressure	Army Corps of Engineers, 1970, Engineering and Design, Laboratory Soils Testing, Army Corps of Engineers, EM 1110-2-1906	Generic method-specific equipment	
USEPA	SFSAS_27	Active	Permeability of Soil with Consolidometer	Army Corps of Engineers, 1970, Engineering and Design, Laboratory Soils Testing, Army Corps of Engineers, EM 1110-2-1906	Generic method-specific equipment	
USEPA	SFSAS_28	Active	Permeability of Soil Using Constant-Head	Army Corps of Engineers, 1970, Engineering and Design, Laboratory Soils Testing, Army Corps of Engineers, EM 1110-2-1906	Generic method-specific equipment	
USEPA	SFSAS_29	Active	Organics in Biological Tissue	Army Corps of Engineers, 1970, Engineering and Design, Laboratory Soils Testing, Army Corps of Engineers, EM 1110-2-1906	GC with Electrolytic Conductivity Detector	
USEPA	SFSAS_3	Active	Chlorinated Pesticides in Sediments	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	No equipment	
USEPA	SFSAS_4	Active	Chlorinated Pesticides in Fish	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	No equipment	
USEPA	SFSAS_5	Active	Purgeable Organics in Fish	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	GC with Low Resolution Mass Spectrophotomet	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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USEPA	SFSAS_6	Active	Organics in Fish	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	GC with Low Resolution Mass Spectrophotometer	
USEPA	SFSAS_7	Active	Purgeable Organics in Sediment	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	GC with Low Resolution Mass Spectrophotometer	
USEPA	SFSAS_8	Active	Cyanide in Sediment	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	Spectrophotometer	
USEPA	SFSAS_9	Active	Cyanide in Fish	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	Spectrophotometer	
USEPA	SR-01	Active	Radiostrontium in Food Ash and Solids	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Beta Gas Proportional Detector	
USEPA	SR-02	Active	Radiostrontium in Milk	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Beta Gas Proportional Detector	
USEPA	SR-03	Active	Strontium-90 in Urine	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Beta Gas Proportional Detector	
USEPA	SR-04	Active	Radiostrontium in Aqueous Media	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Beta Gas Proportional Detector	
USEPA	TH-01	Active	Thorium-234 Tracer Solution	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	No equipment	
USEPA	TO-1	Active	Volatile Nonpolar Organics	USEPA, 1988, Compendium of Methods for the	Capillary Gas	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			in Air	Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	Chromatograph with Mass Spectrophotometer	
USEPA	TO-10	Active	Organochlorine Pesticides in Air	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	GC with Electrolytic Conductivity Detector	
USEPA	TO-11	Active	Formaldehyde in Ambient Air	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	High Performance Liquid Chromatography with Ultraviolet Detector	
USEPA	TO-12	Active	Non-Methane Organic in Ambient Air	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	Flame Ionization Detector	
USEPA	TO-13	Active	Benzo(a)Pyrene and PAHs - Ambient Air	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	GC with Flame Ionization Detector	
USEPA	TO-14	Active	Volatile Organics in Air by GC	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	TO-14B	Active	Volatile Organics by Portable GC	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	Portable Gas Chromatograph	
USEPA	TO-2	Active	Highly Volatile Nonpolar Organics	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	Capillary Gas Chromatograph with Mass Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	TO-3	Active	Volatile Nonpolar Organics in Air	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	GC with Flame Ionization Detector	
USEPA	TO-4	Active	O-C Pesticides and PCB - Ambient Air	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	GC with Electrolytic Conductivity Detector	
USEPA	TO-5	Active	Aldehydes and Ketones in Air	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	TO-6	Active	Phosgene Determination in Air	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	TO-7	Active	N-Nitrosodimethylamine in Air	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	TO-8	Active	Cresols and Phenols in Air by HPLC	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	TO-9	Active	Dioxin in Air by HRGC/HRMS	USEPA, 1988, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, USEPA, EPA 600/4-89-017	Capillary GC with High Resolution Mass Spectrophotomet	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	U-01	Active	Uranium-232 Tracer Solution	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	No equipment	
USEPA	VA-001-1	Active	VOCs in Air by GC of Sorbent Tubes	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VA-002-1	Active	Halogenated VOCs in Air by GC/ELCD	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electron Capture Detector	
USEPA	VA-003-1	Active	VOCs in Air by Portable GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VA-004-1	Active	Halogenated VOCs in Air by Direct GC/EC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	VA-005-1	Active	VOCs in Air by Purge and Trap GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VA-006-1	Active	VOCs in Ambient Air by Portable GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VA-007-1	Active	VOCs in Ambient Air by Direct GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VA-008-1	Active	VOCs in Air by Automated Portable GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VG-001-1	Active	VOCs in Soil Gas by Adsorbent Tube	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Gas Chromatograph	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	VG-002-1	Active	Halogenated VOCs in Soil Gas by GC/ELCD	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electron Capture Detector	
USEPA	VG-003-1	Active	Halogenated VOCs in Soil Gas by GC/EC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	VG-004-1	Active	Halogenated VOCs in Soil Gas by GC/ECD	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	VG-005-1	Active	Halogenated VOCs in Soil Gas by GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VG-006-1	Active	VOCs in Soil Gas by Purge and Trap GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VG-007-1	Active	VOCs in Air by Thermal Desorption GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electron Capture Detector	
USEPA	VG-008-1	Active	VOCs in Soil Gas by GC of Sorbent Tubes	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VG-009-1	Active	VOCs in Soil Gas by Direct GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VG-010-1(ECD)	Active	VOCs in Soil Gas by Portable GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	VG-010-1(PID)	Active	VOCs in Soil Gas by Portable GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	VG-011-1	Active	VOCs in Gas by Purge and Trap GC/ELCD/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electron Capture Detector	
USEPA	VS-001-1	Active	VOCs in Soil by Purge and Trap GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VS-002-1	Active	VOCs in Soil by Automated Headspace GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VS-003-1	Active	VOCs in Soil by GC/ECD of Extract	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	VS-004-1	Active	VOCs in Soil by GC/FID of CS2 Extracts	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	VS-005-1	Active	VOCs in Soil by Headspace GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VS-006-1	Active	VOCs in Water/Soil by Purge and Trap GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VW-001-1	Active	VOCs in Water by Purge and Trap GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VW-002-1	Active	VOCs in Water by Automated Headspace GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VW-003-1	Active	VOCs in Water by Automated Headspace GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VW-004-1	Active	VOCs in Water by Manual	USEPA, 1994, Field Methods Compendium.,	GC with	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Headspace GC	USEPA, FMC_METHODS	Photoionization Detector	
USEPA	VW-005-1	Active	VOCs in Water by GC/ECD of Extracts	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	
USEPA	VW-006-1	Active	VOCs in Water by GC/FID of CS2 Extracts	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	VW-007-1	Active	VOCs in Water by Headspace GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VW-008-1	Active	VOCs in Water by Purge and Trap GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VW-010-1(S)	Active	VOCs in Water/Soil by Headspace GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VW-010-1(W)	Active	VOCs in Water/Soil by Headspace GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VW-011-1	Active	VOCs in Water/Soil by Purge and Trap GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VW-012-1	Active	VOCs in Water/Soil by Purge and Trap GC	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Photoionization Detector	
USEPA	VW-013-1	Active	VOCs in Water/Soil by Headspace GC/FID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	VW-014-1	Active	VOCs in Water by Purge	USEPA, 1994, Field Methods Compendium.,	GC with	

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Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			and Trap GC	USEPA, FMC_METHODS	Photoionization Detector	
USEPA	XENO	Active	Xenobiotic Contaminants in Fish	USEPA, 1990, Analyt. Procedures and Quality Assurance Plan for the Determination of Xenobiotic Chem. Contaminants in Fish, USEPA, EPA 600/3-90-023	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	X_89_176(N)	Active	Chlorinated Herbicides by LC/MS	USEPA, 1989, Liquid Chromat./Mass Spec. Performance Evaluation of Chlorinated Phenoxyacid Herbicides and Their Esters, USEPA, EPA 600/X-89-176	High Performance Liquid Chromatograph with Thermospray-MS	
USEPA	X_89_176(P)	Active	Chlorinated Herbicides by LC/MS	USEPA, 1989, Liquid Chromat./Mass Spec. Performance Evaluation of Chlorinated Phenoxyacid Herbicides and Their Esters, USEPA, EPA 600/X-89-176	High Performance Liquid Chromatograph with Thermospray-MS	
USFDA	221.1	Active	Chlorophenoxy Acid and Pentachlorophenol	USFDA, 1991, Pesticide Analytical Manual, Volume I, Methods which Detect Multiple Residues, USFDA, PAM-VOLUME1	No equipment	
USFDA	242.4	Active	Substituted Urea Herbicides	USFDA, 1991, Pesticide Analytical Manual, Volume I, Methods which Detect Multiple Residues, USFDA, PAM-VOLUME1	High Performance Liquid Chromatograph with Fluorescence Detector	

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Division of Environmental Health, Bureau of Water (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLDOH	ENTERO	Active	Enterococcus	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLDOH	FECAL	Active	Fecal coliform	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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Lee County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLEECO	1600	Active	Membrane Filter Test Method for Enterococci in Water	USEPA;1997;Method and Guidance fro the Analysis of Water, 1997, EPA-821-R-97-004, USEPA, EPA-821-R-97-004		
21FLEECO	40CFR114, 142	Active	Asbestos Fibers	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	83-15	Active	Formaldehyde	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	ACS RC7 P601	Active	Sodium Hydroxide	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	AMMONIU M	Active	Ammonium Analysis	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	ANSI/AWW AB601-0	Active	Sodium bisulfite	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	AWWA B300-87	Active	Chlorine in Sodium Hypochlorite	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	AWWA B303-88	Active	Sodium Chlorite	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	COLOR	Active	Color at 654nm	SFWMD, 199?, South Florida Water Managent District Laboratory SOPs, South Florida Water Managment District, unknown		
21FLEECO	DEP SOP 02/01	Active	FDEP SOP for Lab Analysis	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	DTKN +	Active	Dissolved Nitrogen	Lee County Environmental Laboratory, 2002,		

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21FLEECO Lee County (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	NOX			Standard Operating Procedures, Lee County, unknown		
21FLEECO	ELEVATION	Active	Water Surface Elevation	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	EPA 501.2	Active	Chloroform	USEPA;1997;Method and Guidance fro the Analysis of Water, 1997, EPA-821-R-97-004, USEPA, EPA-821-R-97-004		
21FLEECO	EPA1311-6010	Active	TCLP Metals Analysis	USEPA;1997;Method and Guidance fro the Analysis of Water, 1997, EPA-821-R-97-004, USEPA, EPA-821-R-97-004		
21FLEECO	FDOT 924-2.2	Active	Total Alkalinity Percent	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	FL PRO	Active	FL PRO Total Petroleum Hydrocarbons	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	NITRATE	Active	Nitrogen, Nitrate (NOx-NO2)	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	ONIT	Active	Nitrogen, Organic (TKN-NH3)	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	SECCHI	Active	Secchi disk	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	SM 4500-S2	Active	Unionized Hydrogen Sulfide	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	SM20 4500-CO2 D	Active	Alkalinity, Carbonate	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County,		

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21FLEECO Lee County (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				unknown		
21FLEECO	SM20 4500CO2	Active	Alkalinity, Hydroxide	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	TH - TA	Active	Total Hardness, Alkalinity	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	TKN + NOX	Active	Total Nitrogen Analysis	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	TKN - NH3	Active	Organic Nitrogen	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	TOTAL NITROGEN	Active	Nitrogen, Total (TKN+NOx)	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
21FLEECO	USGS I-2700-85	Active	Colorimetry analysis for Silica	Lee County Environmental Laboratory, 2002, Standard Operating Procedures, Lee County, unknown		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3111-D	Active	Metals in Water by FLAA-Direct Nitrous Oxide-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3500-CA(B)	Active	Calcium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-CR(B)	Active	Chromium in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(F)	Active	Chloride in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-CLO(D)	Active	Chlorine Dioxide in Water by Colorimetry- DPD Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CLO(E)	Active	Chlorine Dioxide in Water by Titration- Amperometric Method II	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(E)	Active	Cyanide in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-I-(B)	Active	Iodide in Water by	American Public Health Association, 1992,	Spectrophotomet	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Spectrophotometry- Leuco Crystal Violet Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	er	
APHA	4500-P-C	Active	Phosphorus in Water by Vanadomolybdophosphoric Acid Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-SI(F)	Active	Silica in Water by Automated Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5210-C	Active	Ultimate Biochemical Oxygen Test	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5220-B	Active	Chemical Oxygen Demand by Titration- Open Reflux Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	7500-U-C	Active	Uranium in Water by Isotopic Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Alpha Spectrophotometer	

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APHA	9215-B	Active	Heterotrophic Plate Count-Pour Plate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
HACH	8071	Active	Sulfite in Water by Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	

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USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of	Inductively	

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Lee County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	202.2	Active	Aluminum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	204.2	Active	Antimony by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	208.2	Active	Barium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

Field/Lab Analytical Procedures and Equipment Detail

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Lee County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
USEPA	210.1	Active	Beryllium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.4	Active	Hexavalent Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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Lee County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	219.2	Active	Cobalt by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.1_M	Active	Lead by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I,	Cold Vapor Atomic	

Field/Lab Analytical Procedures and Equipment Detail

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Lee County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600-R-94-111	Absorption Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	270.3	Active	Selenium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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Lee County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	279.1	Active	Thallium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.4	Active	Total Residual Chlorine by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.1	Active	Ammonia Nitrogen by	USEPA, 1993, Methods for the Determination of	Colorimeter	

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Lee County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	376.1	Active	Sulfide by Titration with Iodine	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	

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Lee County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	410.1	Active	Mid-Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	
USEPA	418.1	Active	Total Recoverable Petroleum Hydrocarbons	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	504	Active	EDB and DBCP in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	505	Active	Organohalide Pesticides and PCB in Water	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	507	Active	Nitrogen and Phosphorus Pesticides	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Nitrogen-phosphorus Detector	
USEPA	508	Active	Chlorinated Pesticides in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA,	Capillary GC Electron Capture	

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Lee County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				EPA 600/4-91-039	Detector	
USEPA	525.2	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	548	Active	Endothall in Water by Gas Chromatography	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	GC with Electrolytic Conductivity Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	7060A	Active	Arsenic by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	9012	Active	Total and Amenable Cyanides	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Colorimeter	

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Environmental Research and Design, Inc (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLERDI	ALKPERDIG	Active	Alkaline Persulfate Digestion	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.3	Active	Color by Spectrophotometric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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Environmental Research and Design, Inc (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

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Florida Fish & Wildlife C C / Marine Research Institute

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLFMRI	PROC 1	Active	Hydrolab Field Sample Procedures	ORG-02 - U.S. Environmental Protection Agency, 2001, Environmental Monitoring and Assessment Program, U.S. Environmental Protection Agency, Unknown		
21FLFMRI	SCP-ALL	Active	EMAP Field Lab Collection Procedures	USEPA, 1999, EMAP Information Management Plan: 1998-2001, USEPA, EPA 620/R-99-001A		
USEPA	00-01	Active	Gross Alpha and Beta Activity in Water	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	00-02	Active	Gross Alpha Activity in Drinking Water by Coprecipitation	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	00-03	Active	Lead-210 and Polonium-210 in Dried Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.4	Active	Determination of Nitrite and Nitrate	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Photometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine	Fluorometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Environmental Samples, USEPA, MARINE_METHODS		
USEPA	502.1	Active	Volatile Halogenated Organics	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	GC with Electron Capture Detector	
USEPA	502.2(ELCD)	Active	Volatile Organic Compounds in Water	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Electrolytic Conductivity Detector	
USEPA	505	Active	Organohalide Pesticides and PCB in Water	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	507	Active	Nitrogen and Phosphorus Pesticides	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Nitrogen-phosphorus Detector	
USEPA	508	Active	Chlorinated Pesticides in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	524.1	Active	Purgeable Organics in Water by GC/MS	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	GC with Low Resolution Mass Spectrophotometer	
USEPA	525.1	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	525.2	Active	Organics in Water by Gas	USEPA, 1991, Methods for the Determination of	Capillary Gas	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Chromatography	Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Chromatograph with Mass Spectrophotometer	
USEPA	531.1	Active	N-Methylcarbamates in Water by HPLC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	553(LLE)	Active	Benzidines and Pesticides in Water	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	High Performance Liquid Chromatograph with Thermospray-MS	
USEPA	601	Active	Purgeable Halocarbons in Wastewater	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electron Capture Detector	
USEPA	604.1	Active	Hexachlorophene and Dichlorophen	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	High Performance Liquid Chromatography with Ultraviolet Detector	
USEPA	607	Active	Nitrosamines in Wastewater by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Nitrogen-Phosphorus Detector	
USEPA	609(A)	Active	Nitroaromatics and Isophenone by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	610	Active	Polynuclear Aromatic Hydrocarbons by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	611	Active	Haloethers in Wastewater by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electron Capture Detector	
USEPA	617	Active	Organohalide Pesticides and PCBs	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	619	Active	Triazine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	633	Active	Organonitrogen Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	645	Active	Amine Pesticides and Lethane in Water	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	8081(S)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8141A(S)	Active	Organophosphorus Compounds in Soil by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Flame Photometric Detector	

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Florida Fish & Wildlife C C / Marine Research Institute

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	8250A	Active	Semivolatile Organics in Water by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Low Resolution Mass Spectrophotometer	
USEPA	8270B(S)	Active	Semivolatile Organics in Soil by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8275A	Active	PAHs and PCBs in Soils/Wastes: TE/GC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Thermal Chromatography with Mass Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLFTM	DEPSOP 001/01	Active	DEP Field Analytical Procedures	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	EPA 600	Active	EPA 600/9-78-018 (mod.) - AGP Analysis	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	FT_1100	Active	Field measurement of pH	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	FT_1200	Active	Field measurement of Specific Conductance	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	FT_1300	Active	Field measurement of Salinity	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	FT_1400	Active	Field measurement of Temperature	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLFTM	FT_1500	Active	Field measurement of Dissolved Oxygen	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	FT_1600	Active	Field measurement of Turbidity	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	FT_1700	Active	Field measurement of Light Penetration (Secchi Depth and Transparency)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	FT_1800	Active	Field measurement of Water Flow and Velocity	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	FT_1900	Active	Continuous Monitoring with Installed Meters	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	GC-011-5	Active	DEP SOP: GC-011-5 (based on EPA 608 and 617)	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLFTM	GC-012-3	Active	DEP SOP: GC-012-3 (based on EPA 614, 619, 622, 633 and 507)	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160		
21FLFTM	LC-001	Active	DEP SOP: LC-001-1	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160		
21FLFTM	LC-001-1	Active	DEP SOP: LC-001-1 (based on EPA 8321A)	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160		
21FLFTM	LC-006-2	Active	DEP SOP: LC-006-2 (based on EPA 531.1)	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160		
21FLFTM	LC-008-3	Active	DEP SOP: LC-008-3	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160		
21FLFTM	P3-1	Active	total coliform	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
21FLFTM	P3-2	Active	TDS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Probe	
21FLFTM	P3-4	Active	TOC	Unknown, 19--, No Cite - Method Not Cited,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Unknown, Vol --		
21FLFTM	SOP-AB03_1	Active	Phytoplankton-Quantitative-#Diatom Taxa	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	SOP-AB04	Active	Phytoplankton-Quantitative-# Wet Taxa	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	SOP-AB05	Active	DEP Phytoplankton (Diatom) Analysis Procedure	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLFTM	SOP-BB15_5	Active	DEP Sediment Analysis Procedure	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
APHA	10200-G	Active	Zooplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual	American Public Health Association, 1992,	Human Eye	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Comparison	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-CL(B)	Active	Residual Chlorine in Water by Titration- Iodometric Method I	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water	pH meter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5220-B	Active	Chemical Oxygen Demand by Titration- Open Reflux Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
ASTM	D5176	Active	Nitrogen in Water by Pyrolysis Detection	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Fluorometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.1	Active	Metals in Marine Waters by ICP/MS	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.10_M	Active	Inductively Coupled Plasma	USEPA, 19-- , CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.5	Active	Chlorine by Spectrophotometry with DPD	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotomet	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Cd Reduction	Water and Wastes, USEPA, EPA 600/4-79-020	er	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition,	Inductively Coupled Plasma	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Final Update III., USEPA, SW-846_III	Combined with Mass Spectrophotome	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	614	Active	Organophosphorus Pesticides I	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Flame Photometric Detector	
USEPA	8081(W)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8141A(W)	Active	Organophosphorus Compounds in Water	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Flame Photometric Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	5550-B	Active	Tannin and Lignin by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
NIOSH	2510	Active	1-Octanethiol by GC/FPD	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition,, National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	

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21FLGBO1

National Health and Environmental Effect Research-NHEERL(FL)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLGBO1	CHE.03.09	Active	CHE.03.09 - Astoria Pacific API 300 autoanalyzer	NHEERL, 1999, US Environmental Protection Agency, NHEERL Gulf Ecology Division, NHEERL Gulf Ecology Division, 1		
21FLGBO1	INS.01.04	Active	INS.01.04-Fluorometric determination of Chlorophyll-a using a non-acidification method (Welschmeyer) with Methanol	NHEERL, 1999, US Environmental Protection Agency, NHEERL Gulf Ecology Division, NHEERL Gulf Ecology Division, 1		
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	

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21FLGCWW

Gilchrist County Well Watch (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLGCWW	8039	Active	Nitrate, HR (0 to 30.0 mg/L) NO3- N	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Photometer	
21FLGCWW	8192	Active	Nitrate, LR (0 to 0.5 mg/L) NO3- N	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Photometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
HACH	8008	Active	Total Iron in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8021	Active	Free Chlorine in Water by DPD	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8167	Active	Total Chlorine in Water by DPD	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8507	Active	Nitrite in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLGFWF

Florida Fish and Wildlife Conservation Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLGFWF	2320 FIELD	Active	Alkalinity in Water by field titration using phenolphthalein and bromcresol green indicators	Homer Royals, 1972, Alkalinity field measurement methodology, Florida Game and Freshwater Fish Commission, all pages		APHA/2320
21FLGFWF	2340-B	Active	Hardness by calculation	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLGFWF	419-D	Active	Nitrate in Water by the Brucine Method	American Public Health Association, 1975, Standard Methods for the Examination of Water and Wastewater, 14th Edition, American Public Health Association, 14th Edition		
21FLGFWF	4500-NH3-B,C	Active	Ammonia in Water by Distillation and Nesslerization	American Public Health Association, 1989, Standard Methods for the Examination of Water and Wastewater, 17th Edition, American Public Health Association, 17th Edition	Spectrophotometer	
21FLGFWF	4500-NORG-B	Active	Organic Nitrogen by Macro-Kjeldahl Method and Nesslerization	American Public Health Association, 1989, Standard Methods for the Examination of Water and Wastewater, 17th Edition, American Public Health Association, 17th Edition		
21FLGFWF	STATION OBS	Active	Field Station Visit Direct Physical Measurements and Observations	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLGFWF	STATION WEATHER	Active	Field Station Visit Weather Observations	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	

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21FLGFWF

Florida Fish and Wildlife Conservation Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	2580	Active	Oxidation-Reduction Potential of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLGFWF

Florida Fish and Wildlife Conservation Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-FE(D)	Active	Iron in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-O-B	Active	Total Dissolved Oxygen by Titration- Iodometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-D	Active	Phosphorus in Water by Stannous Chloride Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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21FLGFWF

Florida Fish and Wildlife Conservation Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	5550-B	Active	Tannin and Lignin by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	9212	Active	Chloride in Water by ISE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Selective Electrode	

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21FLGPC Gulf Power Company (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLGPC	FT 1100	Active	Field measurement of Hydrogen Ion Activity (pH)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Florida Department of Environmental Protection, Standard Operating Procedures				
21FLGPC	FT 1200	Active	Field measurement of Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Florida Department of Environmental Protection, Standard Operating Procedures				
21FLGPC	FT 1400	Active	Field measurement of Temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Florida Department of Environmental Protection, Standard Operating Procedures				
21FLGPC	FT 1500	Active	Field measurement of Dissolved Oxygen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Florida Department of Environmental Protection, Standard Operating Procedures				
21FLGPC	SM 2320B	Active	Alkalinity determination	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-SO ₄ (D)	Active	Sulfate in Water by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of	Nephelometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLGPC

Gulf Power Company (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	415.1	Active	Total Organic Carbon by	USEPA, 1983, Methods for Chemical Analysis of	Total Organic	

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21FLGPC

Gulf Power Company (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Combustion	Water and Wastes, USEPA, EPA 600/4-79-020	Carbon - Infra-Red Detector	
USEPA	9050A	Active	Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Meter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLGTM Guana Tolomato Matanzas (GTM) Estuarine (NERR - Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLGTM	AMMONIA	Active	Photometric determination of ammonia in seawater	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Strickland & Parsons (1972) A Practical Handbook of Seawater Analysis: Determination of Ammonia (Oxidation Method). Fisheries Research Board of Canada.						
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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21FLGTM

Guana Tolomato Matanzas (GTM) Estuarine (NERR - Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-SI(D)	Active	Silica in Water by Spectrophotometry-Molybdosilicate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLGW	FL Dept. of Environmental Protection					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
21FLGW	351.2 SEDIMENT	Active	TOTAL KJELDAHL NITROGEN IN SOLID MATRICES	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	365.4 SEDIMENT	Active	TOTAL PHOSPHORUS IN SOLID MATRICES	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	900456	Active	QA Plan #900456	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	EPA 8081/8082	Active	ORGANOCHLORINE PESTICIDES IN SEDIMENT MATRICES BY GC/ECD	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	FT1100GW	Active	pH, field	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	FT1200GW	Active	Specific conductance, field	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	FT1300GW	Active	Salinity, field	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	FT1400GW	Active	Temperature, field	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	FT1500GW	Active	Dissolved oxygen, field	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	FT1700GW	Active	Seechi depth, field	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	FT1800GW	Active	Stream Flow, Instantaneous	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	GC-011-5	Active	DEP SOP: GC-011-5 (based on EPA 608 and 617)	Shannon Gerardi, 2007, Florida Ambient Monitoring Network Quality Assurance Plan-2007, DEP, None		
21FLGW	GC-012-3	Active	DEP SOP: GC-012-3 (based on EPA 614, 619, 622, 633	Shannon Gerardi, 2007, Florida Ambient Monitoring Network Quality Assurance Plan-2007,		

Field/Lab Analytical Procedures and Equipment Detail

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21FLGW		FL Dept. of Environmental Protection				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			and 507)	DEP, None		
21FLGW	HG-008-3	Active	MERCURY IN SOLID SAMPLES USING COLD VAPOR AA SPECTROSCOPY	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
21FLGW	LC-006-2	Active	DEP SOP: LC-006-2 (based on EPA 531.1 and 8321A)	Shannon Gerardi, 2007, Florida Ambient Monitoring Network Quality Assurance Plan-2007, DEP, None		
21FLGW	NU-076-1	Active	PERCENT CARBON IN SOLID MATRICES	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1		
APHA	10200-F	Active	Phytoplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-G	Active	Zooplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	10300-C	Active	Periphyton Sample Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9230-C	Active	Fecal Streptococcus and	American Public Health Association, 1992,		

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21FLGW		FL Dept. of Environmental Protection				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Enterococcus, Membrane Filter Technique	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
NIOSH	600	Active	Respirable Particulates by Gravimetric	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	Laboratory Balance	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--, CLP SOW for Inorganics Analysis- ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with Mass Spectrophotome	

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21FLGW	FL Dept. of Environmental Protection					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

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21FLGW		FL Dept. of Environmental Protection				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotomet er	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotomet er	
USEPA	8270C(S)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotomet er	
USEPA	903.1	Active	Radium-226 in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha Scintillation Detector	

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21FLHBOI

Harbor Branch Oceanographic Institution (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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21FLHILL

Hillsborough County Environmental (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLHILL	9230-C	Active	Fecal Strep - membrane filter	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLHILL	AIRTEMP	Active	Temperature, Air	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLHILL	COLOR	Active	Color - Pt/Co units	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Visible Spectrophotometer	
21FLHILL	CONDUCTANCE	Active	Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Bridge	
21FLHILL	DEPTHO	Active	Depth by chain or rope	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLHILL	DEPTHPD	Active	Water Depth by Pressure Transducer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLHILL	DO	Active	DO, field	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLHILL	EPA 1600	Active	Enterococcus bacteria	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLHILL	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLHILL	PH	Active	pH field	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLHILL	PLANKTON	Active	Plankton Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Optical Microscope	
21FLHILL	SALINITY	Active	Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLHILL	SECCHI	Active	Light Penetration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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21FLHILL

Hillsborough County Environmental (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLHILL	SILICA	Active	silica	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLHILL	TOC	Active	TOTAL ORGANIC CARBON	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-CL-(E)	Active	Chloride in Water by Colorimetry- Automated Ferricyanide Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg	

Field/Lab Analytical Procedures and Equipment Detail

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21FLHILL

Hillsborough County Environmental (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					color charts)	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of	Flame Atomic	

Field/Lab Analytical Procedures and Equipment Detail

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21FLHILL

Hillsborough County Environmental (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I,	Cold Vapor Atomic	

Field/Lab Analytical Procedures and Equipment Detail

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21FLHILL

Hillsborough County Environmental (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600-R-94-111	Absorption Spectrophotometer	
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLHILL

Hillsborough County Environmental (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	

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21FLIMCA

IMC Agrico (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by	USEPA, 1993, Methods for the Determination of	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLIMCA

IMC Agrico (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	900	Active	Gross Alpha and Beta Activity in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	
USEPA	903	Active	Radium in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha Scintillation Detector	

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21FLJXWQ		City of Jacksonville				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLJXWQ	NTOT	Active	Total Nitrogen - Calculated	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	TN =TKN +NO2NO3				
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLJXWQ

City of Jacksonville

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	7061A	Active	Arsenic by Gaseous Hydride AA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Hydride Atomic Absorption Spectrophotometer	
USEPA	7741A	Active	Selenium in Water by Gaseous Hydride	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Hydride Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLKEYW

City of Key West (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-NH3(F)	Active	Ammonia in Water Using Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO3(B)	Active	Nitrate in Water by Ultraviolet Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ultraviolet Spectrophotometer	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
NIOSH	1600	Active	Carbon Disulfide by GC/FPD	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	

Field/Lab Analytical Procedures and Equipment Detail

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21FLKTNC

The Nature Conservancy of the Florida Keys

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLKTNC	D6503-99	Active	D6503-99 Standard Test Method for Enterococci in Water Using Enterolert™	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02		
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

Field/Lab Analytical Procedures and Equipment Detail

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21FLKWAT

Florida LAKEWATCH

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLKWAT	LAKEWATC H_V	Active	LAKEWATCH Volunteer Water Quality Monitoring Program Field/Lab Procedures	Florida LAKEWATCH, 2002, Florida LAKEWATCH Annual Data Summaries for 1986 through 2001 (lakewatch.ifas.ufl.edu), Dept. of Fisheries and Aquatic Sciences, University of Florida/Institute of Food and Agricultural Sciences., xx		

Field/Lab Analytical Procedures and Equipment Detail

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21FLLCHD

Lee County Hyacinth Control District (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLLCHD	ALKALINIT Y	Active	Alkalinity- Lee Co. Hyacinth Control District	R. Malloy, 2002, Method not provided, GES Research Corporation for FDEP, na		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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21FLLCPC

Lake County Water Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLLCPC	DEP-SOP-001/01	Active	DEP STANDARD OPERATING PROCEDURES FOR FIELD ACTIVITIES	FDEP, 2001, DEP STANDARD OPERATING PROCEDURES FOR FIELD ACTIVITIES, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, ALL PAGES		
21FLLCPC	EPA350.1	Active	NH3 + NH4 NITROGEN	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		USEPA/350.1
21FLLCPC	EPA351.2	Active	TOTAL KJELDAHL NITROGEN	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		USEPA/351.2
21FLLCPC	EPA353.2	Active	NITRATE + NITRITE NITROGEN	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		USEPA/353.2
21FLLCPC	EPA365.1	Active	ORTHO PHOSPHATE AS P	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		USEPA/365.1
21FLLCPC	EPA365.4	Active	TOTAL PHOSPHORUS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		USEPA/365.4
21FLLCPC	EPA375.4	Active	SULFATE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		USEPA/375.4
21FLLCPC	EPA415.1	Active	TOTAL ORGANIC CARBON	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		USEPA/415.1
21FLLCPC	LCQSM	Active	LAKE COUNTY QUALITY SYSTEMS MANUAL	LAKE COUNTY WATER RESOURCE LAB, 2001, LAKE COUNTY WATER RESOURCE MANAGEMENT QUALITY SYSTEMS MANUAL, LAKE COUNTY WATER RESOURCE MANAGEMENT, ALL PAGES		
21FLLCPC	SJRWMDW QM	Active	WATER QUALITY MANUAL FOR VOLUNTEERS IN THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT	ROBERT FREASE, Ph.D, 1998, WATER QUALITY MONITORING MANUAL FOR VOLUNTEERS IN THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, ALL PAGES		
21FLLCPC	SM10200	Active	CHLOROPHYLL A	American Public Health Association, 1992, Standard Methods for the Examination of Water		APHA/10200-H

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21FLLCPC

Lake County Water Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLLCPC	SM2120B	Active	COLOR	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		APHA/2120-C
	Description		Spectrophotometric analysis of color using HACH methods.			
21FLLCPC	SM2130B	Active	TURBIDITY	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/2130
21FLLCPC	SM2320B	Active	TOTAL ALKALINITY AS CaCO ₃	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/2320
21FLLCPC	SM2340B	Active	HARDNESS, CA + MG	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLLCPC	SM2340C	Active	TOTAL HARDNESS AS CaCO ₃	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/2340
21FLLCPC	SM2540C	Active	TOTAL DISSOLVED SOLIDS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/2540-C
21FLLCPC	SM2540D	Active	TOTAL SUSPENDED SOLIDS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/2540-D
21FLLCPC	SM3111B-CU	Active	COPPER BY FLAME AA	American Public Health Association, 1992, Standard Methods for the Examination of Water		APHA/3500-CU(B)

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21FLLCPC

Lake County Water Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLLCPC	SM3111BFE	Active	IRON BY FLAME AA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/3500-FE(B)
21FLLCPC	SM3111BMG	Active	MAGNESIUM BY FLAME AA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/3500-MG(B)
21FLLCPC	SM3111BNA	Active	SODIUM BY FLAME AA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/3500-NA(B)
21FLLCPC	SM3111BNI	Active	NICKEL BY FLAME AA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/3500-NI(B)
21FLLCPC	SM3111BZN	Active	ZINC BY FLAME AA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/3500-ZN(B)
21FLLCPC	SM3511BMN	Active	MANGANESE BY FLAME AA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/3500-MN(B)
21FLLCPC	SM3511BCA	Active	CALCIUM BY FLAME AA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/3500-CA(B)
21FLLCPC	SM3511BK	Active	POTASSIUM BY FLAME AA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public		APHA/3500-K-B

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21FLLCPC Lake County Water Resource Management (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
21FLLCPC	SM45002510B	Active	SPECIFIC CONDUCTANCE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/2510
21FLLCPC	SM4500CLB	Active	CHLORIDE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/4500-CL-(B)
21FLLCPC	SM4500CLG	Active	TOTAL RESIDUAL CHLORINE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/4500-CL(G)
21FLLCPC	SM4500HB	Active	pH	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/4500-H
21FLLCPC	SM4500OG	Active	DISSOLVED OXYGEN	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/4500-O-G
21FLLCPC	SM5210B	Active	BOD 5DAY	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/5210-B
21FLLCPC	SM5220D	Active	CHEMICAL OXYGEN DEMAND	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/5220-D
21FLLCPC	SM9222B	Active	TOTAL COLIFORM BY MEMBRANE FILTRATION	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/9222-B

Field/Lab Analytical Procedures and Equipment Detail

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21FLLCPC

Lake County Water Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLLCPC	SM9222D	Active	FECAL COLIFORM BY MEMBRANE FILTRATION	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/9222-D
21FLLCPC	SM9223B	Active	TOTAL COLIFORM BY CHROMOGENIC SUBSTRATE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/9223-B

Field/Lab Analytical Procedures and Equipment Detail

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21FLLEON Leon County Public Works (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLLEON	10200-H	Active	Chlorophyll a, corrected for pheophytin	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLLEON	10200-H (MOD)	Active	Chlorophyll a, corrected for pheophytin	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLLEON	350.2	Active	Nitrogen, ammonia as N	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLLEON	365.2	Active	Phosphorus, orthophosphate as P	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLLEON	600/8-78-017	Active	Fecal Coliform	USEPA, 1978, Microbiological Methods for Monitoring the Environment: Water and Wastes., USEPA, EPA 600/8-78-017		
21FLLEON	FT_1700	Active	Secchi Disk Depth	SOP-001/01 - FDEP Environmental Assessment Section, Feb. 1,2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision		
21FLLEON	GC-030-1	Active	Caffeine	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III		USEPA/8141(W)
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	

Field/Lab Analytical Procedures and Equipment Detail

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21FLLEON

Leon County Public Works (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(E)	Active	Nitrate in Water- Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5540-C	Active	Anionic Surfactants in Water as MBAS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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21FLLEON

Leon County Public Works (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
ASTM	D3977	Active	Suspended-Sediment in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Laboratory Balance	
ASTM	D422	Active	Particle-Size Analysis of Soils	American Society for Testing of Materials, 1994, ASTM Standards. Soil and Rock (I), American Society for Testing and Materials, Vol 4.08	No equipment	
ASTM	D4779	Active	Total, Organic and Inorganic Carbon	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Total Organic Carbon - UV Oxidation - IR/FID Detector	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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21FLLEON

Leon County Public Works (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	283.2	Active	Titanium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	310.1_M	Active	Alkalinity in Water by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	pH meter	
USEPA	325.2	Active	Chloride by Colorimetric	USEPA, 1983, Methods for Chemical Analysis of	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLLEON

Leon County Public Works (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Analysis II	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

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21FLLEON

Leon County Public Works (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	425.1	Active	Methylene Blue Active Substances	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLLOX

Loxahatchee River District (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLLOX	EPA 608 MOD.	Active	Organochlorine pesticides in water by GC/ECD-Meth. organic analysis of muni. and indu. wastewater	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
21FLLOX	N&P PEST. 614M	Active	Organonitrogen and phosphorus pesticides in water EPA Method 614 mod.	USEPA, 19--., Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1		
21FLLOX	SECCHI	Active	Secchi	Unknown, 19--., No Cite - Method Not Cited, Unknown, Vol --	Human Eye	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	3.4	Active	Coliforms- Membrane Filter	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Colorimeter	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	

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21FLLOX		Loxahatchee River District (Florida)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge		
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter		
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer		
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer		
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer		
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	330.4	Active	Total Residual Chlorine by	USEPA, 1983, Methods for Chemical Analysis of	Titration		

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21FLLOX		Loxahatchee River District (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Titration	Water and Wastes, USEPA, EPA 600/4-79-020	Apparatus	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

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21FLLOXB

Loxahatchee River District (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10500-C	Active	Benthic Macroinvertebrate Sample Processing and Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	

Field/Lab Analytical Procedures and Equipment Detail

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21FLMANA

Manatee County Environmental Management Dept (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLMANA	BOD	Active	Biochemical Oxygen Demand	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Probe	USEPA/405.1
21FLMANA	CHL A	Active	Chlorophyll A by trichromatic method	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Spectrophotometer	APHA/10200-H
Description SM 10200 H(2)						
21FLMANA	CHL B	Active	Chlorophyll B by trichromatic method	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Spectrophotometer	APHA/10200-H
Description SM 10200-H-2-c						
21FLMANA	CHL C	Active	Chlorophyll C by trichromatic method	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Spectrophotometer	APHA/10200-H
Description SM 10200-H-2-c						
21FLMANA	COLOR	Active	Color	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1		
Description SM 2120 B There are no separate sample preparation steps for this analysis						
21FLMANA	F COLI	Active	Fecal Coliform	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Incubator	APHA/9222-D
21FLMANA	F STREP	Active	Fecal Streptococcus	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Incubator	
Description SM 9222						
21FLMANA	FLUORIDE	Active	Fluoride	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Ion Selective Electrode	
Description SM 4500-F-C						

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21FLMANA Manatee County Environmental Management Dept (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
There are no separate sample preparation steps for this analysis						
21FLMANA	GENERIC	Active	General Listing of Field and Lab Analytical Procedures for Manatee County	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1		
21FLMANA	NH3 N	Active	Ammonia Nitrogen	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	AutoAnalyzer	USEPA/350.3
Description There are no separate sample preparation steps for this analysis						
21FLMANA	NO2+3 N	Active	Nitrite+Nitrate Nitrogen	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Spectrophotometer	USEPA/354.1
Description There are no separate sample preparation steps for this analysis						
21FLMANA	NO3 N	Active	Nitrate Nitrogen	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Spectrophotometer	USEPA/352.1
Description There are no separate sample preparation steps for this analysis						
21FLMANA	ORTHO P	Active	Ortho-Phosphorus	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Spectrophotometer	
Description SM 4500 PE There are no separate sample preparation steps for this analysis						
21FLMANA	PHEOPHYTIN	Active	Pheophytin by trichromatic method	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Spectrophotometer	APHA/10200-H
Description SM 10200-H-2-c						
21FLMANA	T COLI	Active	Total Coliform	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Incubator	
Description SM 9222						
21FLMANA	TDS	Active	Total Dissolved Solids	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for		APHA/2540-C

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21FLMANA

Manatee County Environmental Management Dept (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Manatee County, Manatee County, 1		
21FLMANA	TKN	Active	Total Kjeldal Nitrogen	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	AutoAnalyzer	
	Description		EPA 351.2			
21FLMANA	TP	Active	Total Phosphorus	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	AutoAnalyzer	
	Description		EPA 365.4			
21FLMANA	TSS	Active	Total Suspended Solids	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1		APHA/2540-D
21FLMANA	TURBIDITY	Active	Turbidity	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Turbidimeter	APHA/2130
	Description		SM 2130 B There are no separate sample preparation steps for this analysis			
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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21FLMANA

Manatee County Environmental Management Dept (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	

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21FLMANA

Manatee County Environmental Management Dept (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-	

Field/Lab Analytical Procedures and Equipment Detail

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21FLMANA

Manatee County Environmental Management Dept (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					related equipment(eg color charts)	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	

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21FLMCGL

McGlynn Laboratories, Inc

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLMCGL	SOP-1	Active	Analytical Procedure SOP	STAFF, 1992, FDEP Field Sampling SOP, FDEP, v1		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1604	Active	Total Coliforms and E. coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium)	USEPA, 2002, Method 1604: Total Coliforms and Escherichia coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium), USEPA, EPA 821-R-02-024		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLMCGL		McGlynn Laboratories, Inc				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.4	Active	Total Kjeldahl Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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21FLMRC

Marine Resources Council of East Florida

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLMRC	FT_1100	Active	Field Measurement Of Hydrogen Ion Activity (pH)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLMRC	FT_1200	Active	Field Measurement of Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLMRC	FT_1300	Active	Field Measurement Of Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLMRC	FT_1400	Active	Field Measurement Of Temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLMRC	FT_1500	Active	Field Measurement Of Dissolved Oxygen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLMRC	FT_1600	Active	Field Measurement Of Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLMRC	FT_1700	Active	Field Measurement Of Light Penetratino (Secchi Depth and Transparency)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLMRC	PH	Active	pH Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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21FLNAPL

City of Naples (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLNAPL	2120-B	Active	Color in water by visual comparison	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --		APHA/2120-B
21FLNAPL	4500-NORG D	Active	Total Kjeldahl Nitrogen	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Analysis of Total Kjeldahl Nitrogen as performed by Collier County Lab.						
21FLNAPL	6010B	Active	Metals, USBiosystems	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Method USBiosystem uses for metal analysis						
21FLNAPL	FT_1100	Active	Field Measurement of Hydrogen Ion Activity (pH)	DEP_SOP - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLNAPL	FT_1200	Active	Field Measurement of Specific Conductance	DEP_SOP - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLNAPL	FT_1300	Active	Field Measurement of Salinity	DEP_SOP - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLNAPL	FT_1400	Active	Field Measurement of Temperature	DEP_SOP - Florida Department of Environmental Protection, 2004, Department of Environmental		

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21FLNAPL

City of Naples (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLNAPL	FT_1500	Active	Field Measurement of Dissolved Oxygen	DEP_SOP - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLNAPL	FT_1700	Active	Field Measurement of Light Penetration (Secchi Depth and Transparency)	DEP_SOP - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
21FLNAPL	HARDNESS , CA+MG	Active	calculation of hardness	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		Calculation of hardness (Ca+Mg), using method 200.8(W) for Ca and Mg			
21FLNAPL	TOTAL_N	Active	Calculation of Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		EPA 353.2 and SM20 4500-NorgD			
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Nephelometer	

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21FLNAPL

City of Naples (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	4500-CL(E)	Active	Residual Chlorine in Water by Titration- Low-Level Amperometric M	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLNAPL City of Naples (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	1106_1	Active	Enterococci in Water by Membrane Filter	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by	USEPA, 1993, Methods for the Determination of	Colorimeter	

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21FLNAPL		City of Naples (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	PMD-BEO	Active	Thiobencarb by GC/FID	Association of Official Analytical Chemists, 19--., Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-BIL	Active	Bitertanol by GC	Association of Official Analytical Chemists, 19--., Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

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21FLNAPL

City of Naples (Florida)

Procedure
Source

Procedure
ID

Status

Procedure
Name

Citation

Equipment

Comparable
National
Procedure ID

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21FLNWFD

Northwest Florida Water District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLNWFD	350.1 (MARCH83)	Active	Nitrogen, ammonia as N	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLNWFD	351.2 (MARCH83)	Active	Total Kjeldahl Nitrogen	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLNWFD	353.2 (MARCH83)	Active	Nitrite/Nitrate	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLNWFD	365.1 (MARCH83)	Active	Ortho-Phosphate-P	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLNWFD	DEP-AGP	Active	ALGAL GROWTH POTENTIAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	No equipment	
21FLNWFD	DEP-BENTHIC MAC	Active	BENTHIC MACROINVERTEBRATES	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	No equipment	
21FLNWFD	DEP-COLIFORM-F1	Active	COLIFORM, FECAL-MF	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	No equipment	
21FLNWFD	DEP-COLIFORM-T1	Active	COLIFORM, TOTAL-MF	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	No equipment	
21FLNWFD	DEP-PERIPHYTON	Active	PERIPHYTON-DEP SOP #BA-30	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	No equipment	
21FLNWFD	EPA 2510	Active	Conductivity	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Meter	
21FLNWFD	WELCH (1948)	Active	Secchi Depth	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
ASTM	D1125(A)	Active	Conductivity and Resistivity in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental	Conductivity Bridge	

Field/Lab Analytical Procedures and Equipment Detail

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21FLNWFD

Northwest Florida Water District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Technology (I), American Society for Testing and Materials, Vol 11.01		
ASTM	D1889	Active	Turbidity of Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Turbidimeter	
USEPA	110.1	Active	Color by Calculating ADMI Values	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	110.3	Active	Color by Spectrophotometric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	1106_1	Active	Enterococci in Water by Membrane Filter	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	140.1	Active	Odor in Water Using a Consistent Series	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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21FLNWFD		Northwest Florida Water District					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter		
USEPA	150.2	Active	pH by Continuous Monitoring	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter		
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment		
USEPA	160.5	Active	Settleable Matter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer		
USEPA	200	Active	Metals by Atomic Absorption	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment		
USEPA	200.1	Active	Metals in Marine Waters by ICP/MS	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Inductively Coupled Plasma Spectrophotometer		
USEPA	200.1(FLAA)	Active	Acid Soluble Metals in Water by FLAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Generic inspection-related equipment(eg color charts)		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	200.1(GFAA)	Active	Acid Soluble Metals in Water by GFAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Generic inspection-related equipment(eg color charts)	
USEPA	200.1(ICP)	Active	Acid Soluble Metals - ICP	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Generic inspection-related equipment(eg color charts)	
USEPA	200.11	Active	Metals in Fish Tissue by ICP-AES	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.12	Active	Elements in Water by Temperature GFAA	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	200.13	Active	Elements in Water by Chelation with GFAA	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	200.15	Active	Metals in Water by Nebulization and ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	202.2	Active	Aluminum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	204.1	Active	Antimony by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	204.2	Active	Antimony by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.3	Active	Arsenic by HYDAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Hydride Atomic Absorption Spectrophotometer	
USEPA	206.4	Active	Arsenic by Spectrophotometric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	206.5	Active	Arsenic Digestion for HYDAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	208.2	Active	Barium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	210.1	Active	Beryllium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	212.3	Active	Boron by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	215.2	Active	Calcium by EDTA Titrimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.3	Active	Chromium by Chelation	USEPA, 1983, Methods for Chemical Analysis of	Flame Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Extraction FLAA	Water and Wastes, USEPA, EPA 600/4-79-020	Absorption Spectrophotometer	
USEPA	218.4	Active	Hexavalent Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.5	Active	Hexavalent Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.6	Active	Hexavalent Chromium by Ion Chromatograph	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Ion Chromatograph	
USEPA	219.1	Active	Cobalt by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	219.2	Active	Cobalt by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.2	Active	Iron by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.2	Active	Manganese by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.3	Active	Mercury in Water by HPLC	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	High Performance Liquid Chromatograph with Electrochemical D	
USEPA	245.5	Active	Mercury in Sediment by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.6	Active	Mercury in Tissue by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	253.1	Active	Palladium by FLAA	USEPA, 1983, Methods for Chemical Analysis of	Flame Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Absorption Spectrophotometer	
USEPA	253.2	Active	Palladium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	255.1	Active	Platinum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	255.2	Active	Platinum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	265.1	Active	Rhodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	265.2	Active	Rhodium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	267.1	Active	Ruthenium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	273.2	Active	Sodium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	282.1	Active	Tin by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	282.2	Active	Tin by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	283.1	Active	Titanium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	283.2	Active	Titanium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
USEPA	286.1	Active	Vanadium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	286.2	Active	Vanadium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.2	Active	Zinc by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	305.2	Active	Acidity by Titration Using a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of	Titration	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Apparatus	
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	320.1	Active	Bromide by Titration with Iodine	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.1	Active	Chloride by Colorimetric Analysis I	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.1	Active	Total Residual Chlorine by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.2	Active	Total Residual Chlorine by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.3	Active	Total Residual Chlorine by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.4	Active	Total Residual Chlorine by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.5	Active	Chlorine by Spectrophotometry with DPD	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.1	Active	Cyanides Amenable to Chlorination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	340.1	Active	Total Fluoride by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	340.3	Active	Fluoride in Water by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	345.1	Active	Iodide in Water by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(A)	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	350.2(C)	Active	Ammonia Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	351.3(B)	Active	Total Kjeldahl Nitrogen - Nesslerization	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer	
USEPA	351.4	Active	Total Kjeldahl Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.4	Active	Determination of Nitrite and Nitrate	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Photometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Reagent Colorimetry	Water and Wastes, USEPA, EPA 600/4-79-020	er	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	375.1	Active	Sulfate by Colorimetry With Chloranilate	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.3	Active	Sulfate by Gravimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	376.1	Active	Sulfide by Titration with Iodine	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	376.2	Active	Sulfide by Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	377.1	Active	Sulfite in Water by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related	

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21FLNWFD

Northwest Florida Water District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					equipment(eg color charts)	
USEPA	410.1	Active	Mid-Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.2	Active	Low Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.3	Active	Chemical Oxygen Demand in Saline Waters	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	413.2	Active	Total Recoverable Oil and Grease by IR	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	420.2	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	420.3	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	420.4	Active	Total Recoverable Phenolics in Water	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLORAN

Orange County Environmental Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLORAN	10200H	Active	Chlorophyll a, b, c series and phaeophytin	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	2310B	Active	Acidity	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	2340C	Active	Hardness Calculation, Ca & Mg	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	3020A	Active	Metals Prep	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	3113B	Active	Metals Analysis	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	350.2	Active	Dissolved Oxygen	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	500.1	Active	Organic Nitrogen	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	600.1	Active	Total Nitrogen	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	9222B	Active	Total Coliform	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	9222D	Active	Fecal Coliform MF	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	9222H	Active	Total Fecal Coliform	USEPA, 1999, EPA Methods and Guidance for		

Field/Lab Analytical Procedures and Equipment Detail

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21FLORAN

Orange County Environmental Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA100.1	Active	Sample Depth	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA120.1	Active	Secific Conductance	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA130.1	Active	Hardness, carbonate	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA150.1	Active	Secchi	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
21FLORAN	EPA160.2	Active	TSS	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA160.3	Active	TS	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA160.4	Active	Fixed Solids	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA170.1	Active	Dissolved Oxygen	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
21FLORAN	EPA200.7	Active	Metals Analysis	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA200.8	Active	Metals in Water by ICP/MS	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA		

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21FLORAN

Orange County Environmental Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				821/C-99-008		
21FLORAN	EPA210.2	Active	Beryllium	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
	Description		Beryllium on GFAA			
21FLORAN	EPA213.2	Active	Cadmium	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
	Description		Cadmium on GFAA			
21FLORAN	EPA239.2	Active	Lead	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
	Description		Lead on GFAA			
21FLORAN	EPA245.1	Active	Mercury	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA270.2	Active	Selenium	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
	Description		Selenium on GFAA			
21FLORAN	EPA272.2	Active	Silver	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
	Description		Silver on GFAA			
21FLORAN	EPA279.2	Active	Thallium	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA350.1	Active	Ammonia	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		

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21FLORAN

Orange County Environmental Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLORAN	EPA351.2	Active	TKN	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
21FLORAN	EPA353.2	Active	NOx	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
21FLORAN	EPA365.1	Active	Phosphorus	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPA410.4	Active	COD	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	EPD100.1	Active	Depth, Secchi disk depth	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	SM10200H	Active	Chlorophyll a, b, c series and phaeophytin	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	SM2120B	Active	Color	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	SM2310B	Active	Acidity	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	SM2320B	Active	Alkalinity, Total	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	SM2340B	Active	Hardness, Ca, Mg	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	SM3113B	Active	Metals Analysis	USEPA, 1999, EPA Methods and Guidance for		

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Orange County Environmental Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLORAN	SM9222B	Active	Total Coliform	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
21FLORAN	SM9222D	Active	Total Fecal Coliform	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
21FLORAN	SM9230C	Active	Streptococcus, Fecal	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLORAN

Orange County Environmental Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil	Laboratory Balance	

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Orange County Environmental Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Gas Industry Discharges, USEPA, EPA 821/R-92-008		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotomet er	
USEPA	204.2	Active	Antimony by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er	
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of	Graphite Furnace	

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21FLORAN

Orange County Environmental Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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Orange County Environmental Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric	USEPA, 1983, Methods for Chemical Analysis of	Turbidimeter	

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21FLORAN

Orange County Environmental Protection (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Determination	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	425.1	Active	Methylene Blue Active Substances	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	7060A	Active	Arsenic by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7131A	Active	Cadmium by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7421	Active	Lead by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	9132	Susp	Total Coliform by Membrane Filter	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Optical Microscope	

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21FLORAN

Orange County Environmental Protection (Florida)

Procedure
Source

Procedure
ID

Status

Procedure
Name

Citation

Equipment

Comparable
National
Procedure ID

Edition., USEPA, EPA 530/SW-846

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21FLORL Orlando Streets Drainage Stormwater Utility Bureau(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLORL	FT_1100	Active	Field Measurement of Hydrogen Ion Activity (pH)	Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLORL	FT_1200	Active	Field Measurement of Specific Conductance	Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLORL	FT_1400	Active	Field Measurement of Temperature	Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLORL	FT_1500	Active	Field Measurement of Dissolved Oxygen	Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLORL	FT_1700	Active	Field Measurement of Light Penetration (Secchi Depth and Transparency)	Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLORL	SOP-4	Active	Percent Cloud Cover	Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
	Description	Estimation of % of celestial hemisphere obscured by clouds, generally in 10% increments. Determined by mentally arranging all visible clouds against one horizon and estimating the fraction of the dome obscured.				
21FLORL	SOP-5	Active	Wind Direction and Velocity	Florida Department of Environmental Protection, 2004, Department of Environmental Protection		

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21FLORL

Orlando Streets Drainage Stormwater Utility Bureau(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLORL	SOP-6	Active	Wave Height	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
AOAC	973.48	Active	Total Nitrogen in Water	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	Nessler Tube	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	

Field/Lab Analytical Procedures and Equipment Detail

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21FLORL

Orlando Streets Drainage Stormwater Utility Bureau(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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21FLORL

Orlando Streets Drainage Stormwater Utility Bureau(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of	Flame Atomic	

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Orlando Streets Drainage Stormwater Utility Bureau(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	310.1_M	Active	Alkalinity in Water by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	pH meter	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen	USEPA, 1983, Methods for Chemical Analysis of	Generic	

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Orlando Streets Drainage Stormwater Utility Bureau(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Demand	Water and Wastes, USEPA, EPA 600/4-79-020	inspection- related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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21FLPBCH

Palm Beach County Environmental Resources Managemnt(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLPBCH	FT_1100	Active	Field Measurements of Hydrogen Ion Activity (pH)	SOP-001/01 - FDEP Environmental Assesment Section, Feb. 1,2004, Department of Environmental Protection Standard Operating Procedures for Field Activites DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1,2004 Revision		APHA/4500-H
21FLPBCH	FT_1200	Active	Field Measurement of Specific Conductance	SOP-001/01 - FDEP Environmental Assesment Section, Feb. 1,2004, Department of Environmental Protection Standard Operating Procedures for Field Activites DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1,2004 Revision		
21FLPBCH	FT_1300	Active	Field Measurement of Salinity	SOP-001/01 - FDEP Environmental Assesment Section, Feb. 1,2004, Department of Environmental Protection Standard Operating Procedures for Field Activites DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1,2004 Revision		
21FLPBCH	FT_1400	Active	Field Measurement of Temperature	SOP-001/01 - FDEP Environmental Assesment Section, Feb. 1,2004, Department of Environmental Protection Standard Operating Procedures for Field Activites DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1,2004 Revision		
21FLPBCH	FT_1500	Active	Field Measurement of Dissolved Oxygen	SOP-001/01 - FDEP Environmental Assesment Section, Feb. 1,2004, Department of Environmental Protection Standard Operating Procedures for Field Activites DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1,2004 Revision		
21FLPBCH	FT_1600	Active	Field Measurement of Turbidity	SOP-001/01 - FDEP Environmental Assesment Section, Feb. 1,2004, Department of Environmental Protection Standard Operating Procedures for Field Activites DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1,2004 Revision		

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21FLPBCH

Palm Beach County Environmental Resources Managemnt(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLPBCH	FT_1700	Active	Field Measurement of Light Penetration (Secchi Depth and Transparency)	SOP-001/01 - FDEP Environmental Assesment Section, Feb. 1,2004, Department of Environmental Protection Standard Operating Procedures for Field Activites DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1,2004 Revision		
21FLPBCH	FT_1800	Active	Field Measurement of Water Flow and Velocity	SOP-001/01 - FDEP Environmental Assesment Section, Feb. 1,2004, Department of Environmental Protection Standard Operating Procedures for Field Activites DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1,2004 Revision		
21FLPBCH	FT_1900	Active	Continuous Monitoring with Installed Meters	SOP-001/01 - FDEP Environmental Assesment Section, Feb. 1,2004, Department of Environmental Protection Standard Operating Procedures for Field Activites DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1,2004 Revision		
21FLPBCH	YSI	Active	YSI 600 XL Probe	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	YSI Multi Probe Handheld Instrument	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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Palm Beach County Environmental Resources Managemnt(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3.4	Active	Coliforms- Membrane Filter	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Colorimeter	
APHA	3111-C	Active	Metals in Water by FLAA-Extraction/Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by	American Public Health Association, 1992,	Ion Selective	

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Palm Beach County Environmental Resources Managemnt(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Membrane Electrode Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Electrode	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
NIOSH	6010	Active	Hydrogen Cyanide by Visible Absorption	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	

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Palm Beach County Environmental Resources Managemnt(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry		Colorimeter	

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Palm Beach County Environmental Resources Managemnt(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	

Field/Lab Analytical Procedures and Equipment Detail

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21FLPCSW

PROJECT COAST - Southwest Florida Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLPCSW	10200-H_M	Active	Chlorophyll concentrations were determined spectrophotometrically Method 10200-H APHA	PASCO - Frazer, T.K., S.K. Notestein, J.A. Hale, M.V. Hoyer, D.E. Canfield, 2003, Water Quality Characteristics of the Nearshore Gulf Coast Waters Adjacent to Pasco County, Florida, Southwest Florida Water Management District, Methods Pg. 5		
Description Chlorophyll concentrations (µg/L) were determined spectrophotometrically (Method 10200-H; American Public Health Association 1989) following pigment extraction with hot ethanol (Sartory and Grobbelaar 1984).						
21FLPCSW	4500-NO3(F)_M	Active	Total nitrogen concentrations (µg/L) determined by oxidizing water samples with persulfate	PASCO - Frazer, T.K., S.K. Notestein, J.A. Hale, M.V. Hoyer, D.E. Canfield, 2003, Water Quality Characteristics of the Nearshore Gulf Coast Waters Adjacent to Pasco County, Florida, Southwest Florida Water Management District, Methods Pg. 5		
Description Total nitrogen concentrations (µg/L) were determined by oxidizing water samples with persulfate (Menzel and Corwin 1965) and measuring nitrate-nitrogen concentrations with second-derivative spectroscopy (Bachmann and Canfield 1996).						
21FLPCSW	4500-P-E_M	Active	Total phosphorus concentrations were determined using the procedures of Murphy and Riley (1962)	PASCO - Frazer, T.K., S.K. Notestein, J.A. Hale, M.V. Hoyer, D.E. Canfield, 2003, Water Quality Characteristics of the Nearshore Gulf Coast Waters Adjacent to Pasco County, Florida, Southwest Florida Water Management District, Methods Pg. 5		
Description Total phosphorus concentrations (µg/L) were determined using the procedures of Murphy and Riley (1962), with a persulfate digestion (Menzel and Corwin 1965).						
21FLPCSW	PROJECT COAST	Active	Project Coast Field and Lab Analytical Procedures	PASCO - Frazer, T.K., S.K. Notestein, J.A. Hale, M.V. Hoyer, D.E. Canfield, 2003, Water Quality Characteristics of the Nearshore Gulf Coast Waters Adjacent to Pasco County, Florida, Southwest Florida Water Management District, Methods Pg. 5		
APHA	2120-C	Active	Color in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLPCSW

PROJECT COAST - Southwest Florida Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

Field/Lab Analytical Procedures and Equipment Detail

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21FLPDEM Pinellas County Dept. of Environmental Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLPDEM	ENTEROLE RT	Active	Enterococcus Group Bacteria	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPDEM	EPA 200.7	Active	Aluminum, dissolved	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	EPA 351.2	Active	Nitrogen, Total	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPDEM	EPA 365.4	Active	Total Phosphorus after block digestion	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	EPA 6010	Active	Magnesium	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLPDEM	EPA 6010 AL	Active	Aluminum, Dissolved	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPDEM	EPA 6010 AL TOT	Active	Aluminum, Total	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPDEM	EPA 6010 CAD	Active	Cadmium	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	EPA 6010 IRON	Active	Iron	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010		

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21FLPDEM Pinellas County Dept. of Environmental Management (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLPDEM	EPA 6010 LEAD	Active	Lead	USDOC, NOAA, 19--., Compendium of Methods for Estuarine and Marine Environmental Studies, NOAA, NOAA_METHODS		
21FLPDEM	EPA 6010 ZINC	Active	Zinc	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111		
21FLPDEM	EPA6010	Active	Calcium	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
21FLPDEM	F COLIFORM	Active	Fecal Coliform Bacteria	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	F STREP	Active	Fecal Strep Bacteria	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	FISH MEASURE	Active	Field determination of whole fish physical characteristics	Unknown, 19--., No Cite - Method Not Cited, Unknown, Vol --		
21FLPDEM	FLOW 001	Active	Flow	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1	Probe	
21FLPDEM	FT 1000	Active	Field Measurements and Observations	DEP-QA-001/92, 1992, Florida Department of Environmental Protection QA-001/92, DEP, Page 1of 3		
21FLPDEM	HABITAT FIELD	Active	Field station visit habitat measurements and observations	Unknown, 19--., No Cite - Method Not Cited, Unknown, Vol --		
21FLPDEM	HYDROLAB 001	Active	Depth measurment in field with probe	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of	CTD Vertical Profiler - Multi Probe	

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21FLPDEM Pinellas County Dept. of Environmental Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Environmental Management, 1		
21FLPDEM	HYDROLAB 002	Active	Temperature measurement in field with probe	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1	CTD Vertical Profiler - Multi Probe	
21FLPDEM	HYDROLAB 003	Active	pH measurement in field with probe	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1	CTD Vertical Profiler - Multi Probe	
21FLPDEM	HYDROLAB 004	Active	Dissolved oxygen (DO)	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1	CTD Vertical Profiler - Multi Probe	
21FLPDEM	HYDROLAB 005	Active	Conductivity measurement in field with probe	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1	CTD Vertical Profiler - Multi Probe	
21FLPDEM	HYDROLAB 006	Active	ORP measurement in field with probe	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1	CTD Vertical Profiler - Multi Probe	
21FLPDEM	HYDROLAB 007	Active	Salinity measurement in field with probe	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1	CTD Vertical Profiler - Multi Probe	
21FLPDEM	HYDROLAB 009	Active	total depth measurement with probe	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	HYDROLAB 004	Active	Dissolved Oxygen measurement with probe	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		

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21FLPDEM

Pinellas County Dept. of Environmental Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLPDEM	LIGHT ATTENUATI	Active	Light attenuation coefficient	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	SECCHI 001	Active	Secchi depth measurement in field	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1	Human Eye	
21FLPDEM	SM 10200 H	Active	Chlorophyll a, corrected for pheophytin	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	SM 2120 B	Active	Color, True	DEP-QA-001/92, 1992, Florida Department of Environmental Protection QA-001/92, DEP, Page 1 of 3		
21FLPDEM	SM 2320 B	Active	Alkalinity	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010		
21FLPDEM	SM 2340 B	Active	Hardness, Ca,Mg	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPDEM	SM 2540 B	Active	Total Suspended Solids (TSS)	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	SM 5210 B	Active	BOD, Biochemical oxygen demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPDEM	SM 9222B	Active	Total Coliform	American Public Health Association, 1992, Standard Methods for the Examination of Water		

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21FLPDEM

Pinellas County Dept. of Environmental Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPDEM	SM 9222D	Active	Total Fecal Coliform	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPDEM	SM 9223 B	Active	Total Coliforms	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPDEM	SM10200 H 001	Active	Chlorophyll A	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Visible Spectrophotometer	
21FLPDEM	SM10200 H 002	Active	Chlorophyll b	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Visible Spectrophotometer	
21FLPDEM	SM10200 H 003	Active	Chlorophyll c	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Visible Spectrophotometer	
21FLPDEM	SM10200 H 004	Active	Pheophytin A	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Visible Spectrophotometer	
21FLPDEM	SM2130 B	Active	Turbidity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Turbidimeter	
21FLPDEM	SM2540 B	Active	Residue, Total (TSS)	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Filtration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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21FLPDEM

Pinellas County Dept. of Environmental Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
21FLPDEM	SM2540 D	Active	Total Suspended Solids (TSS)	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	SM4500 NH3H	Active	Ammonia NH3	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
21FLPDEM	SM4500 NO3 F	Active	Nitrate + Nitrite NOX	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
21FLPDEM	SM4500-CL B	Active	Chloride	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Digital Buret	
21FLPDEM	SM4500-P F	Active	Orthophosphate as P	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
21FLPDEM	SM5210 B	Active	Biochemical Oxygen Demand 5 day	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Probe	
21FLPDEM	STATION OBS	Active	Field station visit physical direct measurements and observations	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		
21FLPDEM	TCOLI	Active	Total Coliform Bacteria	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1		

Field/Lab Analytical Procedures and Equipment Detail

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21FLPDEM Pinellas County Dept. of Environmental Management (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLPDEM	TEMP 001	Active	Temperature degrees C, Hydrolab probe method # 2550 B	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	CTD Vertical Profiler - Multi Probe	
21FLPDEM	TRANSMISSIVITY	Active	Light, transmissivity	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1	Spectrophotometer	
21FLPDEM	WEATHER 001	Active	Field station visits general weather observations	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1	Human Eye	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLPNS

Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLPNS	200.7 MOD	Active	Metals,tot.recoverable in aq. samples by trace-ICP emission spectroscopy	FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk		
21FLPNS	200.8 MOD	Active	Metals, tot. recoverable in aq. samples by ICP mass spec.	FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk		
21FLPNS	2540G SM	Active	Percent Solids in Sediment - Dry Weight	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLPNS	300.0	Active	Inorganic ions - chloride, sulfate in aqueous samples	USEPA, UNK, USEPA - Not listed in STORET tables, USEPA, unk		
21FLPNS	6010 MOD	Active	Metals, tot. recoverable, in solid samples by trace-ICP emission spectroscopy	FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk		
21FLPNS	6020 ICP MS	Active	ICP Mass Spectrophotometry for Metals in Sediment	USEPA, 1990, Method 6020 CLP-M: Inductively Coupled Plasma-Mass Spectrometry., USEPA, O1A0007861		
21FLPNS	625/8270 MOD	Active	Semi-volatile, base neutral extractable organics in water by GC/MS	FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk		USEPA/625
21FLPNS	8270 MOD	Active	Semi-volatile organic pollutants, excluding PCBs and Toxaphene, in soils/sediments by GC/MS	FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk		
21FLPNS	HG-008-3	Active	DEP SOP Method - Mercury in Sediment	FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk		
21FLPNS	SECCHI	Active	Secchi Depth Protocol	USEPA, 1997, Volunteer Stream Monitoring: A Methods manual., USEPA, EPA 841/B-97-003	Human Eye	
21FLPNS	SM10200H MOD	Active	Chlorophyll A and Phaeophytin Monochromatic,	FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk		

Field/Lab Analytical Procedures and Equipment Detail

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21FLPNS		Florida Department of Environmental Protection					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
			Water				
	Description	American Public Health Association;1998;Standard Methods for the Examination of Water and Wastewater, 20th Edition.;American Public Health Association;20th Edition					
21FLPNS	STANDMET H	Active	Standard Methods for the Examination of Water and Wastewater	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition			
21FLPNS	WIND	Active	Wind Velocity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection- related equipment(eg color charts)		
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope		
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope		
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition			
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube		
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	160.2	Active	Non-Filterable Residue -	USEPA, 1983, Methods for Chemical Analysis of	Laboratory		

Field/Lab Analytical Procedures and Equipment Detail

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21FLPNS Florida Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			TSS	Water and Wastes, USEPA, EPA 600/4-79-020	Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.1(FLAA)	Active	Acid Soluble Metals in Water by FLAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Generic inspection-related equipment(eg color charts)	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLPNS

Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	625	Active	Base/Neutral and Acid Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	8081(S)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8141A(S)	Active	Organophosphorus Compounds in Soil by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Flame Photometric Detector	
USEPA	8290	Active	Polychlorinated PCDDs and PCDFs by HRGC/HRMS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Resolution Mass Spectrophotometer	
USEPA	PART_1	Active	Trihalomethanes in Water by Purge and Trap	USEPA, 1993, 40 CFR Part 141, (National Primary Drinking Water Regulations), USEPA, 40CFR_141	GC with Halogen Specific Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21FLPOLK

Polk County Water Resources (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLPOLK	10200	Active	Chlorophyl a	Polk County, 1984, YSI, Polk County, 1		
21FLPOLK	10200 H	Active	Chlorophyl a	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	1600	Active	Enterococci, MF	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076		
21FLPOLK	2130 B	Active	Turbidity	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	2320 B	Active	Alkalinity total	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	2340 B	Active	Calcium Hardness	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	2340 C	Active	Hardness Total	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	2510 B	Active	Conductance, specific (lab)	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	2510-B	Active	Conductance, specific (lab)	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	351.2 TKN DISS	Active	Nitrogen, TKN Dissolved	Polk County, 1984, YSI, Polk County, 1		
21FLPOLK	351.2-350.1	Active	Organic Nitrogen	Polk County, 1984, YSI, Polk County, 1		
21FLPOLK	351.2-4500 NO3F	Active	Total Nitrogen	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPOLK	4500 - NH3 H	Active	Nitrogen, ammonia	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		

Field/Lab Analytical Procedures and Equipment Detail

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21FLPOLK Polk County Water Resources (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLPOLK	4500 H+ B	Active	pH (lab)	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	4500 TP DISS	Active	Phosphorus Total Dissolved	Polk County, 1984, YSI, Polk County, 1		
21FLPOLK	78	Active	Secchi Disk	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLPOLK	9230 C	Active	Enterococci	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	9230-C	Active	Enterococci, MF	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPOLK	DEP SOP 2/12/01	Active	Uninonized NH3	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	DEP SOP FT 1100	Active	pH	Polk County, 1984, YSI, Polk County, 1		
21FLPOLK	DEP SOP FT 1200	Active	Conductance, specific	Polk County, 1984, YSI, Polk County, 1		
21FLPOLK	DEP SOP FT 1400	Active	Temperature, water	Polk County, 1984, YSI, Polk County, 1		
21FLPOLK	DEP SOP FT 1500	Active	Dissolved oxygen	Polk County, 1984, YSI, Polk County, 1		
21FLPOLK	DEP SOP FT 1720	Active	Secchi transparency	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	DEP SOP10/3/83	Active	Unionized Ammonia	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21FLPOLK	FS 2100	Active	Total Coliform	Unknown, 19--, No Cite - Method Not Cited,		

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21FLPOLK Polk County Water Resources (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Unknown, Vol --		
21FLPOLK	FT 1600	Active	Turbidity in Field	Polk County, 1984, YSI, Polk County, 1		
21FLPOLK	MERCK	Active	Enterococci, P/A - Merck Chromocult	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	PCNRD HACH8326	Active	Aluminum	DEP Methods, 1992, DEP Standard Methods, DEP, ALL		
21FLPOLK	SD	Active	Secchi Disk	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
21FLPOLK	YSI	Active	YSI	Polk County, 1984, YSI, Polk County, 1	Probe	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Titration Apparatus	

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21FLPOLK

Polk County Water Resources (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3111-D	Active	Metals in Water by FLAA-Direct Nitrous Oxide-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	

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21FLPOLK

Polk County Water Resources (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	3500-AL(D)	Active	Aluminum in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-CL(E)	Active	Residual Chlorine in Water by Titration- Low-Level Amperometric M	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL(G)	Active	Residual Chlorine by Colorimetry- DPD Colorimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CL-(E)	Active	Chloride in Water by Colorimetry- Automated Ferricyanide Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(F)	Active	Ammonia in Water Using Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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21FLPOLK		Polk County Water Resources (Florida)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	4500- NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection- related equipment(eg color charts)	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	9221-D	Active	Estimation of Bacterial Density- MPN Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	

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21FLPOLK		Polk County Water Resources (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
ASTM	D516	Active	Sulfate in Water by Turbidimeter	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Turbidimeter	
HACH	8000	Active	Chemical Oxygen Demand	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
USEPA	00-01	Active	Gross Alpha and Beta Activity in Water	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

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21FLRCID Reedy Creek Improvement District - Env Services (FLORIDA)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	6640-B	Active	Chlorinated Phenoxy Herbicides in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electrolytic Conductivity Detector	
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		

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21FLRCID Reedy Creek Improvement District - Env Services (FLORIDA)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
HACH	8000	Active	Chemical Oxygen Demand	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I,	Inductively Coupled Plasma	

Field/Lab Analytical Procedures and Equipment Detail

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21FLRCID

Reedy Creek Improvement District - Env Services (FLORIDA)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600-R-94-111	Combined with Mass Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

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21FLRCID Reedy Creek Improvement District - Env Services (FLORIDA)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19-- , Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	608.2	Active	Organochlorine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	8141(W)	Active	Organophosphorus Compounds in Water	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Capillary GC with Flame Photometric Detector	
USEPA	8270B(W)	Active	Semivolatile Organics in Water by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSARA

Sarasota County Environmental Services (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSARA	FT-1100	Active	Field Measurement of Hydrogen Ion Activity (pH)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSARA	FT-1200	Active	Field Measurement of Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSARA	FT-1300	Active	Field Measurement of Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSARA	FT-1400	Active	Field Measurement of Temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSARA	FT-1500	Active	Field Measurement of Dissolved Oxygen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSARA	FT-1700	Active	Field Measurement of Light Penetration (Secchi Depth and Transparency)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSARA	SOP-10	Active	Percent Saturation of Dissolved Oxygen	3 - J.P. Riley and G. Skirrow, Eds., 1975, Chemical Oceanography, Vol. 2. 2nd Edition., Academic Press, London, Page 603		
	Description		Calculation of the percent saturation of dissolved oxygen (DO) by dividing the measured DO by the value theoretically possible at 100% saturation for the given temperature and salinity of the ambient water. The 100% saturation value is calculated from the equation in Appendix Table 6 of Riley and Skirrow (1975). In practice the calculation is generally carried out by software operating the multiparameter meters used to measure salinity, temperature, and DO.			
21FLSARA	SOP-11	Active	Dissolved inorganic Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		Calculation of the dissolved inorganic nitrogen species present, as the sum of dissolved ammonium and dissolved nitrate plus nitrite nitrogen			
21FLSARA	SOP-12	Active	Total Nitrogen	2 - Mote Marine Laboratory, 2006, Sarasota County, Ambient Monitoring Program, 1998 to present., Mote Marine Laboratory, NA		
	Description		Calculation of total nitrogen as the sum of total Kjeldahl nitrogen and nitrate plus nitrite nitrogen			
21FLSARA	SOP-13	Active	Total Organic Nitrogen	2 - Mote Marine Laboratory, 2006, Sarasota County, Ambient Monitoring Program, 1998 to present., Mote Marine Laboratory, NA		

Field/Lab Analytical Procedures and Equipment Detail

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21FLSARA

Sarasota County Environmental Services (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Calculation of total organic nitrogen as total Kjeldahl nitrogen less ammonium nitrogen						
21FLSARA	SOP-2	Active	Standard Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSARA	SOP-4	Active	Percent Cloud Cover	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Estimation of % of celestial hemisphere obscured by clouds, generally in 10% increments. Determined by mentally arranging all visible clouds against one horizon and estimating the fraction of the dome obscured.						
21FLSARA	SOP-5	Active	Wind Direction and Velocity	2 - Mote Marine Laboratory, 2006, Sarasota County, Ambient Monitoring Program, 1998 to present., Mote Marine Laboratory, NA		
21FLSARA	SOP-6	Active	Wave Height	2 - Mote Marine Laboratory, 2006, Sarasota County, Ambient Monitoring Program, 1998 to present., Mote Marine Laboratory, NA		
21FLSARA	SOP-7	Active	Depth to bottom	2 - Mote Marine Laboratory, 2006, Sarasota County, Ambient Monitoring Program, 1998 to present., Mote Marine Laboratory, NA		
21FLSARA	SOP-8	Active	Depth of Observation/Sample	2 - Mote Marine Laboratory, 2006, Sarasota County, Ambient Monitoring Program, 1998 to present., Mote Marine Laboratory, NA		
21FLSARA	SOP-9	Active	Attenuation Coefficient	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Two intercalibrated LiCor PAR sensors (2-pi) are used in a fixed separation configuration to simultaneously measure PAR at two depths. Attenuation coefficients are calculated from these values.						
APHA	10200-F	Active	Phytoplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSARA

Sarasota County Environmental Services (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of	Colorimeter	

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21FLSARA

Sarasota County Environmental Services (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	

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21FLSCCF		Sanibel Captiva Conservation Foundation (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSCCF	CHLA	Active	Chlorophyll a	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSCCF	COLOR	Active	Color	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSCCF	NOX	Active	Nitrate-nitrite	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSCCF	PHAE	Active	Phaeophytin	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSCCF	PTOT	Active	Total phosphorus	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSCCF	TKN	Active	Total Kjeldahl Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLSCCF	TSS	Active	Total suspended solids	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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21FLSEAS

Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSEAS	FIELD_MSR	Active	Field Msr/Obs for Wind Velocity and Direction	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
AOAC	973.41	Active	pH of Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
AOAC	973.45	Active	Oxygen (Dissolved) in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Titration Apparatus	
AOAC	978.23	Active	Fecal Coliforms in Shellfish Waters	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	Generic method-specific equipment	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	

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21FLSEM Seminole County (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSEM	FT1100	Active	pH by FDEP Standards	Florida Department of Environmental Protection, 2005, FDEP Field Analytical Methods Crosswalk, Florida Department of Environmental Protection, FDEP Website		
21FLSEM	FT1200	Active	Specific Conductivity by FDEP Standards	Florida Department of Environmental Protection, 2005, FDEP Field Analytical Methods Crosswalk, Florida Department of Environmental Protection, FDEP Website		
21FLSEM	FT1400	Active	Temperature, Water by FDEP Standards	Florida Department of Environmental Protection, 2005, FDEP Field Analytical Methods Crosswalk, Florida Department of Environmental Protection, FDEP Website		
21FLSEM	FT1500	Active	Dissolved Oxygen (DO) by FDEP Standards	Florida Department of Environmental Protection, 2005, FDEP Field Analytical Methods Crosswalk, Florida Department of Environmental Protection, FDEP Website		
21FLSEM	FT1600	Active	Turbidity by FDEP Standards	Florida Department of Environmental Protection, 2005, FDEP Field Analytical Methods Crosswalk, Florida Department of Environmental Protection, FDEP Website		
21FLSEM	FT1700	Active	Secchi Disk Depth by FDEP Standards	Florida Department of Environmental Protection, 2005, FDEP Field Analytical Methods Crosswalk, Florida Department of Environmental Protection, FDEP Website		
21FLSEM	SECCHI	Active	Secchi Depth	Forsberg, C. and S. O. Ryding, 1980, Eutrophication parameters and trophic state indices in 30 Swedish waste-receiving lakes., Arch. fur Hydrobiol., 88: 189-207.		
21FLSEM	YSI	Active	YSI Incorporated 6-series Environmental Monitoring	YSI Corporation., 2000, YSI Incorporated 6-series Environmental Monitoring., YSI Incorporated., Appendix J.		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water	Spectrophotometer	

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21FLSEM

Seminole County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
NIOSH	2510	Active	1-Octanethiol by GC/FPD	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for	Gas Chromatograph	

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21FLSEM

Seminole County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Occupational Safety and Health, 4th Edition		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	310.1_M	Active	Alkalinity in Water by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	pH meter	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotomet	

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21FLSEM		Seminole County (Florida)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				Water and Wastes, USEPA, EPA 600/4-79-020	er		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer		
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)		
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer		
USEPA	420.2	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer		
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid	Inductively		

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21FLSEM

Seminole County (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Coupled Plasma Combined with Mass Spectrophotome	
USEPA	9065	Active	Total Phenolics by Spectroscopy	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSFWM

South Florida Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSFWM	BULK DENSITY	Active	Bulk Density of Soil	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
21FLSFWM	CACO3	Active	Calcium Carbonate (Original description)	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
21FLSFWM	CATION EXCHANGE	Active	Original Description = Cation Exchange Capacity	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
21FLSFWM	CORRECTED	Active	Original Information in STORET (corrected for phaeophytin). In DBHYDRO = A2	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
21FLSFWM	FIELD ALKALINITY	Active	Field Alkalinity	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
21FLSFWM	FP-1	Active	Procedures for Field Parameters	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
21FLSFWM	FREON-EXT	Active	Freon Extraction Method	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
21FLSFWM	HALOWAX 1000	Active	Halowax 1000	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
21FLSFWM	HALOWAX 1099	Active	Halowax 1099	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
21FLSFWM	IODIDE-ORGANIC	Active	iodide in organic compounds, Water, WHOLE	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		

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21FLSFWM

South Florida Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSFWM	TITRATION	Active	Alkalinity by Titration	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
21FLSFWM	WQ-1	Active	Laboratory Procedures for Water Quality Chemical Analysis	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1		
USEPA	204.2	Active	Antimony by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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21FLSJWM

St. Johns Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSJWM	200.7	Active	SJR-200.7	Environmental Protection Agency, 2001, TRACE ELEMENTS IN WATER, SOLIDS, AND BIOSOLIDS BY INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROMETRY, USEPA, EPA-821-R-01-010		
21FLSJWM	200.8	Active	SJR-200.8	Environmental Protection Agency, 1999, Determination of Trace Elements In Waters And Wastes By Inductively Coupled Plasma-Mass Spectrometry, USEPA, EPA-821-R-99-017		
21FLSJWM	300.0	Active	SJR-300.0	Environmental Protection Agency, 1999, Determination of Inorganic Anions By Ion Chromatography, USEPA, EPA-821-R-99-015		
21FLSJWM	909A.1	Active	SJR-909A.1	Environmental Protection Agency, 1978, Coliforms, Fecal - Monitoring of Water & Wastes, USEPA, EPA-600/8-78-017		
21FLSJWM	MICROBIO	Active	SJR-MICROBIO	Environmental Protection Agency, 1978, Coliforms, Fecal - Monitoring of Water & Wastes, USEPA, EPA-600/8-78-017		
21FLSJWM	OTHER/UN KNOWN	Active	Other or Unknown Procedure	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--		
APHA	10200-F	Active	Phytoplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-G	Active	Zooplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	

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St. Johns Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3120	Active	Metals in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-D	Active	Estimation of Bacterial Density- MPN Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	

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St. Johns Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
NIOSH	3500	Active	Formaldehyde by Visible Absorption Spec.	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	Spectrophotometer	
USDOI/USGS	B0051	Active	Fecal Coliform Bacteria-Presumptive Test- MPN Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0065	Active	Fecal Streptococcal Bacteria-Presumptive/Confirmation-MPN Metho	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	I2700	Active	Silica in Water by Colorimetry	USDOI, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USEPA	10	Active	Carbon Monoxide Emissions in Air	USEPA, 19--., 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Nondispersive Infrared Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

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21FLSJWM

St. Johns Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	202.2	Active	Aluminum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet	

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St. Johns Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.2	Active	Manganese by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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St. Johns Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	282.2	Active	Tin by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion	USEPA, 1993, Methods for the Determination of	Ion	

Field/Lab Analytical Procedures and Equipment Detail

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St. Johns Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Chromatography	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by	USEPA, 1983, Methods for Chemical Analysis of	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSJWM

St. Johns Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	4	Active	Moisture Content in Stack Gases	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	No equipment	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	5	Active	Particulate Emissions in Air	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSMRC

SMR Communities, Inc. (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSMRC	FT_1100	Active	Field Measurement of Hydrogen Ion Activity (pH)	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
Description Field Measurement of Hydrogen Ion Activity (pH)						
21FLSMRC	FT_1200	Active	Field Measurement of Specific Conductance	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
Description Field Measurement of Specific Conductance						
21FLSMRC	FT_1400	Active	Field Measurement of Temperature	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
Description Field Measurement of Temperature						
21FLSMRC	FT_1500	Active	Field Measurement of Dissolved Oxygen	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
Description Field Measurement of Dissolved Oxygen						
21FLSMRC	FT_1600	Active	Field Measurement of Turbidity	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		

Field/Lab Analytical Procedures and Equipment Detail

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21FLSMRC

SMR Communities, Inc. (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Field Measurement of Turbidity						
21FLSMRC	FT_1800	Active	Field Measurement of Water Flow and Velocity	SOP-001/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities , Florida Department of Environmental Protection, 2004 Revision		
Description Field Measurement of Water Flow and Velocity						
21FLSMRC	NO2+NO3	Active	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Calculation						
21FLSMRC	TN	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Calculated						
21FLSMRC	TP	Active	Total Phosphate	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Calculated						
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-C	Active	Total Organic Carbon in	American Public Health Association, 1992,	Total Organic	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSMRC

SMR Communities, Inc. (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water- Ultraviolet Oxidation Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Carbon - UV Oxidation - IR/FID Detector	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	

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21FLSMRC

SMR Communities, Inc. (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSUW

Suwannee River Water Management District (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSUW	10200 SM	Active	CHLOROPHYLL A-B-C	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLSUW	NOT REPORTED	Active	Method not reported	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSUW

Suwannee River Water Management District (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSUW

Suwannee River Water Management District (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSWFD

Southwest Florida Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSWFD	FT-1100	Active	Field Measurement of Hydrogen Ion Activity (pH)	SOP-00/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLSWFD	FT-1200	Active	Field Measurement of Specific Conductance	SOP-00/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLSWFD	FT-1300	Active	Field Measurement of Salinity	SOP-00/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLSWFD	FT-1400	Active	Field Measurement of Temperature	SOP-00/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLSWFD	FT-1500	Active	Field Measurement of Dissolved Oxygen	SOP-00/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLSWFD	FT-1600	Active	Field Measurement of Turbidity	SOP-00/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		

Field/Lab Analytical Procedures and Equipment Detail

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21FLSWFD

Southwest Florida Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLSWFD	FT-1700	Active	Field Measurement of Light Penetration (Secchi Depth and Transparency)	SOP-00/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLSWFD	FT-1800	Active	Field Measurement of Water Flow and Velocity	SOP-00/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
21FLSWFD	FT-1900	Active	Continuous Monitoring With Installed Meters	SOP-00/01 - Florida Department of Environmental Protection, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities, Florida Department of Environmental Protection, 2004 Revision		
APHA	10200-G	Active	Zooplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSWFD

Southwest Florida Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3111-D	Active	Metals in Water by FLAA-Direct Nitrous Oxide-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992,	Graphite Furnace	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSWFD

Southwest Florida Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Atomic Absorption Spectrophotometer	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SI(F)	Active	Silica in Water by Automated Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
ASTM	D5176	Active	Nitrogen in Water by	American Society for Testing of Materials, 1994,	Fluorometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSWFD

Southwest Florida Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Pyrolysis Detection	ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	200	Active	Metals by Atomic Absorption	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotomet	

Field/Lab Analytical Procedures and Equipment Detail

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21FLSWFD

Southwest Florida Water Management District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Spectrophotometry	Water and Wastes, USEPA, EPA 600/4-79-020	er	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21FLTBW

Tampa Bay Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLTBW	FIELD	Active	In Situ Profile	PBS&J, 2002, Tampa Bypass Canal/Alafia River Water Supply Projects Hydrobiological Monitoring Program - Quality Assurance and Quality Control Plan, PBS&J, Version 1.1		
Description Vertical profile taken in situ at set depth increments with a multiprobe sonde such as one from the YSI 600 series. The unit is capable of measuring Temperature, pH, conductivity, Salinity, and dissolved oxygen						
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotomet	

Field/Lab Analytical Procedures and Equipment Detail

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21FLTBW

Tampa Bay Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Reagent Colorimetry	Water and Wastes, USEPA, EPA 600/4-79-020	er	

Field/Lab Analytical Procedures and Equipment Detail

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21FLTPA

Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLTPA	600/9-78-018	Active	Algal Growth Potential in water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		The measure of Algal Growth Potential in surface water				
21FLTPA	FT1100	Active	pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLTPA	FT1200	Active	Specific conductivity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLTPA	FT1300	Active	Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLTPA	FT1400	Active	Temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLTPA	FT1500	Active	Dissolved oxygen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLTPA	FT1700	Active	Depth, Secchi disk depth	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLTPA	SOP-2	Active	To be updated	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5220-C	Active	Chemical Oxygen Demand by Titration- Closed Reflux Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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21FLTPA

Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Ion Chromatograph	

Field/Lab Analytical Procedures and Equipment Detail

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21FLTPA

Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.3	Active	Chemical Oxygen Demand in Saline Waters	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21FLVEMD

Volusia County Environmental Health Lab (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLVEMD	2120B	Active	True Color	Mary Ann H. Franson, Managing Editor, 1998, Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 20th Ed., page10-18		
21FLVEMD	8317	Active	Lead	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
21FLVEMD	9222D	Active	Fecal Coliform	Mary Ann H. Franson, Managing Editor, 1998, Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 20th Ed., page10-18		
21FLVEMD	9230C	Active	Enterococcus Bacteria	Mary Ann H. Franson, Managing Editor, 1998, Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 20th Ed., page10-18		
21FLVEMD	EPA FECAL COL	Active	Direct Membrane Filter Method for Fecal Coliform	Edited by Robert Bordner and John Winter, 1978, Microbiological Methods for Monitoring the Environment, USEPA,ORD,Nat. Environmental Research Lab, Cincinnati, PART III. ANALYT. M		
21FLVEMD	EPA TOTAL COL	Active	Single-Step Membrane Filter Method for Total Coliform	Edited by Robert Bordner and John Winter, 1978, Microbiological Methods for Monitoring the Environment, USEPA,ORD,Nat. Environmental Research Lab, Cincinnati, PART III. ANALYT. M		
21FLVEMD	HCT154	Active	Cadmium Volusia	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLVEMD	SOP-2	Active	Field/Lab Analytical Standard Operation Procedure	Compiled by Melissa Bouchelle, 1993, Indian River Lagoon Water Quality Monitoring Network QA / QC Manual, SJRWMD Indian River Lagoon National Estuary Program, Section 7.0, Page 1		
21FLVEMD	VCEHLP-002	Active	Field Station Visit Salinity Measurement	Hydrolab Corporation, 1998, DataSonde 4 and MiniSonde User's Manual, Hydrolab Corporation, Chapter 3, page 21		

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21FLVEMD

Volusia County Environmental Health Lab (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLVEMD	VCEHLP-003	Active	Field Station Visit Secchi Measurement	Compiled by Melissa Bouchelle, 1993, Indian River Lagoon Water Quality Monitoring Network QA / QC Manual, SJRWMD Indian River Lagoon National Estuary Program, Section 7.0, Page 1		
21FLVEMD	VCEHLP-004	Active	Chlorophyll	Mary Ann H. Franson, Managing Editor, 1998, Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 20th Ed., page10-18		
21FLVEMD	WEATHER-001	Active	Field Station Visit Weather Observations	Compiled by Melissa Bouchelle, 1993, Indian River Lagoon Water Quality Monitoring Network QA / QC Manual, SJRWMD Indian River Lagoon National Estuary Program, Section 7.0, Page 1		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	3500-CD(D)	Active	Cadmium in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and	American Public Health Association, 1992,		

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21FLVEMD

Volusia County Environmental Health Lab (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Enterococcus, Membrane Filter Technique	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
HACH	8008	Active	Total Iron in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8506	Active	Copper in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	1106_1	Active	Enterococci in Water by Membrane Filter	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	

Field/Lab Analytical Procedures and Equipment Detail

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21FLVEMD

Volusa County Environmental Health Lab (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLWPB	10200H(2)(B)	Active	STANDARD METHODS 10200(2)(B) - CHLOROPHYLL A, PHAEOPHYTIN CORRECTION METHOD	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	10200H(2)(C)	Active	CHLOROPHYLL BY TRICHOAMTIC METHOD - STANDARD METHODS 10200H(2)(C)	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2120B	Active	STANDARD METHODS 2120B COLOR BY VISUAL	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2130B	Active	STANDARD METHODS 2130B TURBIDITY NTU	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2320B	Active	STANDARD METHODS 2320B - ALKALINITY	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2340C	Active	STANDARD METHODS 2340C - HARDNESS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2510B	Active	STANDARD METHODS 2510B CONDUCTIVITY	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2520B	Active	STANDARD METHODS 2520B - SALINITY	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		

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21FLWPB Florida Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLWPB	2540B	Active	STANDARD METHODS 2540B - TOTAL SOLIDS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2540B1	Active	STANDARD METHODS - 2540B1 - FIXED SOLIDS % RESIDUE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2540C	Active	STANDARD METHODS 2540C - TOTAL DISSOLVED SOLIDS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2540D	Active	STANDARD METHODS 2540D - TSS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2540E	Active	STANDARD METHODS - 2540E - % VOLATILE SOLIDS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	2580B	Active	STANDARD METHODS 2580B - ORP - STORET 00090	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	300.0	Active	Sulfate	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	3500-CR-C	Active	Standard Methods-Total Chromium	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	3500-PB-C	Active	Total lead	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 20th Edition		
21FLWPB	351.2 W/O DIG	Active	USEPA/ORD METHOD 351.2 AMMONIA WITHOUT DIGESTION	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	4500	Active	STANDARD METHODS 4500 - DISSOLVED OXYGEN BY PROBE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	4500-CLC	Active	STANDARD METHODS - 4500-CLC - CHLORIDE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	4500-PF	Active	STANDARD METHODS - 4500-PF- ORTHO PHOSPHORUS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	4500CL	Active	STANDARD METHODS 4500CL - CHLORINE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	4500F	Active	STANDARD METHODS 4500F - FLUORIDE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	4500H	Active	STANDARD METHODS 4500H - pH BY PROBE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	4500N	Active	STANDARD METHODS 4500N - NITROGEN - STORET 00600 -	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		

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21FLWPB Florida Department of Environmental Protection						Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
21FLWPB	4500SI	Active	STANDARD METHODS 4500SI - SILICA	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	5210B	Active	STANDARD METHODS 5210B - Biological Oxygen Demand - 5 Day	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	5220B	Active	STANDARD METHODS 5220 B - COD	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	5540C	Active	STANDARD METHODS 5540C - MBAS - STORET 38260	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	600/9222-D	Active	EPA 600/8-78-017; SM 9222 D for FCOLI	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Primarily SM922D but we also include the verification steps under EPA 600/8-78-017				
21FLWPB	7471_M	Active	Mercury in Solid or Semi- solid Waste	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	8010F	Active	STANDARD METHODS - UNIONIZED AMMONIA	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	8081/8082_ M	Active	Organochlorine Pesticides and PCB's as Arochlors by Capillary Cloumn GC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	8141A(S)_M	Active	Organophosphorus Compounds in Soil by GC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	9222B	Active	STANDARD METHODS	American Public Health Association, 1998,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			9222B - TOTAL COLIFORMS MEMBRANE	Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	9222D	Active	STANDARD METHODS 9222D - FECAL COLIFORM MEMBRANE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	9230C	Active	STANDARD METHODS 9230C - FECAL STREPTOCOCCUS - MEMBRANE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	DEP-SED-SOP-003	Active	Ammonia-NH3 Automated Phenate Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	DEP-SED-SOP-007	Active	Chloride-Titrimetric Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	DEP-SED-SOP-011	Active	Hardness, Total (mg/l as CaCO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	DEP-SED-SOP-012	Active	Nitrate-Nitrite (NO2+3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	DEP-SED-SOP-015	Active	Reactive Orthophosphate	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
21FLWPB	DEP-SED-SOP-019	Active	Total Kjeldahl Nitrogen (TKN) Salicylate Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	DEP-SED-SOP-021	Active	Total Phosphorus (TP) Colorimetric Automated Block Digester AAll	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	DEP-SED-SOP-023	Active	Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	DEPSOP-	Active	Organochlorine pesticides	Unknown, 19--, No Cite - Method Not Cited,		

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21FLWPB Florida Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	GC-011-5		and PCB's in water matrices by GC/ECD	Unknown, Vol --		
21FLWPB	DEPSOP-GC-012-3	Active	Organonitrogen and phosphorus pesticides in water matrices by GC/NPD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	DEPSOP:H G-008-3	Active	Mercury in Sediment - Tallahassee Central Laboratory	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	FT_1100	Active	FIELD MEASUREMENT OF HYDROGEN ION ACTIVITY (pH)	FDEP Central Lab, 1999, FDEP SOP1 , FDEP Central Lab, 1-1000		
Description 21FLWPB						
21FLWPB	FT_1200	Active	FIRLD MEASUREMENT OF SPECIFIC CONDUCTANCE	FDEP Central Lab, 1999, FDEP SOP1 , FDEP Central Lab, 1-1000		
21FLWPB	FT_1300	Active	FIELD MEASUREMENT OF SALINITY	FDEP Central Lab, 1999, FDEP SOP1 , FDEP Central Lab, 1-1000		
21FLWPB	FT_1400	Active	FIELD MEASUREMENT OF TEMPERATURE	FDEP Central Lab, 1999, FDEP SOP1 , FDEP Central Lab, 1-1000		
21FLWPB	FT_1500	Active	FIELD MEASUREMENT OF DISSOLVED OXYGEN	FDEP Central Lab, 1999, FDEP SOP1 , FDEP Central Lab, 1-1000		
21FLWPB	FT_1600	Active	FIELD MEASUREMENT OF TURBIDITY	FDEP Central Lab, 1999, FDEP SOP1 , FDEP Central Lab, 1-1000		
21FLWPB	FT_1700	Active	FIELD MEASUREMENT OF LIGHT PENETRATION (SECCHI DEPTH AND TRANSPARENCY)	FDEP Central Lab, 1999, FDEP SOP1 , FDEP Central Lab, 1-1000		
21FLWPB	SM3500-AS.C	Active	ARSENIC BY ICPMS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		

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21FLWPB Florida Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLWPB	SM3500-CU.C	Active	COPPER BY ICPMS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	SM3500-MN.C	Active	MANGANESE BY ICPMS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	SM3500-NI.C	Active	NICKEL BY ICPMS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	SM3500-PB.C	Active	LEAD BY ICPMS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	5220-B	Active	Chemical Oxygen Demand by Titration- Open Reflux Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
ASTM	D3857	Active	Water Velocity in Open Channels	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Acoustic Flow Measuring System	
USEPA	110.2	Active	Color Analysis Using	USEPA, 1983, Methods for Chemical Analysis of	Nessler Tube	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Platinum/Cobalt	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.10_M	Active	Inductively Coupled Plasma	USEPA, 19--., CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Mass Spectrophotometer	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.6	Active	Mercury in Tissue by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	320.1	Active	Bromide by Titration with	USEPA, 1983, Methods for Chemical Analysis of	Titration	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Iodine	Water and Wastes, USEPA, EPA 600/4-79-020	Apparatus	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	376.1	Active	Sulfide by Titration with Iodine	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010B	Active	Inductively Coupled Plasma	USEPA, 1998, Test Methods for Evaluating Solid	Inductively	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			AES	Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Coupled Plasma Combined with Mass Spectrophotome	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8081(S)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8082(S)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8141A(S)	Active	Organophosphorus Compounds in Soil by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Flame Photometric Detector	
USEPA	8270B(S)	Active	Semivolatile Organics in Soil by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(S)	Active	Semivolatile Organic Compounds by GC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

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21FLWPBH

City of West Palm Beach (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLWPBH	352.1+354.1	Active	NITROGEN ,TOTAL	USEPA, 2000, Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, vol 1., USEPA, 815/R-00-014		
APHA	2120-C	Active	Color in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3111-D	Active	Metals in Water by FLAA-Direct Nitrous Oxide-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	3500-CR(D)	Active	Total Hexavalent Chromium	American Public Health Association, 1992,	Spectrophotometer	

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City of West Palm Beach (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			in Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	er	
APHA	4500-CL(B)	Active	Residual Chlorine in Water by Titration- Iodometric Method I	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.1	Active	Color by Calculating ADMI Values	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of	Conductivity	

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21FLWPBH		City of West Palm Beach (Florida)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				Water and Wastes, USEPA, EPA 600/4-79-020	Bridge		
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter		
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer		
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome		
USEPA	204.2	Active	Antimony by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of	Graphite Furnace		

Field/Lab Analytical Procedures and Equipment Detail

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21FLWPBH

City of West Palm Beach (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of	Titration	

Field/Lab Analytical Procedures and Equipment Detail

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21FLWPBH		City of West Palm Beach (Florida)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
				Water and Wastes, USEPA, EPA 600/4-79-020	Apparatus	
USEPA	325.1	Active	Chloride by Colorimetric Analysis I	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	340.3	Active	Fluoride in Water by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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City of West Palm Beach (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21FLWQA Florida Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLWQA	DEP-SOP-BB14	Active	Measurement of Sediment Total Dry Weight	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	DEP-SOP-BB15_5	Active	Laser Measurement of Sediment Particle Size	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	DEP-SOP-FT 1800	Active	Field Measurement of Water Flow and Velocity	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	DEP-SOP-FT-1700	Active	Field Measurement of Light Penetration (Secchi Depth and Transparency)	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	DEP-SOP-NU-076	Active	Percent Carbon in Solid Matrices	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
APHA	10200-G	Active	Zooplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2580	Active	Oxidation-Reduction Potential of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	

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21FLWQA

Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1652	Active	Oil and Grease	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of	Thermometer	

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21FLWQA		Florida Department of Environmental Protection				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.5	Active	Mercury in Sediment by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Colorimeter	

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21FLWQA		Florida Department of Environmental Protection					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				USEPA, EPA 600/R-93-100			
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode		
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer		
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter		
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter		
USEPA	376.1	Active	Sulfide by Titration with Iodine	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector		
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome		
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants.,	GC with Electrolytic		

Field/Lab Analytical Procedures and Equipment Detail

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Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, 40 CFR Part 136	Conductivity Detector	
USEPA	614	Active	Organophosphorus Pesticides I	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Flame Photometric Detector	
USEPA	8081A(SNB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8270C(S)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8321	Active	Non-Volatile Compounds by HPLC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Performance Liquid Chromatograph with Thermospray-MS	
21FLWQA	EPA 10200G	Susp	EPA Standard Method 10200 G (mod.)	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	EPA 10200H	Susp	Chlorophyll determined by EPA Method Standard Method 10200H	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	EPA 160.2	Susp	Total Suspended Solids determined by EPA Standard Method 160.2	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		

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21FLWQA Florida Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLWQA	EPA 200.7	Susp	Metals, Total Recoverable, in aqueous samples using trace-ICP emission spectroscopy, Mod	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	EPA 200.8	Susp	Metals, Total Recoverable, in aqueous samples using ICP mass spectroscopy, mod.	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	EPA 245.2	Susp	Mercury in aqueous samples using cold vapor AA spectroscopy	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	EPA 340.2	Susp	Flouride detected by EPA Standard Method 340.2	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	EPA 415.1	Susp	EPA Method 415.1 for Total Organic Carbon in aqueous matrices	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	EPA 5210B	Susp	Biological Oxygen Demand by EPA Standard Method 5210b	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	EPA 9222B	Susp	Total Coliform determination by EPA Method Standard Method 9222B	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		
21FLWQA	EPA 9222D	Susp	Fecal Coliform determination by EPA Method Standard Method 9222D	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown		

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21FLWQSP

FDEP, Water Quality Standards and Special Projects (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLWQSP	FT1100	Active	FIELD MEASUREMENT OF HYDROGEN ION ACTIVITY (pH)	FDEPSOP1 - FDEP Central Lab, 1999, FDEP SOP, FDEP Central Lab, 1-1000		
21FLWQSP	FT1600	Active	FT 1600 FIELD MEASUREMENT OF TURBIDITY	FDEPSOP2 - FDEP Central Lab, 2004, FDEP SOP 2, FDEP Central Lab, 1-1000		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

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21GAEPD

Georgia Environmental Protection Division

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21GAEPD	UNKNOWN	Active	Unknown Field/Lab Procedure code defined for DNR-GA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	5220-D	Active	Chemical Oxygen Demand by Colorimetry- Closed Reflux	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5550-B	Active	Tannin and Lignin by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube	American Public Health Association, 1992, Standard Methods for the Examination of Water	Colorimeter	

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21GAEPD

Georgia Environmental Protection Division

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Fermentation Technique	and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9221-D	Active	Estimation of Bacterial Density- MPN Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-F	Active	Escherichia coli, Multi-tube Fermentation Technique	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
ASTM	D1889	Active	Turbidity of Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Turbidimeter	
HACH	8001(A2)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8157	Active	Dissolved Oxygen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Polarograph	
USDOI/USGS	I2600(W)	Active	Phosphorus in Water by Colorimetry	USDOI, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

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Georgia Environmental Protection Division

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen	USEPA, 1983, Methods for Chemical Analysis of	Generic	

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21GAEPD

Georgia Environmental Protection Division

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Demand	Water and Wastes, USEPA, EPA 600/4-79-020	inspection-related equipment(eg color charts)	
USEPA	502.1	Active	Volatile Halogenated Organics	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	GC with Electron Capture Detector	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21GUAM

Guam Environmental Protection Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21GUAM	GUAM01	Active	Legacy Guam EPA Analytical Procedures	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21HI Hawaii Dept. of Health						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21HI	BACTI SAMP 01	Active	Enterococcus	EPA, 1997, Membrane filter test method for Enterococci in water, EPA, Standalone document	Optical Microscope	
21HI	BACTI SAMP 02	Active	Clostridium perfringens	J.W. Bisson and V.J. Cabelli, 1979, Membrane filter enumeration method for Clostridium perfringens, Applied Environmental Microbiology, 37 no.1 p55-66	Optical Microscope	
21HI	BACTI SAMP 03	Active	Fecal Coliform	Standard Methods, 1998, Fecal Coliform membrane filter procedure, The American Public Health Association and The American Water Works Association and The Water Environment Association, 20th Ed. p9-63	Optical Microscope	
21HI	CHEM SAMP 01	Active	Salinity, Temperature, DO	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	STD Vertical Profiler - Multi Probe	
21HI	CHEM SAMP 02	Active	Turbidity	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Field/Laboratory Test Kit	
21HI	CHEM SAMP 03	Active	pH	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
21HI	CHEM SAMP 04	Active	Nitrate, Total N, Total P, Si, TSS, Ammonia N, Chlorophyll 'a';	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
21HI	HISTORIC	Active	Hawaii historic procedures for Legacy STORET	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2580	Active	Oxidation-Reduction Potential of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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21HI Hawaii Dept. of Health						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
HACH	8311	Active	Ozone in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	9050	Active	Specific Conductance	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Conductivity Bridge	

Field/Lab Analytical Procedures and Equipment Detail

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21HISPEC

Hawaii Department of Health Special Monitoring (HI)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21HISPEC	HISPEC	Active	Hawaii Special Monitoring Legacy Monitoring	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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21IOWA Iowa Dept. of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21IOWA	APHA 8010F	Active	Toxicity Test Systems, Matrials, and Procedures	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21IOWA	APHA 9222 G	Active	Fecal coliform- MF Partition Procedures	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21IOWA	APHA 9223 B	Active	Enzyme Substrate Coliform Test	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21IOWA	ASTM D6503-99	Active	Standard Test Method for Enterococci in Water Using Enterolert	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21IOWA	ASTM D888-05(C)	Active	Dissolved Oxygen by Luminescence-based Sensor	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	ASTM standard. Copyright 2007. Book of Standards Volume 11.01				
21IOWA	EPA 515.3	Active	DETERMINATION OF CHLORINATED ACIDS IN DRINKING	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	DETERMINATION OF CHLORINATED ACIDS IN DRINKING WATER BY LIQUID-LIQUID EXTRACTION, DERIVATIZATION AND GAS CHROMATOGRAPHY WITH ELECTRON CAPTURE DETECTION				
21IOWA	EPA 7471A-UHL	Active	Mercury in Solid or Semisolid Waste (UHL version)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Similar to EPA 7471A, but incorporates the digestion method				
21IOWA	EPA 8081A	Active	Organochlorine Pesticides and PCBs by GC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21IOWA	GLYCOL	Active	GLYCOL LC/MS (UHL)	Unknown, 19--, No Cite - Method Not Cited,		

Field/Lab Analytical Procedures and Equipment Detail

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21IOWA		Iowa Dept. of Natural Resources				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	LC/MS			Unknown, Vol --		
21IOWA	HYDROLAB	Active	HYDROLAB	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Field data collected using a Hydrolab				
21IOWA	LAC10-107-06-1J	Active	LAC10-107-06-1J (UHL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	comparable to USEPA 350.1				
21IOWA	LAC10-107-06-2E	Active	LAC10-107-06-2E (UHL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	comparable to USEPA 351.1				
21IOWA	PHARMA LC-1	Active	PHARMA LC-1 (UHL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21IOWA	SU-IMI/LCMS	Active	SU-IMI/LCMS (UHL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21IOWA	TIM 380-75WE	Active	TIM 380-75WE (UHL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21IOWA	UHL 8260	Active	GC/MS Volatiles	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21IOWA	UHL OA-2	Active	Total Extractable Hydrocarbons	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21IOWA	UHL8270	Active	SemiVolatiles by GC/MS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Capillary Gas Chromatograph with Mass Spectrophotometer	
21IOWA	UHLESA/OXA	Active	ESA/OXA LC/MS(UHL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21IOWA	UHLIMA	Active	Immunoassay for triazine herbicides	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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21IOWA		Iowa Dept. of Natural Resources				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21IOWA	USGS CA8	Active	USGS Flow Measurement	R.W. Carter and Jacob Davidian, 1968, USGS-TWRI General Procedure for Gaging Streams, USGS, Book 3; Chap. A6		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130-B	Active	Nephelometric Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21IOWA		Iowa Dept. of Natural Resources				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	4500-CL(G)	Active	Residual Chlorine by Colorimetry- DPD Colorimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CN(E)	Active	Cyanide in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-SI(D)	Active	Silica in Water by Spectrophotometry- Molybdosilicate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection- related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra- Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21IOWA		Iowa Dept. of Natural Resources				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9213-D	Active	E. coli method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-F	Active	Escherichia coli, Multi-tube Fermentation Technique	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
USDOI/USGS	I3765	Active	Residue by Evaporation and Gravimetric	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Laboratory Balance	
USEPA	00-02	Active	Gross Alpha Activity in Drinking Water by Coprecipitation	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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21IOWA		Iowa Dept. of Natural Resources				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1603	Active	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	USEPA, 2002, Method 1603: Escherichia coli (E. coli) in Water by Membrane Filtration Using Modified membrane-Thermotolerant Escherichia coli Agar (Modified mTEC) (September 2002), USEPA, EPA 821-R-02-023		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotomet er	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption	

Field/Lab Analytical Procedures and Equipment Detail

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21IOWA		Iowa Dept. of Natural Resources					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
					Spectrophotometer		
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer		
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph		
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	314	Active	Perchlorate in Drinking Water using Ion Chromatography	USEPA, 2000, Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, vol 1., USEPA, 815/R-00-014			
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer		
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer		

Field/Lab Analytical Procedures and Equipment Detail

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21IOWA	Iowa Dept. of Natural Resources					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.2	Active	Low Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine	Fluorometer	

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21IOWA

Iowa Dept. of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Environmental Samples, USEPA, MARINE_METHODS		
USEPA	507	Active	Nitrogen and Phosphorus Pesticides	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Nitrogen-phosphorus Detector	
USEPA	508	Active	Chlorinated Pesticides in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	547	Active	Glyphosate in Drinking Water by HPLC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	625	Active	Base/Neutral and Acid Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or	USEPA, 1994, Test Methods for Evaluating Solid	Cold Vapor	

Field/Lab Analytical Procedures and Equipment Detail

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21IOWA

Iowa Dept. of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Semisolid Waste	Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Atomic Absorption Spectrophotometer	
USEPA	8082(S)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8082(W)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	900	Active	Gross Alpha and Beta Activity in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	
USEPA	903	Active	Radium in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha Scintillation Detector	

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21KAN001

Kansas Dept. of Health & Environment

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21KAN001	I751-8	Active	Total Dissolved Solids	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS method of sum of constitu				
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
USEPA	1104	Active	E. coli in Drinking Water/EC Medium with Mug Tub	USEPA, 1991, Test Methods for Escherichia coli in Drinking Water., USEPA, EPA 600/4-91-016		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	

Field/Lab Analytical Procedures and Equipment Detail

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21KAN001

Kansas Dept. of Health & Environment

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21KAN001

Kansas Dept. of Health & Environment

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	615	Active	Chlorinated Herbicides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	900	Active	Gross Alpha and Beta Activity in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	

Field/Lab Analytical Procedures and Equipment Detail

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21KY Kentucky Division of Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21KY	\$6240	Active	Determination of Nitrogen-Phosphorus Pesticides in Water	\$6240 - EPPC, Department for Environmental Protection, Division of Environmental Services, 2005, EPPC, Department for Environmental Protection, Division of Environmental Services; DES\$6240, Determination of Nitrogen-Phosphorus Pesticides in Water; effective date May 31, 2005, EPPC, Department for Environmental Protection, Division of Environmental Services, 1		
21KY	\$6260	Active	Determination of Pesticides in Water	\$6260 - EPPC, Department for Environmental Protection, Division of Environmental Services, 2005, EPPC, Department for Environmental Protection, Division of Environmental Services; DES\$6260, Determination of Pesticides in Water; effective date May 28, 2005, EPPC, Department for Environmental Protection, Division of Environmental Services, 1		
21KY	% DO SATURATION	Active	% DO saturation	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
Description either meter readout or approximation using triangle method						
21KY	EUPHOTIC ZONE	Active	DEPTH OF 1% LIGHT PENETRATION	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
Description Depth of 1% light penetration in lake as determined by submersible photometer						
21KY	MAXIMUM DEPTH	Active	MAXIMUM LAKE DEPTH	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION		

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21KY

Kentucky Division of Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				OF WATER, 1		
	Description		Maximum lake station depth is determined as the depth at which the multimeter touches lake bottom			
21KY	SECCHI DISK	Active	SECCHI DISK VISIBILITY	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
	Description		Depth at which secchi disk barely visible			
21KY	SM 1002 G.2	Active	Fluorometric Metdod for Chlorophyll a	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
21KY	SM2340 B	Active	HARDNESS BY CALCULATION	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
21KY	SM2510 B	Active	LABORATORY METHOD FOR CONDUCTIVITY	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
	Description		HYDROLAB METHOD FOR MEASURING CONDUCTIVITY			
21KY	SM2550 B	Active	LABORATORY AND FIELD METHODS FOR TEMPERATURE	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		

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21KY

Kentucky Division of Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Hydrolab procedure for measureing temperature						
21KY	SM4500-CL B	Active	ARGENTOMETRIC METHOD FOR CHLORIDE	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
Description Standard Methods procedure for the analysis of chloride						
21KY	SM4500-H+ B	Active	ELECTROMETRIC METHOD FOR pH	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
Description Hydrolab method for measuring pH - hydrogen ion content						
21KY	SM4500-O G	Active	MEMBRANE ELECTRODE METHOD FOR DISSOLVED OXYGEN	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
21KY	SM5310C	Active	TOTAL ORGANIC CARBON	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
21KY	SM9222 D	Active	MEMBRANE FILTER TECHNIQUE FOR FECAL COLIFORM BACTERIA	KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
21KY	TAPEDOW	Active	BRIDGE TAPEDOWN	KENTUCKY DIVISION OF WATER, WATER		

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21KY

Kentucky Division of Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	N			QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by	USEPA, 1993, Methods for the Determination of	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21KY

Kentucky Division of Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.1	Active	Sulfate by Colorimetry With Chloranilate	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	507	Active	Nitrogen and Phosphorus Pesticides	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Nitrogen-phosphorus Detector	
USEPA	508	Active	Chlorinated Pesticides in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	515.2	Active	Chlorinated Acids in Water by GC	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary GC Electron Capture Detector	
USEPA	531.1	Active	N-Methylcarbamates in Water by HPLC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	High Performance Liquid Chromatograph with Fluorescence	

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21KY

Kentucky Division of Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Dete	
USEPA	547	Active	Glyphosate in Drinking Water by HPLC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	555	Active	Chlorinated Acids in Water by HPLC	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	8081A(SWB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(S)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21MICH

Michigan Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21MICH	MDEQ-EPA	Active	MDEQ Field/Lab Analytical Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Generic Field/Lab Procedure				

Field/Lab Analytical Procedures and Equipment Detail

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21MSWQ		MS. Dept. of Environmental Quality				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21MSWQ	ASTM_D65 03-99	Active	MDEQ ASTM D6503-99	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	MS10200H	Active	Standard Methods 10200 H	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description		The STORET application has a 10200 series in the APHA list, but H is not there. So the citation is probably close to accurate.				
21MSWQ	MS1030F-5	Active	Standard Methods 1030F-5	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21MSWQ	MS106.4	Active	EPA Method 106.4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		No such method found in STORET's EPA list of methods				
21MSWQ	MS1600	Active	EPA1600	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Possibly Standard Methods 9222				
21MSWQ	MS1983	Active	WETZEL 1983	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	MS200.7F	Active	MDEQ Method 200.7 for Fish Tissue	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	MS200.7SP	Active	MDEQ Method 200.7 for Special Substances	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Paint, Wipes, ... (lead program)				
21MSWQ	MS200.9F	Active	MDEQ Method 200.9 Fish Tissue	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		EPA has no 200.9F for Fish Tissue				
21MSWQ	MS200.9S	Active	MDEQ Metals by Temp Stabilized GFAA in Soil	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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21MSWQ MS. Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description EPA has no 200.9S						
21MSWQ	MS353.2(S)	Active	MDEQ Nitrate-Nitrite Nitrogen in Soil by Colorimetry	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	MS353.2A	Active	MDEQ 353.2 Nitrate	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	MS353.2AW	Active	MDEQ 353.2 Dissolved Nitrate in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	MS353.2_I	Active	MDEQ 353.2 Nitrite in Soil	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	MS445N	Active	Non-acidification (Welchmeyer)	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01		
Description Chlorophyll-a, acidification not used. Pheophytin not analyzed. Citation may be wrong volume.						
21MSWQ	MS446	Active	Spectrophotometer	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01		
Description Not done by MDEQ. Not sure of Citation.						
21MSWQ	MS8015B	Active	MDEQ DRO by GC Mass Spectrometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	MS8081A	Active	MDEQ Organochlorine Pesticides	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description PCBs are a separate test.						
21MSWQ	MS8270F	Active	MDEQ Semivolatile Organic Compounds in Fish Tissue	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	MS9221	Active	Standard Methods 9221	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public		

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21MSWQ MS. Dept. of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 20th Edition		
21MSWQ	MS9222	Active	Standard Methods 9222	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21MSWQ	MS_EPA_DI ESEL	Active	EPA Proposed Diesel Range Organics	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	MS_EPA_DI ESL(S)	Active	EPA Proposed Diesel Range Organics in Soil	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21MSWQ	UNKNWN	Active	Method Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	The Unknown Method				
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	3500-CR(B)	Active	Chromium in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	5540-C	Active	Anionic Surfactants in Water as MBAS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Colorimeter	

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21MSWQ		MS. Dept. of Environmental Quality				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	9221-D	Active	Estimation of Bacterial Density- MPN Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration	Laboratory Balance	

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21MSWQ		MS. Dept. of Environmental Quality				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water, USEPA, CLP_WQP		
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma	

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21MSWQ

MS. Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Combined with Mass Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	215.2	Active	Calcium by EDTA Titrimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.1	Active	Chloride by Colorimetric Analysis I	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	330.4	Active	Total Residual Chlorine by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	330.5	Active	Chlorine by Spectrophotometry with DPD	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.1	Active	Cyanides Amenable to	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotometer	

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21MSWQ	MS. Dept. of Environmental Quality					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Chlorination	Water and Wastes, USEPA, EPA 600/4-79-020	er	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotomet er	
USEPA	335.2_MB(W)	Active	Total Cyanide in Water by Colorimetry	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Spectrophotomet er	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	340.2_M	Active	Fluoride with an Ion Selective Electrode	USEPA, 19--, CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(B)	Active	Total Kjeldahl Nitrogen - Nesslerization	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer	
USEPA	351.4	Active	Total Kjeldahl Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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21MSWQ

MS. Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	376.2	Active	Sulfide by Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	377.1	Active	Sulfite in Water by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	8015B	Active	Non-Halogenated Organics Using GC/FID	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Flame Ionization Detector	
USEPA	8082(S)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition,	Capillary GC Electron Capture	

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21MSWQ		MS. Dept. of Environmental Quality				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Final Update III., USEPA, SW-846_III	Detector	
USEPA	8082(W)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8151(S)	Active	Chlorinated Herbicides in Soils by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8151(W)	Active	Chlorinated Herbicides in Water by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(S)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	9010A(A)	Active	Total and Amenable Cyanides by Colorimetry	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Colorimeter	
USEPA	9040A	Active	pH in Water by Electrometric Measurement	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	
USEPA	9045B	Active	Soil and Waste pH	USEPA, 1994, Test Methods for Evaluating Solid	pH meter	

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21MSWQ

MS. Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II		
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	

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21NC01WQ		NCDENR-DWQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
21NC01WQ	ACALK_FIE LD	Active	FIELD DETERMINATION OF ACIDITY/ALKALINITY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	ACALK_LA B	Active	LAB DETERMINATION OF ACIDITY/ALKALINITY FROM PRESERVED SAMPLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	ALK_PHFIE LD	Active	FIELD DETERMINATION OF PHENOLPHTHALEIN ALKALINITY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	ALK_PHNP HTH	Active	LAB DETERMINATION OF PHENOLPHTHALEIN ALKALINITY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	CHLA_FLU OR	Active	CHLOROPHYLL A FLUOROMETRIC METHOD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	CHLA_SPE C	Active	CHLOROPHYLL A SPECTROPHOTOMETRIC METHOD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	CHLA_TRIC H	Active	CHLOROPHYLL A TRICHROMATIC METHOD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	CLR_PH76	Active	TRUE COLOR DETERMINED AT PH 7.6	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	CLR_PHS A MP	Active	TRUE COLOR DETERMINED AT UNADJUSTED SAMPLE PH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	COD_HIGH	Active	COD HIGH RANGE, 0.25N K2CR2O7 AS REAGENT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	COD_LOW	Active	COD LOW RANGE 0.025N K2CR2O7 AS REAGENT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	ECOLI_MF MTEC	Active	E COLI, MF, MTEC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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21NC01WQ	NCDENR-DWQ					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
21NC01WQ	ENT_MFME	Active	ENTEROCOCCI, MF,ME	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	FEC_MF	Active	FECAL COLIFORM, MF, MFC AGAR, 44.5C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	FEC_MPNE C	Active	FECAL COLIFORM, MPN, EC MEDIUM, 44.5C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	FLOW_SPL WY	Active	SPILLWAY DISCHARGE INSTANTANEOUS FLOW	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	GO_FREON	Active	OIL AND GREASE, FREON EXTRACTION, TOTAL RECOVERABLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	GO_SEVER ITY	Active	GREASE AND OIL SEVERITY, FIELD OBSERVATION	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	GO_SOX	Active	OIL AND GREASE, SOXHLET EXTRACTION, TOTAL RECOVERABLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	MICRO	Active	MICROBIOLOGICAL ANALYTICAL METHODS	USEPA, 1978, Microbiological Methods for Monitoring the Environment: Water and Wastes., USEPA, EPA 600/8-78-017		
21NC01WQ	NO2_AS_N	Active	NITRITE NITROGEN MG/L AS N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	NO2_AS_N O2	Active	NITRITE NITROGEN MG/L AS NO2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	NO3_ASN	Active	NITRATE NITROGEN MG/L AS N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	NO3_ASNO 3	Active	NITRATE NITROGEN MG/L AS NO3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	PHEO_FLU	Active	PHEOPHYTIN A	Unknown, 19--, No Cite - Method Not Cited,		

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21NC01WQ		NCDENR-DWQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
	OR		FLUOROMETRIC METHOD	Unknown, Vol --		
21NC01WQ	PHEO_SPE C	Active	PHEOPHYTIN A SPECTROPHOTOMETRIC ACID. METHOD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	PH_FIELD	Active	PH FIELD MEASUREMENT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	PH_LAB	Active	PH LAB ANALYSIS FROM SAMPLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	REF_POINT	Active	REFERENCE POINT READING; HEIGHT OF RP FROM WATER SURFACE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	RES_105	Active	RESIDUE DRIED AT 105C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	RES_180	Active	RESIDUE DRIED AT 180C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	SED_DRY	Active	ANALYTE AS DRY WEIGHT, UNKNOWN EPA- APPROVED METHOD FOR SEDIMENT ANALYSIS	NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All		
21NC01WQ	SED_WET	Active	ANALYTE AS WET WEIGHT, UNKNOWN EPA- APPROVED METHOD FOR SEDIMENT ANALYSIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	SETT_RAT E	Active	SETTLEABLE MATTER M/L/HR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	STRP_MFE NT	Active	FECAL STREPTOCOCCI,MF,M- ENTEROCOCCUS MEDIUM, 35C 48HR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	STRP_MFK	Active	FECAL STREPTOCOCCI,	Unknown, 19--, No Cite - Method Not Cited,		

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21NC01WQ		NCDENR-DWQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
	F		MF,KF MEDIUM, 35C 48HR	Unknown, Vol --		
21NC01WQ	TOTAL_IM M	Active	TOTAL COLIFORM, MF,IMMEDIATE,M-ENDO AGAR, 35C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	TOTAL_IM M_LES	Active	TOTAL COLIFORM, MF, LES ENDO AGAR, 35C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	TOTAL_MP NCONFRM	Active	TOTAL COLIFORM, MPN, CONFIRMED TEST 35C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	UNKNOWN	Active	UNKNOWN EPA- APPROVED METHOD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	WQS SOP	Active	WATER QUALITY SECTION SOP	NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er	
APHA	3500-CR(B)	Active	Chromium in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection- related equipment(eg color charts)	
APHA	5220-B	Active	Chemical Oxygen Demand by Titration- Open Reflux Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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21NC01WQ		NCDENR-DWQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	110.1	Active	Color by Calculating ADMI Values	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	

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21NC01WQ		NCDENR-DWQ				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er	
USEPA	218.4	Active	Hexavalent Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet er	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er	

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21NC01WQ		NCDENR-DWQ				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(A)	Active	Ammonia Nitrogen Using an	USEPA, 1983, Methods for Chemical Analysis of	Ion Selective	

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21NC01WQ		NCDENR-DWQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			ISE	Water and Wastes, USEPA, EPA 600/4-79-020	Electrode	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	350.2(C)	Active	Ammonia Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	376.2	Active	Sulfide by Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

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21NC01WQ		NCDENR-DWQ				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	425.1	Active	Methylene Blue Active Substances	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	

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21NC02WQ		NCDENR-DWQ (2nd)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NC02WQ	ACALK_FIE LD	Active	Alkalinity Field	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Field Determination of Alkalinity				
21NC02WQ	COLOR_PH 7.6	Active	True Color at pH of 7.6	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		USEPA/110.1
	Description	True Analyzed at a pH of 7.6				
21NC02WQ	COLOR_SA MPLE PH	Active	True Color at Sample pH, ADMI	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		USEPA/110.1
	Description	True Color Analyzed at pH of Sample; Sample pH may be reported in Remarks field				
21NC02WQ	FORMALDE HYDE	Active	Formaldehyde	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Formaldehyde- Lab Procedure- APHA, 1972 method 111				
21NC02WQ	HARDNESS _CAL	Active	Hardness by Calculation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/2340
	Description	Hardness calculated by separate determinations of calcium and magnesium: $2.497 \times (\text{Ca; mg/l}) + 4.18 \times (\text{Mg; mg/l}) = \text{hardness as CaCO}_3 \text{ (mg/l)}$; Equivalent to APHA 2340 B (18th ed)				
21NC02WQ	OIL_GREA SE	Active	Oil and Grease	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Oil and Grease- EPA 1664A- Central Lab Under Development				
21NC02WQ	WQS SOP	Active	Water Quality Section SOP	WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All		
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-C	Active	Total Dissolved Solids in	American Public Health Association, 1992,	Laboratory	

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21NC02WQ

NCDENR-DWQ (2nd)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5220-B	Active	Chemical Oxygen Demand by Titration- Open Reflux Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
HACH	8000	Active	Chemical Oxygen Demand	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
USEPA	110.1	Active	Color by Calculating ADMI Values	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of	Conductivity	

Field/Lab Analytical Procedures and Equipment Detail

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21NC02WQ		NCDENR-DWQ (2nd)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet	

Field/Lab Analytical Procedures and Equipment Detail

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21NC02WQ		NCDENR-DWQ (2nd)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	305.1	Active	Acidity by Titration with a pH	USEPA, 1983, Methods for Chemical Analysis of	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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21NC02WQ		NCDENR-DWQ (2nd)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Meter	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(A)	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	350.2(C)	Active	Ammonia Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21NC02WQ		NCDENR-DWQ (2nd)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	425.1	Active	Methylene Blue Active Substances	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	

Field/Lab Analytical Procedures and Equipment Detail

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21NDHDWQ

North Dakota Department of Health

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NDHDWQ	100	Active	100 Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Counted up to 100 organisms in the sample.						
21NDHDWQ	1030	Active	Data Quality	STANDARD - American Public Health Association, 1995, Standard Methods For The Examination of Water and Wastewater, American Public Health Association, 19th Edition		
21NDHDWQ	1030-F	Active	Checking Correctness of Analyses	STANDARD - American Public Health Association, 1995, Standard Methods For The Examination of Water and Wastewater, American Public Health Association, 19th Edition		
21NDHDWQ	200	Active	200 Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Counted 200 organisms in the sample.						
21NDHDWQ	300	Active	300 Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Counted 300 organisms in the sample.						
21NDHDWQ	999	Active	Entire Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Counted the number of organisms in the entire sample.						
21NDHDWQ	AMPULE	Active	Test for Chemical Oxygen Demand	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		USEPA/410.4
21NDHDWQ	I-1-37	Active	SOP Using Microwave Digestion	SOPHGFISH - North Dakota Department of Health Chemistry Division, 2003, Standard operating procedures for mercury detection in fish tissue., NDDH, 1		
21NDHDWQ	STANDARD METHOD	Active	Standard Methods	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		

Field/Lab Analytical Procedures and Equipment Detail

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21NDHDWQ North Dakota Department of Health						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NDHDWQ	UNKOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NDHDWQ	YSIMETER	Active	YSI Environmental Operations Meter	YSIMETER - YSI, 2003, 2003 YSI Environmental Operations Manual, YSI, 200		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	10200-J	Active	Metabolic Rate Measurements	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	10300-C	Active	Periphyton Sample Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	3500-CR(E)	Active	Chromium in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4110-B	Active	Anions in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-CL-(E)	Active	Chloride in Water by Colorimetry- Automated Ferricyanide Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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21NDHDWQ

North Dakota Department of Health

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-NH3(C)	Active	Ammonia in Water by Titrimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-SO4(B)	Active	Sulfate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	6610-B	Active	Carbamate Pesticides in Water by HPLC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	High Performance Liquid Chromatograph with Fluorescence Dete	
APHA	9221-C	Active	Estimation of Coliform	American Public Health Association, 1992,	Colorimeter	

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21NDHDWQ

North Dakota Department of Health

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Group Density, Multi-tube Fermentation Technique	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9240-B	Active	Enumeration-Enrichment & Isolation of Iron and Sulfur Bacteria	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
USEPA	00-04	Active	Plutonium, Thorium & Uranium in Air Filters	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Spectrophotometer	
USEPA	107	Active	Vinyl Chloride - Wastewater	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	GC with Flame Ionization Detector	
USEPA	1103.1	Active	Escherichia coli in Water by Membrane Filtration Using membrane-Thermotolerant E. coli Agar (mTEC)	USEPA, 2002, Method 1103.1: Escherichia coli (E. coli) in Water by Membrane Filtration Using membrane-Thermotolerant Escherichia coli Agar (mTEC) (September 2002), USEPA, EPA 821-R-02-020		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	

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21NDHDWQ

North Dakota Department of Health

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotomet er	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotomet er	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	

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21NDHDWQ

North Dakota Department of Health

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	305.2	Active	Acidity by Titration Using a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	504.1	Active	EDB, DBCP and 123TCP in Water by GC	USEPA, 19--., Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	Capillary GC Electron Capture Detector	
USEPA	508	Active	Chlorinated Pesticides in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotomet	

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21NDHDWQ

North Dakota Department of Health

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	525.2	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	531.1	Active	N-Methylcarbamates in Water by HPLC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	552	Active	Haloacetic Acids in Water by GC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	Capillary GC Electron Capture Detector	

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21NEB001 Nebraska Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NEB001	DISCHARGE	Active	Discharge, CFS	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Flow Rate Measurement Device	
21NEB001	E. COLI	Active	E. Coli	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
21NEB001	ENTEROCOCCI	Active	ENTEROCOCCI METHODS	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
21NEB001	EPA1990MACROFLD	Active	Macroinvertebrate Field & Laboratory Methods	USEPA, 1990, Macroinvertebrate field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters., USEPA, EPA 600/4-90-030		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NO3(B)	Active	Nitrate in Water by Ultraviolet Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ultraviolet Spectrophotometer	
APHA	4500-NO3(D)	Active	Nitrate in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by	American Public Health Association, 1992,	Colorimeter	

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21NEB001

Nebraska Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry- Ascorbic Acid Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
ASTM	F488	Active	Bacterial Count in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Optical Microscope	
USEPA	1106_1	Active	Enterococci in Water by Membrane Filter	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	150.2	Active	pH by Continuous Monitoring	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	1618	Active	Pesticides and Herbicides	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary GC with Flame Photometric Detector	
USEPA	1653	Active	Chlorinated Phenolics by GC/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary Gas Chromatograph with Mass	

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21NEB001

Nebraska Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	212.3	Active	Boron by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	219.1	Active	Cobalt by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption	

Field/Lab Analytical Procedures and Equipment Detail

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Nebraska Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.2	Active	Iron by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	279.1	Active	Thallium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	286.1	Active	Vanadium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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Nebraska Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	
USEPA	365_M	Active	Phosphorus in Water by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Photometer	
USEPA	375.2	Active	Sulfate in Water by	USEPA, 1993, Methods for the Determination of	Colorimeter	

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Nebraska Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	410_M(B)	Active	Chemical Oxygen Demand by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Titration Apparatus	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	525.2	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	7190	Active	Chromium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	8060(ECD)	Active	Phthalate Esters by Gas Chromatography	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	GC with Electrolytic Conductivity Detector	

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Nebraska Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	PMD-AM-S	Active	AMS by Sodium Nitrate Titration	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DCA(GC1)	Active	2,4-D and 2,4,5-T Esters by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

Field/Lab Analytical Procedures and Equipment Detail

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21NEV-1

Nevada Dept. of Conservation and Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NEV-1	FLOW	Active	Stream flow determination	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Acoustic Flow Measuring System	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2120-C	Active	Color in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2160-C	Active	Taste in Water by Flavor Rating	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Tongue	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992,	Graphite Furnace	

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Nevada Dept. of Conservation and Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Atomic Absorption Spectrophotometer	
APHA	4500-CL-(F)	Active	Chloride in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-CN(E)	Active	Cyanide in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(F)	Active	Ammonia in Water Using Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO2(C)	Active	Nitrite in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	

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Nevada Dept. of Conservation and Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5220-C	Active	Chemical Oxygen Demand by Titration- Closed Reflux Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
ASTM	D2972(A)	Active	Arsenic in Water Using Spectrophotometry	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Spectrophotometer	
ASTM	D2972(B)	Active	Arsenic in Water Using HYDAA	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Hydride Atomic Absorption Spectrophotometer	

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Nevada Dept. of Conservation and Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D2972(C)	Active	Arsenic in Water by GFAA	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Graphite Furnace Atomic Absorption Spectrophotometer	
HACH	8001(1)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	1106.1	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus-Esculin Iron Agar (mE-EIA)	USEPA, 2002, Method 1106.1: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus-Esculin Iron Agar (mE-EIA) (September 2002), USEPA, EPA 821-R-02-021		
USEPA	1106_1	Active	Enterococci in Water by Membrane Filter	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	150.2	Active	pH by Continuous Monitoring	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration	Laboratory Balance	

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Nevada Dept. of Conservation and Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water, USEPA, CLP_WQP		
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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Nevada Dept. of Conservation and Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.2_M	Active	Mercury in Water by Automated CVAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	279.1	Active	Thallium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300_M	Active	Determination of Anions by	USEPA, 1993, EPA Contract Laboratory Program	Ion	

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Nevada Dept. of Conservation and Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			IC	Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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21NJDEP1

NJ Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NJDEP1	1103.1	Active	Escherichia coli - Membrane Filtration	USEPA, OST, 2000, Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and Escherichia coli, USEPA, p. 24		
21NJDEP1	1600	Active	Enterococcus - Membrane Filter	USEPA, OST, 2000, Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and Escherichia coli, USEPA, p. 24		
21NJDEP1	2060	Active	(USGS) Pesticides in Filtered Water	Furlong, E.T., Anderson, B.D., Werner, S.L., Soliven, P.P., Coffey, L.J., and Burkhardt, M.R., in press, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory Determination of pesticides in water by graphitized carbon-based solid-phase extraction and high-performance liquid chromatography/mass spectrometry, U.S. Geological Survey, unknown		
Description Pesticides in filtered water extracted on C-18 Solid Phase Extraction (SPE) cartridge and analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)						
21NJDEP1	2340-B	Active	Hardness by Calculation	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Hardness is computed from the results of separate determination of calcium and magnesium						
21NJDEP1	300.0	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Determination of Inorganic Anions by Ion Chromatography, Method 300.0, Revision 2, USEPA, unknown		
21NJDEP1	350.4	Active	Ammonia in seawater	Sandra Groppenbacher, 1997, Leeds Point Chemistry Laboratory Standard Operating Procedures 1997, NJDEP, pp. 1-91		USEPA/350.2(B)
21NJDEP1	353.2	Active	Nitrate (as N) Automated Diazotization w/o Cd Reduction Column	NJDHSS, 1998, NJDHSS Standard Operating Procedures Manual, New Jersey Department of Health and Senior Services, pgs. 100		USEPA/353.2
21NJDEP1	365.5	Active	Leeds Phosphorus	USEPA, 1983, Methods for Chemical Analysis of		

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21NJDEP1

NJ Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020		
21NJDEP1	365.8	Active	Hydrolyzable Phosphorus	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
21NJDEP1	376.2	Active	Sulfide in Water by Spectrophotometry	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020		APHA/4500-S2(D)
21NJDEP1	4500-N	Active	Persulfate Method (proposed)	American Public Health Association, 199X, Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 19th Edition		
21NJDEP1	6010B	Active	Inductively Coupled Plasma-Atomic Emission Spectrometry	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II		USEPA/6010B
21NJDEP1	7471	Active	Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II		USEPA/7471A
21NJDEP1	9221-B-2 (3T)	Active	Standard Total Coliform Fermentation Technique (3 Tube Test)	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/9221-B
21NJDEP1	9221-B-2 (5T)	Active	Standard Total Coliform Fermentation Technique 5 Tube Test	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21NJDEP1	9221-E-1 (12T)	Active	Fecal Coliform Direct Test (A-1 Medium) 12 Tube Test	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/9221-E
21NJDEP1	9221-E-1 (3T)	Active	Fecal Coliform Direct Test (A-1 Medium) 3 Tube Test	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/9221-E

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NJDEP1	9221-E-1(5T)	Active	Fecal Coliform Direct Test (A-1 Medium) 5 Tube Test	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21NJDEP1	9221-E-2 (3T)	Active	Fecal Coliform Test (EC Medium) 3 Tube Test	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/9221-E
21NJDEP1	9230-B	Active	Fecal Streptococcus and Enterococcus - Multiple-Tube Technique	American Public Health Association, 199X, Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 19th Edition		
21NJDEP1	9230-C	Active	Fecal Streptococcus and Enterococcus - Membrane Filter Technique	American Public Health Association, 199X, Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 19th Edition		
21NJDEP1	AIRTEMP	Active	Procedure for Air Temperature Measurements	USDOI, Geological Survey, 1998, National Field Manual for the Collection of Water-Quality Data, Geological Survey, Book 9, Chapter A6	Thermometer	
21NJDEP1	BARPRES	Active	Procedure for Measuring Air Preassure	USDOI, Geological Survey, 1998, National Field Manual for the Collection of Water-Quality Data, Geological Survey, Book 9, Chapter A6	Generic method-specific equipment	
	Description	Altimeter				
21NJDEP1	COD	Active	Chemical Oxygen Demand (COD) Vial Digestion / Spectrophotometric	OIC, 19--., OIC Chemical Oxygen Demand Method (Screw Capped Vials), Oceanography International Corp, unknown		
21NJDEP1	DO	Active	Field Measurement - Dissolved Oxygen	USDOI, Geological Survey, 1998, National Field Manual for the Collection of Water-Quality Data, Geological Survey, Book 9, Chapter A6	YSI Multi Probe Handheld Instrument	USEPA/360.1
21NJDEP1	F+RNA COLIPHAG E	Active	Membrane Filter Adsorption-Elution Method with Elute Assay by the Double Agar	PHAGE ECOL - Goyal, S.M., C.P. Gerba and G. Brittin (Eds), 1987, Methods in Phage Ecology In: Phage Ecology, John Wiley and Sons, pp. 267-		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Layer (DAL) Method using F-amp Host Cell	287		
	Description Coliphages are viruses infecting E. coli bacteria. There are two main groups of coliphage: somatic and male specific. Somatic coliphage infect host bacteria by attaching directly to the outer cell wall. The male-specific or F+ coliphages infect only male strains of bacteria by attaching to the hair-like appendages for the cell wall, called pili, that are characteristic of the male trate. There are four subgroups of F+RNA coliphage: Groups I, II, III and IV. These groups can be distinguished by genetic differences using gene probes (hybridization with oligonucleotide probes). A number of studies have reported that F+RNA coliphage of : Group I are present in both human and animal fecal contamination and sewage; Group II and III are predominantly or exclusively associated with human fecal contamination and domestic or municipal sewage; Group IV are predominately associated with animal fecal contamination or animal sewage. Hence, it is possible to broadly distinguish from human and non-human fecal contamination based on the presence and prevalence of the different groups of F+RNA coliphages.					
21NJDEP1	FFLOW	Active	Facility Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NJDEP1	FLOW	Active	(USGS) FLOW	Techniques of Water Resources Investigation FLOW, 19XX, TWRI, USGS, UNKNOWN		
21NJDEP1	HOBO	Active	HOBO Underwater Temperature Logger (H20-001)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
21NJDEP1	HYDROLAB -QUANTA	Active	Hach Hydrolab Quanta	QUANTA - Hydrolab Corporation, 2002, Hydrolab Quanta Water Quality Monitoring System Operating Manual, Hydrolab Corporation, Revision C Document/Graphic	Hydrolab Multi Probe Handheld Instrument	
21NJDEP1	I-1233	Active	(USGS) Determination of chromium in water by GFAAS	McLain, Betty, 1993, Determination of chromium in water by GFAAS (Open File Report 93-449), U. S. Geological Survey, 16p.		
21NJDEP1	I-1472	Active	(USGS) Metals in Water by ICP	Fishman, M.J., 1993, Methods for determination of inorganic and organic constituents in water and fluvial sediments (Open File Report 93-125), U. S. Geological Survey, 217p.		
21NJDEP1	I-2030-89	Active	(USGS) Alkalinity in water	Fishman, M.J. and Friedman, L.C., eds., 1989, Methods for determination of inorganic substances in water & fluvial sediments (TWRI 5-A1), U.S. Geological Survey, Book 5, Chapter A1		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NJDEP1	I-2138	Active	(USGS) Cadmium by GFAAS	Fishman, M.J., 1993, Methods for determination of inorganic and organic constituents in water and fluvial sediments (Open File Report 93-125), U. S. Geological Survey, 217p.		
21NJDEP1	I-2274	Active	(USGS) Copper by GFAAS	Fishman, M.J., 1993, Methods for determination of inorganic and organic constituents in water and fluvial sediments (Open File Report 93-125), U. S. Geological Survey, 217p.		
21NJDEP1	I-2339	Active	(USGS) Chromium in water by GFAAS	McLain, Betty, 1993, Determination of chromium in water by GFAAS (Open File Report 93-449), U. S. Geological Survey, 16p.		
21NJDEP1	I-2403	Active	(USGS) Lead in water by GFAA	Fishman, M.J., 1993, Methods for determination of inorganic and organic constituents in water and fluvial sediments (Open File Report 93-125), U. S. Geological Survey, 217p.		
21NJDEP1	I-2477	Active	(USGS) Determination of Metals in Water by Inductively Coupled Plasma-Mass Spectrometry	Faires, L.M., 1992, (USGS) Determination of Metals in Water by Inductively Coupled Plasma-Mass Spectrometry, U.S. Geological Survey, 28 p.		
21NJDEP1	I-2515	Active	(USGS) Ammonium + Organic Nitrogen by a Kjeldahl Digestion Gel diffusion cleanup automated phenate finish	Patton, C.J., and Truitt, E.P., 2000, Determination of ammonium + organic nitrogen by Kjeldahl digestion automated photometric digest cleanup by gas diffusion, U.S. Geological Survey, 31		
21NJDEP1	I-2587-89	Active	(USGS) pH	Fishman, M.J. and Friedman, L.C., eds., 1989, Methods for determination of inorganic substances in water & fluvial sediments (TWRI 5-A1), U.S. Geological Survey, Book 5, Chapter A1	pH meter	
Description		Measurement of pH in the Laboratory				
21NJDEP1	I-2668	Active	(USGS) Arsenic and Selenium by GFAAS	Jones, S. R. and Garbarino, J.R., 1998, Determination of arsenic and selenium in water and sediment by GFAAS (Open File Report 98-639), U. S. Geological Survey, Unknown		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NJDEP1	I-2724	Active	(USGS) Silver	Fishman, M.J., 1993, Methods for determination of inorganic and organic constituents in water and fluvial sediments (Open File Report 93-125), U. S. Geological Survey, 217p.		
21NJDEP1	I-3233	Active	(USGS) Chromium by GFAAS	McLain, Betty, 1993, Determination of chromium in water by GFAAS (Open File Report 93-449), U. S. Geological Survey, 16p.		
21NJDEP1	I-3860-89	Active	(USGS) Turbidity	Fishman, M.J. and Friedman, L.C., eds., 1989, Methods for determination of inorganic substances in water & fluvial sediments (TWRI 5-A1), U.S. Geological Survey, Book 5, Chapter A1		
21NJDEP1	I-4063	Active	(USGS) Arsenic and Selenium in Water by GFAAS	Jones, S. R. and Garbarino, J.R., 1998, Determination of arsenic and selenium in water and sediment by GFAAS (Open File Report 98-639), U. S. Geological Survey, Unknown		
21NJDEP1	I-4403	Active	(USGS) Lead in Water	Fishman, M.J., 1993, Methods for determination of inorganic and organic constituents in water and fluvial sediments (Open File Report 93-125), U. S. Geological Survey, 217p.		
21NJDEP1	I-4471	Active	(USGS) Elements in Water Using ICP and ICP/MS	Garbarino, J.R., and Struzeski, T.M., 1998, Determination of elements in whole-water digests using ICP/OES and ICP-MS (Open File Report 98-165), U. S. Geological Survey, Unknown		
21NJDEP1	I-4515	Active	(USGS) TKN by Automated Photometric Digestion with Gas Diffusion cleanup	Patton, C.J., and Truitt, E.P., 2000, Determination of ammonium + organic nitrogen by Kjeldahl digestion automated photometric digest cleanup by gas diffusion, U.S. Geological Survey, 31		
21NJDEP1	I-4668	Active	(USGS) Arsenic and Selenium in Water by GFAAS	Jones, S. R. and Garbarino, J.R., 1998, Determination of arsenic and selenium in water and sediment by GFAAS (Open File Report 98-639), U. S. Geological Survey, Unknown		
21NJDEP1	I-4724	Active	(USGS) Silver in Water	Fishman, M.J., 1993, Methods for determination of inorganic and organic constituents in water and		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				fluvial sediments (Open File Report 93-125), U. S. Geological Survey, 217p.		
21NJDEP1	I-4729	Active	(USGS) Metals in Water by ICP	Fishman, M.J., 1993, Methods for determination of inorganic and organic constituents in water and fluvial sediments (Open File Report 93-125), U. S. Geological Survey, 217p.		
21NJDEP1	I-6063	Active	(USGS) Arsenic and Selenium by GFAAS	Jones, S. R. and Garbarino, J.R., 1998, Determination of arsenic and selenium in water and sediment by GFAAS (Open File Report 98-639), U. S. Geological Survey, Unknown	Graphite Furnace Atomic Absorption Spectrophotometer	
21NJDEP1	I-6600	Active	(USGS) Phosphours in Bottom Material	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1		
21NJDEP1	I-6668	Active	(USGS) Selenium by GFAAS	Jones, S. R. and Garbarino, J.R., 1998, Determination of arsenic and selenium in water and sediment by GFAAS (Open File Report 98-639), U. S. Geological Survey, Unknown		
21NJDEP1	MAR	Active	Multiple Antibiotic Resistance (MAR)	MAR - Scott, Geoffrey, UNKNOWN, MAR Standard Operating Procedure, NOAA Center for Coastal Environmental Health and Biomolecular Reesarch, UNKNOWN		
	Description	MAR is a relatively new method for differentiating between humand and non-human fecal contamination. The approach is based on the fact that bacteria from wildlife species are generally lacking in antibiotic resistance, while strains for human and domestic animals exhibit varying MAR profiles. For this procedure, E. coli isolates from water samples are exposed to a 96 well panel consisting of 26 antibiotics in varying concentrations. These antibiotics are ones commonly administered to humans and domestic animals. For each water sample, up to 10 E. coli isolates are analyzed for the MAR profile.				
21NJDEP1	NWIS	Active	unable to determine from USGS NWIS Web data	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NJDEP1	O-1100-83	Active	(USGS) TOC Dissolved	Brenton, R.W., and Arnett, T.L., 1993, Determination of dissoved organic carbon by uv-promoted persulfate oxidation and infrared spectrometry:, U.S Geological Survey, 12		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NJDEP1	O-1126	Active	(USGS) Pesticides in Water by C-18 Solid Phase Extraction	Zaugg, S.D., Sandstrom, M.W., Smith, S.G., and Fehlberg, K.M., 1995, (USGS) Pesticides in Water by C-18 solid-phase Extraction & Capillary-Column GC/MS with Select Ion Monitoring, U.S. Geological Survey, 60p.		
21NJDEP1	O-1126-02	Active	(USGS) Pesticides, Water, Filtered, SPE-C18, Lab Extracted	Madsen, J.E., Sandstrom, M.W., and Zaugg, S.D., 2003, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory---A method supplement for the determination of fipronil and degradates in water by gas chromatography/mass spectrometry , USDOI/USGS, 11p	Capillary GC with High Resolution Mass Spectrophotometer	
Description Determination of fipronil and degradates in water by gas chromatography/mass spectrometry						
21NJDEP1	O-2060-01	Active	(USGS) Determination of pesticides in water by graphitized carbon-based solid-phase extraction and HPLC/MS	Furlong, E.T., Anderson, B.D., Werner, S.L., Soliven, P.P., Coffey, L.J., and Burkhardt, M.R., in press, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory Determination of pesticides in water by graphitized carbon-based solid-phase extraction and high-performance liquid chromatography/mass spectrometry, U.S. Geological Survey, unknown	High Performance Liquid Chromatograph	
Description Determination of pesticides in water by graphitized carbon-based solid-phase extraction and high-performance liquid chromatography/mass spectrometry						
21NJDEP1	O-4127-96	Active	(USGS) VOC in Water by GC/MS Including DLs < RLs	Connor, B.F., Rose, D.L., Noriega, M.C., Murtagh, L.K., and Abney, S.R., 1997, (USGS) Determination of 86 Volatile Organic Compounds in Water by GC/MS Including Detections Less Than Reporting Limits, U.S. Geological Survey, 78 p.		
21NJDEP1	O-5101-83	Active	(USGS) Carbon, Inorganic Plus Organic, Total in Bottom Material, dry weight, induction furnace	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3		
21NJDEP1	O-5102-83	Active	(USGS) Total Inorganic Carbon in Sediment	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3		
21NJDEP1	O-5130-95	Active	(USGS) Semivolatile Organic Compounds in Bottom Sediment	US-DOI, US Geological Survey, 1995, Open File Report 95-719, Determination of Semivolatile Organic Compounds in Bottom Sediment, U.S. Geological Survey, Unknown		
21NJDEP1	O-7100-83	Active	(USGS) TOC Particulate	USDOI, USGS, 1987, Methods for the Determination of Organic Substances in Water and Fluvial Sediments. Book 5, Chapter A3., USDOI, USGS, Book 5, Chapter A3		
21NJDEP1	P-2330	Active	(USGS) Procedure for Sive-pipet Method of Particle Size Analysis	Guy, H.P., 1969, Laboratory theory and methods for sediment analysis (TWRI 5-C1), U. S. Geological Survey, Book 5, Chapter C1		
21NJDEP1	PCB	Active	(USGS) PCB in Bottom Material	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NJDEP1	PH	Active	Field Measurement - pH	USDOI, Geological Survey, 1998, National Field Manual for the Collection of Water-Quality Data, Geological Survey, Book 9, Chapter A6	pH meter	USDOI/USGS/I1586
21NJDEP1	PH-SED	Active	(USGS) Field Measurement of pH of Sediment	USDOI, Geological Survey, 1998, National Field Manual for the Collection of Water-Quality Data, Geological Survey, Book 9, Chapter A6	pH meter	
21NJDEP1	R-0006	Active	(USGS) Radioactivity, Alpha	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NJDEP1	R-1120	Active	(USGS) Radioactivity, Beta	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NJDEP1	SC	Active	Field Measurement - Specific Conductance	USDOI, Geological Survey, 1998, National Field Manual for the Collection of Water-Quality Data, Geological Survey, Book 9, Chapter A6	Conductivity Meter	USDOI/USGS/I1780
21NJDEP1	SONDE	Active	Multi-probe Data Sonde	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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21NJDEP1	SONDE-HYDRO	Active	Multi-probe Data Sonde (Hydrolab)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Hydrolab Remote (unattended) Multi Probe Instrument	
21NJDEP1	SONDE-YSI	Active	Multi-probe Data Sonde (YSI)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	YSI Remote (unattended) Multi Probe Instrument	
21NJDEP1	T	Active	Field Measurement - Temperature	USDOI, Geological Survey, 1998, National Field Manual for the Collection of Water-Quality Data, Geological Survey, Book 9, Chapter A6	YSI Multi Probe Handheld Instrument	USEPA/170.1
21NJDEP1	TURB	Active	Field Measurement - Turbidity	NJDEP, 2002, Standard Operating Procedure for Field Turbidity Measurements, NJDEP, UNKNOWN	Spectrophotometer	APHA/2130
21NJDEP1	TWRI	Active	Techniques of Water-Resources Investigations Reports	TWRI - Various, various, Techniques of Water-Resources Investigations Reports, USGS, varies		
21NJDEP1	UNKNOWN	Active	Unknown Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NJDEP1	USEPA REGION II	Active	Method for BOD20 and CBOD20	USEPA, Region II, 1980, Determination of 20-Day Carbonaceous Biochemical Oxygen Demand (CBOD20), USEPA, Revised 4/80		
21NJDEP1	USGS 524.2	Active	(USGS) VO IN GROUNDWATER	Connor, 1997, Analyses of volatile organic compounds in surfacewater and ground-water samples, USGS, PG		
21NJDEP1	WDML SOP001	Active	Determination of Total Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry	Olson, Mark L. and De Wild, John F., 1997, Determination of Total Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry, U.S. Geological Survey, Wisconsin Water Science Center Wisconsin District, REV 1	Cold Vapor Atomic Fluorescence Spectrophotometer	USEPA/1631

Description Bromine Monochloride (BrCl) is added to the sample container to oxidize all forms of Hg to HgII oxidation state. After a minimum of 12 hours the BrCl is

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			neutralized by addition of Hydroxylamine Hydrochloride (NH ₂ OH·HCl). Following neutralization, Stannous Chloride (SnCl ₂) is added to the sample to reduce the Hg from the HgII to the Hg0 oxidation state. The Hg0 is purged onto gold-coated glass bead traps (sample). The mercury vapor is thermally desorbed to a second gold trap (analytical) and from that detected by cold vapor atomic fluorescence spectrometry (CVAFS). Samples high in organic matter may require initial pretreatment in an ultra violet (UV) digester to remove the organic color from the			
21NJDEP1	YSI5.13	Active	In vivo Fluorometric Chlorophyll Determination	YSICHL - NJDEP, 2004, YSI Environmental Operations Manual, NJDEP, 5-17		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2310	Active	Acidity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Laboratory Balance	

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				Health Association, 18th Edition		
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-F	Active	Settleable Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(E)	Active	Cyanide in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-I-(B)	Active	Iodide in Water by Spectrophotometry- Leuco Crystal Violet Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	

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APHA	4500-O-C	Active	Total Dissolved Oxygen by Titration- Azide Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-S2(E)	Active	Sulfide in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-SI(D)	Active	Silica in Water by Spectrophotometry- Molybdosilicate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-SO4(E)	Active	Sulfate by Turbidimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Turbidimeter	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	5320-B	Active	Dissolved Organic Halogen in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Halogen Analyzer	
APHA	5540-C	Active	Anionic Surfactants in Water as MBAS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	

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APHA	5910-B	Active	UV - Absorbing Organic Compounds	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	9215-B	Active	Heterotrophic Plate Count-Pour Plate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USDOI/USGS	I1230	Active	Hexavalent Chromium by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I1472	Active	Metals in Water by ICP	USDOI, USGS, 19--, Methods for Determination	Inductively	

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				of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Coupled Plasma Combined with Mass Spectrophotometer	
USDOl/USGS	I1630(W)	Active	Potassium in Water by FLAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOl/USGS	I2057	Active	Anions in Water by Ion Chromatography	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Ion Chromatograph	
USDOl/USGS	I2062	Active	Arsenic in Water by HYDAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Hydride Atomic Absorption Spectrophotometer	
USDOl/USGS	I2327	Active	Fluoride in Water Using an ISE	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Ion Selective Electrode	
USDOl/USGS	I2462	Active	Mercury in Water by CVAA	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Cold Vapor Atomic Absorption Spectrophotometer	
USDOl/USGS	I2521	Active	Ammonia Nitrogen in Water by Colorimetry	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	Colorimeter	
USDOl/USGS	I2522	Active	Ammonia Nitrogen in Water by Colorimetry	USDOl, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOl, USGS, Book 5, Chapter A1	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USDOI/USGS	I2540	Active	Nitrite-Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2545(S)	Active	Nitrite- Plus Nitrate-Nitrogen in Solids	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2545(W)	Active	Nitrite- Plus Nitrate-Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2601	Active	Orthophosphate-Phosphorus by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2700	Active	Silica in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I3381	Active	Iron in Water by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I3462	Active	Mercury in Water by CVAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Cold Vapor Atomic Absorption Spectrophotometer	
USDOI/USGS	I3561	Active	Chemical Oxygen Demand by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USDOI/USGS	I3860	Active	Nephelometric Turbidity in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Nephelometer	
USDOI/USGS	I5135	Active	Cadmium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5236	Active	Chromium in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5270	Active	Copper in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5381	Active	Iron in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5399	Active	Lead in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5454	Active	Manganese in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I5462	Active	Mercury in Bottom Material by CVAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Cold Vapor Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USDOI/USGS	I5499	Active	Nickel in Bottom Material by FLAA	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Flame Atomic Absorption Spectrophotometer	
USDOI/USGS	I6522	Active	Ammonia Nitrogen by Colorimetry in Solid	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I6552	Active	Ammonia Plus Organic Nitrogen in Solids	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	R1110	Active	Cesium-137 and 134, Dissolved	USDOI, USGS, 19--, Methods for the Determination of Radioactive Substances in Water and Fluvial Sediments., USGS, USGS_METHODS_A5	Gamma Spectrophotometer	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	206.5	Active	Arsenic Digestion for HYDAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	
USEPA	418.1	Active	Total Recoverable Petroleum Hydrocarbons	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	440(W)	Active	Determination of Carbon and Nitrogen	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Elemental Analyzer	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under	GC with Low Resolution Mass	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				the Clean Water Act, USEPA, 40CFR136	Spectrophotometer	
USEPA	625	Active	Base/Neutral and Acid Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
21NJDEP1	2340B	Susp	Hardness by ICP	American Public Health Association, 199X, Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 19th Edition	Inductively Coupled Plasma Spectrophotometer	USEPA/130.2

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21NMEX		NM Environmental Dept./SWQB				
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21NMEX	CALC-001	Active	Simple Calculations	NONE - N/A, N/A, None, N/A, N/A		
	Description	Simple Calculations such as addition of or difference between one or more previously measured results.				
21NMEX	LIT-PHARM	Active	Pharmaceuticals	LIT-PHAR-001 - Barber, L.B., Brown, G.K., and Zaugg, S.D (modified by), 2000, Potential endocrine disrupting organic chemicals in treated municipal wastewater and river water: In Analysis of Environmental Endocrine Disruptors; Keith, L.H., Jones-Lepp, T.L., and Needham, L.L., eds., American Chemical Society, V.747, p. 97-123		
	Description	Modified Barber, L.B., Brown, G.K., and Zaugg, S.D., (2000), Potential endocrine disrupting organic chemicals in treated municipal wastewater and river water: In Analysis of Environmental Endocrine Disruptors; Keith, L.H., Jones-Lepp, T.L., and Needham, L.L., eds.; ACS Symposium Series 747; American Chemical Society: Washington D.C., p. 97-123.				
21NMEX	LIT-PHARM-02	Active	LC/MS/CM for oxytetracycline, tetracycline, and chlortetracycline in water.	LIT-PHAR-002 - Zhu, J.,D.D. Snow, D.A. Cassada, S.J. Monson and R.F. Spalding, 2001, Analysis of oxytetracycline, tetracycline, and chlortetracycline in water using solid-phase extraction and liquid chromatography-tandem mass spectrometry., Journal of Chromatography, Vol A, 928; p177-186		
21NMEX	LIT-RAD	Active	Method for Radionuclides	LIT-RAD-001 - Lieberman, R. and A.A. Moghissi, 1968, Lieberman, R. and A.A. Moghissi (1968), Coprecipitation Technique for Alpha Spectroscopic Determination of Uranium, Thorium, and Plutonium, Health Phy. 15, 359-362. Sill, C.W. (1969), Separation and Radiochemical Determination of Uranium and the Transuranium Elements Using Barium Sulfate, Health Phy. 17, 89-107. Talvitie, N.A. (1971), Radiochemical Determination of Plutonium in Environmental and Biological Samples by Ion Exchange, Anal. Chem., 43, 1827-1830.		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				<p>Sill, C.W. (1974), Purification of Radioactive Tracers for Use In High Sensitivity Alpha Spectrometry, Anal. Chem. 46, 1426-1431.</p> <p>Sill, C.W. and R.L. Williams (1981), Preparation of Actinides for Alpha Spectrometry without Electrodeposition, Anal. Chem. 53, 412-415., N/A, 15, 359-362</p>		
Description Collection of bibliographic references for radionuclide methods						
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-C	Active	Salinity in Water- Density Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-CN(I)	Active	Weak Acid Dissociable Cyanide in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	

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APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	7500-U-C	Active	Uranium in Water by Isotopic Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Alpha Spectrophotometer	
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-C	Active	Standard Total Coliform-Delayed-Incubation Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
HACH	8000	Active	Chemical Oxygen Demand	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
IDEXX	COLILERT-18	Active	Colilert-18 Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	004(W)	Active	Radium-226 and Radium-228 in Water	USEPA, 19--, Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Alpha Scintillation	

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					Detector	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	1103.1	Active	Escherichia coli in Water by Membrane Filtration Using membrane-Thermotolerant E. coli Agar (mTEC)	USEPA, 2002, Method 1103.1: Escherichia coli (E. coli) in Water by Membrane Filtration Using membrane-Thermotolerant Escherichia coli Agar (mTEC) (September 2002), USEPA, EPA 821-R-02-020		
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with	

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					Mass Spectrophotometer		
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer		
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer		
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	236.1_M	Active	Iron by FLAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer		

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USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.1_M	Active	Mercury in Water by Manual CVAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	270.2_M	Active	Selenium by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

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21NMEX		NM Environmental Dept./SWQB					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer		
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer		
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)		
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector		
USEPA	425.1	Active	Methylene Blue Active	USEPA, 1983, Methods for Chemical Analysis of	Colorimeter		

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21NMEX		NM Environmental Dept./SWQB				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Substances	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	508.1	Active	Chlorinated Pest., Herb. and Organohalide	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	515.2	Active	Chlorinated Acids in Water by GC	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary GC Electron Capture Detector	
USEPA	525.2	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	531.1	Active	N-Methylcarbamates in Water by HPLC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	547	Active	Glyphosate in Drinking Water by HPLC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	8081A(SNB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	

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21NMEX		NM Environmental Dept./SWQB					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer		
USEPA	8270B(W)	Active	Semivolatile Organics in Water by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer		
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer		
USEPA	8275	Active	Screening Semivolatile Organics	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	No equipment		
USEPA	8280(W)	Active	Polychlorinated Dioxins and Furans	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Capillary Gas Chromatograph with Mass Spectrophotometer		
USEPA	900	Active	Gross Alpha and Beta Activity in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter		
USEPA	900.1	Active	Radium in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha Scintillation Detector		
USEPA	901.1	Active	Gamma Emitters in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	High Resolution Gamma Spectrophotometer		

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21NMEX		NM Environmental Dept./SWQB				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	903.1	Active	Radium-226 in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha Scintillation Detector	
USEPA	904	Active	Radium-228 in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Beta Gas Proportional Detector	
21NMEX	SM 2130B	Susp	Turbidity, Nephelometric Method	SM-001 - Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.), 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "2130B: Turbidity, Nephelometric Method. ISBN 0-87553-235-7, American Public Health Association, American Water Works Association, and the Water Environment Federation, N/A		
	Description	Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "2130B: Turbidity, Nephelometric Method." Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.). Published jointly by the American Public Health Association, American Water Works Association, and the Water Environment Federation. ISBN 0-87553-235-7.				
21NMEX	SM 2510A	Susp	Conductivity	SM-002 - Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.), 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "2510A: Conductivity. ISBN 0-87553-235-7, American Public Health Association, American Water Works Association, and the Water Environment Federation., N/A		
	Description	Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "2510A: Conductivity." Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.). Published jointly by the American Public Health Association, American Water Works Association, and the Water Environment Federation. ISBN 0-87553-235-7.				
21NMEX	SM 2550A	Susp	Temperature	SM-003 - Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.), 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "2550A: Temperature. ISBN 0-87553-235-7, American Public Health Association, American Water Works Association, and the Water Environment Federation., N/A		

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21NMEX		NM Environmental Dept./SWQB					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	Description	Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "2550A: Temperature." Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.). Published jointly by the American Public Health Association, American Water Works Association, and the Water Environment Federation. ISBN 0-87553-235-7					
21NMEX	SM 4500H	Susp	pH Value	SM-004 - Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.), 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "4500H: pH Value. ISBN 0-87553-235-7, American Public Health Association, American Water Works Association, and the Water Environment Federation, N/A			
	Description	Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "4500H: pH Value." Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.). Published jointly by the American Public Health Association, American Water Works Association, and the Water Environment Federation. ISBN 0-87553-235-7					
21NMEX	SM 4500OG	Susp	Dissolved Oxygen, Membrane Electrode Method	SM-005 - Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.), 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "4500OG: Dissolved Oxygen, Membrane Electrode Method. ISBN 0-87553-235-7, American Public Health Association, American Water Works Association, and the Water Environment Federation, N/A			
	Description	Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "4500OG: Dissolved Oxygen, Membrane Electrode Method." Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.). Published jointly by the American Public Health Association, American Water Works Association, and the Water Environment Federation. ISBN 0-87553-235-7					
21NMEX	SM 7500-U-C	Susp	Uranium, Isotopic Method	SM-006 - Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.), 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "7500-U-C: Uranium, Isotopic Method. ISBN 0-87553-235-7, American Public Health Association, American Water Works Association, and the Water Environment Federation., N/A			
	Description	Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "4500OG: Dissolved Oxygen, Membrane Electrode Method." Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.). Published jointly by the American Public Health Association, American Water Works Association, and the Water Environment Federation. ISBN 0-87553-235-7					

Field/Lab Analytical Procedures and Equipment Detail

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21NMEX

NM Environmental Dept./SWQB

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NMEX	SM 9221C	Susp	Estimation of Bacterial Density	SM-007 - Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.), 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. 9221C: Estimation of Bacterial Density. ISBN 0-87553-235-7, American Public Health Association, American Water Works Association, and the Water Environment Federation, N/A		
Description Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. "9221C: Estimation of Bacterial Density." Lenore S. Clesceri, Arnold E. Green berg, and Andrew D. Eaton (Eds.). Published jointly by the American Public Health Association, American Water Works Association, and the Water Environment Federation. ISBN 0-87553-235-7.						

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21NYDECA

NYS Dept. of EnCon, Division of Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NYDECA	RIBS-FIELD	Active	RIBS Field Data Measurement (Hydrolab, YSI instruments)	J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)	Probe	
21NYDECA	RIBS-OBSRV	Active	RIBS Field Observations (weather, flow, etc)	J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)	Human Eye	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Nephelometer	

Field/Lab Analytical Procedures and Equipment Detail

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21NYDECA

NYS Dept. of EnCon, Division of Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	206.3_M	Active	Hydride Generation ICP	USEPA, 19--., CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Hydride Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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21NYDECA		NYS Dept. of EnCon, Division of Water				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	
USEPA	420.2	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	420.4	Active	Total Recoverable Phenolics in Water	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	601	Active	Purgeable Halocarbons in Wastewater	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electron Capture Detector	

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21OHDGW Division of Drinking and Ground Water (Ohio)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21OHDGW	03908	Active	Cymene	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	110.1	Active	Specific Conductance, Lab, 25 deg. C	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Conductivity Bridge	
21OHDGW	120.1	Active	pH, Lab, 25 deg. C	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	pH meter	USEPA/150.1
21OHDGW	130.1	Active	Residue, Total	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Drying Oven	
21OHDGW	130.3	Active	Solids, Total	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Incubator	
21OHDGW	160.1	Active	Dissolved Solids	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Drying Oven	
21OHDGW	210.1	Active	Acidity	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Titration Apparatus	
21OHDGW	220.11	Active	Alkalinity, Total	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Titration Apparatus	USEPA/310.1_M
21OHDGW	230.1	Active	Chloride, Total	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	AutoAnalyzer	USEPA/325.1
21OHDGW	240.1	Active	Cyanide, Total	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	AutoAnalyzer	

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21OHDGW Division of Drinking and Ground Water (Ohio)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21OHDGW	240.2	Active	Cyanide, Free	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1		
21OHDGW	245.1	Active	Mercury, Total	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Graphite Furnace Atomic Absorption Spectrophotometer	
21OHDGW	250.1	Active	Ammonia, Nitrogen	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Colorimeter	USEPA/350_M(A)
21OHDGW	250.2	Active	Total Kjeldahl Nitrogen	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Colorimeter	USEPA/351.2
21OHDGW	250.3	Active	Nitrate-Nitrite, Nitrogen	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Colorimeter	USEPA/353.3
21OHDGW	250.4	Active	Nitrogen, Nitrite	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	AutoAnalyzer	
21OHDGW	250.5	Active	Nitrogen, Nitrate	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	AutoAnalyzer	
21OHDGW	260.1	Active	Phosphorus, Total	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Colorimeter	USEPA/365_M
21OHDGW	270.2	Active	Sulfate, Total	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Colorimeter	USEPA/375.2
21OHDGW	280.1	Active	Fluoride, Total_pre 2005	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-	Ion Selective Electrode	USEPA/9214

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21OHDGW Division of Drinking and Ground Water (Ohio)							
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID	
				DES, Volume 1			
21OHDGW	310.1	Active	Biochemical Oxygen Demand, 5-day	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Incubator		
21OHDGW	320.3	Active	Chemical Oxygen Demand	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Spectrophotometer	USEPA/410.4	
21OHDGW	320.4	Active	COD, 20mg/L	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Spectrophotometer		
21OHDGW	32102	Active	Carbon Tetrachloride	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer		
21OHDGW	32103	Active	DICHLOROETHANE, 1,2-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer		
21OHDGW	335.1	Active	Total Organic Carbon	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Total Organic Carbon Analyzer	USEPA/9060	
21OHDGW	340.1	Active	Phenolics, Total Recoverable	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	AutoAnalyzer		
21OHDGW	34020	Active	XYLENE, ORTHO	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer		
21OHDGW	34392	Active	HEXACHLOROBUTADIENE	Division of Environmental Services, 1997, Manual	Capillary GC with		

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21OHDGW

Division of Drinking and Ground Water (Ohio)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	High Resolution Mass Spectrophotometer	
21OHDGW	34423	Active	DICHLOROMETHANE	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	34501	Active	VINYLDENE CHLORIDE	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	34506	Active	TRICHLOROETHANE, 1,1,1-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	34511	Active	TRICHLOROETHANE, 1,1,2-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	34516	Active	TETRACHLOROETHANE, 1,1,2,2-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	34551	Active	TRICHLOROBENZENE, 1,2,4-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	

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21OHDGW Division of Drinking and Ground Water (Ohio)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21OHDGW	34571	Active	DICHLOROBENZENE, PARA-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	34696	Active	NAPHTHALENE	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	38760	Active	DBCP, 1,2-DIBROMO-3-CHLOROPROPANE	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	401.1	Active	Metals, Total, ICP	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Inductively Coupled Plasma Spectrophotometer	USEPA/200.7(W)
21OHDGW	407.1	Active	Metals, Total, GFAA_pre 2005	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/1620(B)
21OHDGW	417.2	Active	Chromium, hexavalent dissolved	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Spectrophotometer	USEPA/7197
21OHDGW	524.2	Active	Volatile Organic Compounds	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	525.2	Active	Herbicide/Pesticide	Ohio EPA-DDAGW, 2002, Operating Procedures Document, Ohio EPA, 3-1 to 3-15		

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21OHDGW

Division of Drinking and Ground Water (Ohio)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21OHDGW	620.1	Active	Total Fecal Coliform	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Incubator	
21OHDGW	625.0	Active	Base Neutral & Acid Extractable	Ohio EPA-DDAGW, 2002, Operating Procedures Document, Ohio EPA, 3-1 to 3-15		
21OHDGW	77222	Active	TRIMETHYLBENZENE, 1,2,4-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	77223	Active	Cumene	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	77224	Active	PROPYLBENZENE, N-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	77226	Active	TRIMETHYLBENZENE, 1,3,5-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	77443	Active	TRICHLOROPROPANE, 1,2,3-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	77562	Active	TETRACHLOROETHANE, 1,1,1,2-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass	

Field/Lab Analytical Procedures and Equipment Detail

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21OHDGW

Division of Drinking and Ground Water (Ohio)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
21OHDGW	77613	Active	TRICHLOROBENZENE, 1,2,3-	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	77651	Active	ETHYLENE DIBROMIDE (EDB)	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	85795	Active	XYLENES, M & P MIX	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	MTBE	Active	MTBE	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Capillary GC with High Resolution Mass Spectrophotometer	
21OHDGW	ORP-001	Active	Field determination of ORP	Ohio EPA-DDAGW, 2002, Operating Procedures Document, Ohio EPA, 3-1 to 3-15		
21OHDGW	PH-001	Active	Field Determination of water pH	Ohio EPA-DDAGW, 2002, Operating Procedures Document, Ohio EPA, 3-1 to 3-15	pH meter	
21OHDGW	SM 2540C	Active	Total Dissolved Solids	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1		
21OHDGW	SM 3113B	Active	Total Metals by GFAA	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1	Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21OHDGW Division of Drinking and Ground Water (Ohio)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21OHDGW	SM 4500-FC	Active	Total Fluoride	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1		
21OHDGW	SM 5220D	Active	COD determination	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1		
21OHDGW	SM 5310B	Active	TOC determination	Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1		
21OHDGW	SP.COND.-001	Active	Field Determination of water specific conductivity	Ohio EPA-DDAGW, 2002, Operating Procedures Document, Ohio EPA, 3-1 to 3-15	YSI Multi Probe Handheld Instrument	
21OHDGW	TDS-001	Active	Field determination of TDS	Ohio EPA-DDAGW, 2002, Operating Procedures Document, Ohio EPA, 3-1 to 3-15		
21OHDGW	TEMP-001	Active	Field Determination of water temperature	Ohio EPA-DDAGW, 2002, Operating Procedures Document, Ohio EPA, 3-1 to 3-15	YSI Multi Probe Handheld Instrument	
21OHDGW	TRIT	Active	Tritium, electrolytic	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Liquid Scintillation Counter	USDOI/USGS/R1 174
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.1	Active	Chloride by Colorimetric Analysis I	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21OHDGW

Division of Drinking and Ground Water (Ohio)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21PA Pennsylvania Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21PA	DEPCYAN	Active	Cyanide in Water DEP method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	DEPMBAS	Active	Detergents and sufactants	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	DEPOSPRE SS	Active	Osmotic Pressure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	EPA SW 846 305	Active	Stream Sediment Contaminents	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	EQL-05 92-086	Active	Hi Volume Potassium	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	FLOW	Active	Stream Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	FSTREP	Active	Strep-Fecal	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	GALPHA	Active	Alpha-BHC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	GBETA	Active	beta-BHC	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	H3	Active	Tritium	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	LIPIDS	Active	% Lipids in Fish Tissue	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	PAFECAL	Active	Fecal Coliform	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21PA	SM209C	Active	Residue, Total Filterable at 105 C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	2310	Active	Acidity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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21PA

Pennsylvania Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	3500-CR(D)	Active	Total Hexavalent Chromium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-D	Active	Total Organic Carbon in	American Public Health Association, 1992,	Total Organic	

Field/Lab Analytical Procedures and Equipment Detail

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21PA

Pennsylvania Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water- Wet-Oxidation Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Carbon - Infra-Red Detector	
USDOI/USGS	I1586	Active	Water pH	USDOI, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	pH meter	
USDOI/USGS	I3750	Active	Residue by Evaporation and Gravimetric	USDOI, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Laboratory Balance	
USDOI/USGS	I3765	Active	Residue by Evaporation and Gravimetric	USDOI, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Laboratory Balance	
USEPA	00-01	Active	Gross Alpha and Beta Activity in Water	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	0010(W)	Active	Tritium in Water	USEPA, 19--., Radiochemical Analytical Methods, USEPA, EMSL_LV_0539_17	Liquid Scintillation Counter	
USEPA	160.5	Active	Settleable Matter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1624(W)	Active	Volatiles by Isotope Dilution - Water	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	GC with Low Resolution Mass Spectrophotometer	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of	Nephelometer	

Field/Lab Analytical Procedures and Equipment Detail

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21PA

Pennsylvania Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	218.6	Active	Hexavalent Chromium by Ion Chromatograph	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Ion Chromatograph	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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21PA

Pennsylvania Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365_M	Active	Phosphorus in Water by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Photometer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	420.4	Active	Total Recoverable Phenolics in Water	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	450.1	Active	Total Organic Halide	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Halogen Analyzer	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	8081(W)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21SC60WQ

SC Dept. of Health & Environmental Control

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21SC60WQ	DO	Active	Dissolved Oxygen	South Carolina DHEC Environmental Control Office - Bureau of Water, 1997, Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Environmental Quality Control, South Carolina Department of Health and Environmental Control, Entire Document		
21SC60WQ	FIELD PARMS	Active	Field parameter measurement	South Carolina DHEC Environmental Control Office - Bureau of Water, 1997, Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Environmental Quality Control, South Carolina Department of Health and Environmental Control, Entire Document		
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3112-B	Active	Mercury in Water by CVAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Cold Vapor Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21SC60WQ

SC Dept. of Health & Environmental Control

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3120	Active	Metals in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	6640-B	Active	Chlorinated Phenoxy Herbicides in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electrolytic Conductivity Detector	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA	

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21SC60WQ

SC Dept. of Health & Environmental Control

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	245.1_M	Active	Mercury in Water by Manual CVAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	624-S	Active	Organics in Sludge - Volatiles	USEPA, 19--, Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	GC with Low Resolution Mass Spectrophotometer	
USEPA	625	Active	Base/Neutral and Acid	USEPA, 1984, Guidelines Establishing Test	GC with Low	

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21SC60WQ

SC Dept. of Health & Environmental Control

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Organics in Wastewater	Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	Resolution Mass Spectrophotometer	
USEPA	625-S	Active	Organics in Sludge - Base/Neutral and Acid	USEPA, 19--., Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	GC with Low Resolution Mass Spectrophotometer	
USEPA	C-011-1	Active	Soil % Moisture by Gravimetry	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Laboratory Balance	
21SC60WQ	LAB PH	Susp	Laboratory measured pH	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	

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21SCBCH

SC Dept of Health & Environmental Control

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
IDEXX	ENTEROLE RT	Active	Enterolert Quanti-Tray; Multi Tube, Multi Well, for Enterococci	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		

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21SCESOP

SC Dept. of Health & Environmental Control

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21SCESOP	DO	Active	Dissolved Oxygen	SCDHEC-EQC, 1997, Environmental Investigations Standard Operation Procedures and Quality Assurance Manual, SCDHEC, 1997		
21SCESOP	FIELD PARMS	Active	Field measurements	SCDHEC-EQC, 1997, Environmental Investigations Standard Operation Procedures and Quality Assurance Manual, SCDHEC, 1997		
21SCESOP	TRITIUMH20	Active	Tritium analysis in water.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	3112-B	Active	Mercury in Water by CVAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Cold Vapor Atomic Absorption Spectrophotometer	
APHA	3120	Active	Metals in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	6640-B	Active	Chlorinated Phenoxy Herbicides in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	GC with Electrolytic Conductivity Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

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21SCESOP

SC Dept. of Health & Environmental Control

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	245.1_M	Active	Mercury in Water by Manual CVAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	624-S	Active	Organics in Sludge - Volatiles	USEPA, 19--., Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	GC with Low Resolution Mass Spectrophotometer	
USEPA	625	Active	Base/Neutral and Acid Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	H-02	Active	Tritium in Water	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Liquid Scintillation Counter	

Field/Lab Analytical Procedures and Equipment Detail

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21SCGW

SC Dept. of Health & Environmental Control

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	3120	Active	Metals in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
ASTM	D1293(B)	Active	pH of Water By Routine Measurement	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	245.1_M	Active	Mercury in Water by Manual CVAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotomet	

Field/Lab Analytical Procedures and Equipment Detail

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21SCGW

SC Dept. of Health & Environmental Control

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	340.2_M	Active	Fluoride with an Ion Selective Electrode	USEPA, 19--., CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Ion Selective Electrode	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21SCSANT

Santee Cooper - South Carolina Public Service Authority

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21SCSANT	FLOW	Active	Stream Flow, Inst. (cfs)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21SCSANT	UNKNOWN	Active	UNKNOWN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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21SCSANT

Santee Cooper - South Carolina Public Service Authority

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3.4	Active	Coliforms- Membrane Filter	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Colorimeter	
APHA	3500-AS(B)	Active	Arsenic in Water by GFAA or HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-CA(B)	Active	Calcium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-CD(B)	Active	Cadmium in Water by FLAA/GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-CR(B)	Active	Chromium in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-CU(B)	Active	Copper in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-FE(B)	Active	Iron in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	3500-HG(B)	Active	Mercury in Water by CVAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Cold Vapor Atomic Absorption Spectrophotometer	

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21SCSANT

Santee Cooper - South Carolina Public Service Authority

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3500-K-B	Active	Potassium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-MG(B)	Active	Magnesium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-MN(B)	Active	Manganese in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-NA(B)	Active	Sodium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-NI(B)	Active	Nickel in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-PB(B)	Active	Lead in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-SE(H)	Active	Selenium in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	3500-ZN(B)	Active	Zinc in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	

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21SCSANT

Santee Cooper - South Carolina Public Service Authority

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4110-B	Active	Anions in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-BR(C)	Active	Bromide in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-CL(G)	Active	Residual Chlorine by Colorimetry- DPD Colorimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CL-(F)	Active	Chloride in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-F-F	Active	Fluoride in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-	Active	Nitrite in Water by Ion	American Public Health Association, 1992,	Ion	

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Santee Cooper - South Carolina Public Service Authority

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	NO2(C)		Chromatography	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Chromatograph	
APHA	4500-NO3(C)	Active	Nitrate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-NOR(C)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SO4(B)	Active	Sulfate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	

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21SCSANT

Santee Cooper - South Carolina Public Service Authority

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-SO4(E)	Active	Sulfate by Turbidimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Turbidimeter	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5710-D	Active	Trihalomethane Formation Potential	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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21SCSHL

SC Dept of Health and Environmental Control

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9221-D	Active	Estimation of Bacterial Density- MPN Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-E	Active	Fecal Coliform- Delayed-Incubation Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	

Field/Lab Analytical Procedures and Equipment Detail

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21SDAK01	21SDAK01	Active	SAR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Calculated SAR - provided by BOR laboratory						
21SDAK01	4500-NH3(H)	Active	Ammonia nitrogen in water - Flow injected analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Proposed ammonia nitrogen method by flow injection in 1998 APHA						
21SDAK01	4500-NO2(I)	Active	Nitrite nitrogen in water - Flow injected cadmium reduction	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Nitrite nitrogen method by flow injected cadmium reduction in 1998 APHA.						
21SDAK01	4500-NO3(I)	Active	Nitrate nitrogen in water - Flow injected cadmium reduction	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Proposed nitrate nitrogen method of flow injected cadmium reduction in 1998 APHA.						
21SDAK01	4500-SO4(G)	Active	Sulfate in water - Methylthymol blue flow injection analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Sulfate method methylthymol blue flow injection analysis found in 1998 APHA.						
21SDAK01	507 MODIFIED	Active	Nitrogen and phosphorus pesticides	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		
Description Same as EPA method 507 except the initial screening step is omitted and the lab goes for each constituent.						
21SDAK01	ALKALINIT Y P	Active	ALKALINITY P	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21SDAK01	CATION-ANION BA	Active	Cation-Anion Balance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21SDAK01	DEPTH	Active	Depth	SDWRAP - WRAP, WRAP, WRAP, WRAP, WRAP		
21SDAK01	HISTORIC	Active	Historic	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21SDAK01	NONE	Active	None	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21SDAK01	TDS	Active	TDS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		TS - TSS = TDS				
21SDAK01	VISUAL	Active	Visual	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21SDAK01	WRAP	Active	Water Resources Assistance Program	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Water Resources Assistance Program Procedure - See SOP				
AOAC	970.52	Active	Organo Pesticide Residues - Multiresidue	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	No equipment	
APHA	10400-D	Active	Macrophyton Population Estimates	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	4500-CN(C)	Active	Cyanide in Water after Distillation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	4500-CN(I)	Active	Weak Acid Dissociable Cyanide in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-F-C	Active	Fluoride in Water Using an	American Public Health Association, 1992,	Ion Selective	

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SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			ISE	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Electrode	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-NO3(I)	Active	Nitrate in Water- Cadmium Reduction Flow Injection	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-	Active	Sulfate in Water by	American Public Health Association, 1992,	AutoAnalyzer	

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SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	SO4(F)		Colorimetry	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-D	Active	Estimation of Bacterial Density- MPN Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
ASTM	D2036(A)	Active	Cyanides in Water After Distillation	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Colorimeter	
NIOSH	500	Active	Total Particulates by Gravimetric Technique	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical	Laboratory Balance	

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SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Methods, 4th Edition,, National Institute for Occupational Safety and Health, 4th Edition		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1618	Active	Pesticides and Herbicides	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary GC with Flame Photometric Detector	
USEPA	1624(W)	Active	Volatiles by Isotope Dilution	USEPA, 1990, U.S. EPA Analytical Methods for	GC with Low	

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			- Water	the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Resolution Mass Spectrophotometer	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19-- , CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
USEPA	206.5	Active	Arsenic Digestion for HYDAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	208.2	Active	Barium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.5	Active	Hexavalent Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	219.2	Active	Cobalt by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	231.2	Active	Gold by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.2	Active	Iron by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.2	Active	Manganese by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.1_M	Active	Mercury in Water by Manual CVAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	246.2	Active	Molybdenum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	279.1	Active	Thallium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption	

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.2	Active	Zinc by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.1	Active	Chloride by Colorimetric Analysis I	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	340.3	Active	Fluoride in Water by	USEPA, 1983, Methods for Chemical Analysis of	Colorimeter	

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

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SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	
USEPA	375.1	Active	Sulfate by Colorimetry With Chloranilate	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Inductively Coupled Plasma	

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21SDAK01

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update I., USEPA, SW-846_I	Combined with Mass Spectrophotome	
USEPA	610	Active	Polynuclear Aromatic Hydrocarbons by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	612	Active	Chlorinated Hydrocarbons by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	619	Active	Triazine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	8081(W)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	

Field/Lab Analytical Procedures and Equipment Detail

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21VASWCB

Virginia Department of Environmental Quality (VADEQ)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D3590(B)	Active	TKN by AutoAnalyzer	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	AutoAnalyzer	
ASTM	D3867(A)	Active	Nitrite-Nitrate Automated Cd Reduction	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	AutoAnalyzer	
USEPA	200	Active	Metals by Atomic Absorption	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	

Field/Lab Analytical Procedures and Equipment Detail

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22LAGWTR		Louisiana Dept of Environmental Quality				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
22LAGWTR	8260B	Active	VOC's in Water - 8260B	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III		USEPA/8260B
22LAGWTR	8270C - SVOC	Active	SEMIVOLATILE ORGANIC COMPOUNDS IN WATER 8270C	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III		USEPA/8270C(W)
22LAGWTR	8270C PEST/PCB	Active	PESTICIDES AND PCB'S IN WATER 8270C	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III		USEPA/8270C(W)
22LAGWTR	BMP-FLD	Active	Field Measures	Baseline Monitoring Project, 1999, Baseline Monitoring Project, Quality Assurance Project Plan, LDEQ, 198pp	Probe	
22LAGWTR	NUTRIENT S-1	Active	Nutrients in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
ASTM	D1889	Active	Turbidity of Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Turbidimeter	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Nephelometer	

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22LAGWTR

Louisiana Dept of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Colorimeter	

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22LAGWTR

Louisiana Dept of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	625	Active	Base/Neutral and Acid Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	

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22MTHDWQ		Montana Dept. of Environmental Quality				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21AQ	CNMI-001	Active	Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21AQ	CNMI-002	Active	Dissolved Oxygen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21AQ	CNMI-003	Active	Waether measurements	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21AQ	CNMI-004	Active	Tide and Sea Stage	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21AQ	CNMI-005	Active	Water temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	305.2	Active	Acidity by Titration Using a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	9132	Active	Total Coliform by Membrane Filter	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Optical Microscope	
USEPA	9200	Active	Nitrate in Water by Spectrophotometry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Spectrophotometer	

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22MTHDWQ

Montana Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition., USEPA, EPA 530/SW-846		
USEPA	9250	Active	Chloride by Automated Colorimetry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	AutoAnalyzer	

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31DELRBC

Delaware River Basin Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2310	Active	Acidity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3500-CR(D)	Active	Total Hexavalent Chromium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-CU(C)	Active	Copper in Water by ICP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-ZN(C)	Active	Zinc in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	4500-CL-(D)	Active	Chloride in Water by Potentiometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Potentiometer	

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31DELRBC

Delaware River Basin Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SI(D)	Active	Silica in Water by Spectrophotometry- Molybdosilicate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-SI(E)	Active	Silica in Water by Spectrophotometry- Heteropoly Blue Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	1106_1	Active	Enterococci in Water by Membrane Filter	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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31DELRBC

Delaware River Basin Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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31DELRBC

Delaware River Basin Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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31DELRBC

Delaware River Basin Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	524.1	Active	Purgeable Organics in Water by GC/MS	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	GC with Low Resolution Mass Spectrophotometer	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	525.1	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	601	Active	Purgeable Halocarbons in Wastewater	USEPA, 19-- , Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electron Capture Detector	
USEPA	602	Active	Purgeable Aromatics in Wastewater by GC	USEPA, 19-- , Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Photoionization Detector	
USEPA	900	Active	Gross Alpha and Beta Activity in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	
USEPA	906	Active	Tritium in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Liquid Scintillation Counter	

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31DRBCSP Delaware River Basin Commission						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
31DRBCSP	DO % SAT.	Active	dissolved oxygen % saturation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
31DRBCSP	DO SAT VALUE	Active	Dissolved oxygen saturation value	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
31DRBCSP	F.COLIFOR M	Active	Fecal Coliform Analysis by National Park Service	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
31DRBCSP	FECAL	Active	Fecal Coliform analysis by NPS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
31DRBCSP	FLOW	Active	Stream Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
31DRBCSP	GAGEHT	Active	stream gage hieght	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
31DRBCSP	US EPA 365.1	Active	Dissolved Phosphorus Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		USEPA/365.1
31DRBCSP	USEPA 445.0	Active	USEPA 445.0	USEPA, 2000, National Coastal Assessment - Coastal 2000 Quality Assurance Project Plan., USEPA, none		
Description United States EPA method 445.0 for analysis of Chlorophyll a						
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992,	pH meter	

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31DRBCSP

Delaware River Basin Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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31DRBCSP

Delaware River Basin Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water, USEPA, CLP_WQP		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.2(C)	Active	Ammonia Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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31ISC2RS

Interstate Sanitation Commission (New York)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
31ISC2RS	ISC-SOP-37	Active	Floating Debris Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
31ISC2RS	ISC-SOP-38	Active	Sea Wave Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
31ISC2RS	ISC-SOP-39	Active	Cloud Cover Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
31ISC2RS	ISC-SOP-40	Active	Depth Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Measuring Ruler/Tape	
31ISC2RS	ISC-SOP-55	Active	SECCHI DEPTH DETERMINATION	American Society for Testing of Materials, 1994, ASTM Standards. General Products, Chemical Specialties & End Use Products; Soap; etc., American Society for Testing and Materials, Vol 15.04	Human Eye	
31ISC2RS	SOP 25	Active	Conductivity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
31ISC2RS	SOP XI	Active	Fecal and Total Coliform Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
31ISC2RS	SOP XIA	Active	Fecal Streptococcus and Enterococcus Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		

Field/Lab Analytical Procedures and Equipment Detail

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31ISC2RS

Interstate Sanitation Commission (New York)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-C	Active	Salinity in Water- Density Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	2520-D	Active	Salinity in Water- Algorithm of Practical Salinity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	2530-B	Active	Particulate Floatables in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

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31ORWUNT

Ohio River Sanitation Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
31ORWUNT	200.7	Active	ICP Recoverable Metals	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
31ORWUNT	200.8	Active	ICPMS Recoverable Metals	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
31ORWUNT	245.1	Active	Mercury, CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
31ORWUNT	3500CR D	Active	Chromium Hexavalent	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
31ORWUNT	9213D	Active	E. Coli	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
31ORWUNT	9222D	Active	Fecal Coliform	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
HACH	8051	Active	Sulfate in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	160.2	Active	Non-Filterable Residue -	USEPA, 1983, Methods for Chemical Analysis of	Laboratory	

Field/Lab Analytical Procedures and Equipment Detail

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31ORWUNT

Ohio River Sanitation Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			TSS	Water and Wastes, USEPA, EPA 600/4-79-020	Balance	
USEPA	1638	Active	Trace Elements in Water by ICP/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Inductively Coupled Plasma Spectrophotometer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

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42SRBCWQ

Susquehanna River Basin Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
42SRBCWQ	4500-N-D	Active	Total Nitrogen	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
42SRBCWQ	ACID-FLD	Active	Acidity, Field Titration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
42SRBCWQ	ALK-FLD	Active	Alkalinity, Field Titration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
42SRBCWQ	DO-FLD	Active	Dissolved Oxygen, Field Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
42SRBCWQ	PH-FLD	Active	pH, Field	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
42SRBCWQ	SPCOND-FLD	Active	Conductivity, Field Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
42SRBCWQ	TEMP-FLD	Active	Temperature, Field	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
42SRBCWQ	USGS-FLOW	Active	Stream Discharge Measurements	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	

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42SRBCWQ

Susquehanna River Basin Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	215.2	Active	Calcium by EDTA Titrimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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42SRBCWQ

Susquehanna River Basin Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	

Field/Lab Analytical Procedures and Equipment Detail

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ALASSWCD		Alaska Soil and Water Conservation District				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ALASSWCD	CEMP1.0	Active	Coliscan Easygel	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
ALASSWCD	FIELDOBS	Active	Field Observations	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Human Eye	
	Description	use for barometric pressure, etc.				
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
ASTM	D1498	Active	Oxidation-Reduction Potential for Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	pH meter	
ASTM	D3858	Active	Open-Channel Flow Measurement by Area	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	No equipment	
ASTM	D4409	Active	Open-Channel Flow by RECM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Rotating Element Current Meter	

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ALASSWCD

Alaska Soil and Water Conservation District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D888(B)	Active	Dissolved Oxygen by Instrumental Probe	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Ion Selective Electrode	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

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Alliance For A Living Ocean						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ALO	BOTTOM-1	Active	Bottom Depth	Carol Elliott, 1995, Monitoring Protocols for the Barnegat Bay Watch Monitoring Program, Alliance for a Living Ocean, 27 pp		
ALO	DEPTH-1	Active	Water Depth	Carol Elliott, 1995, Monitoring Protocols for the Barnegat Bay Watch Monitoring Program, Alliance for a Living Ocean, 27 pp	Probe	
ALO	DO-1	Active	Dissolved Oxygen in Water	Carol Elliott, 1995, Monitoring Protocols for the Barnegat Bay Watch Monitoring Program, Alliance for a Living Ocean, 27 pp	Field/Laboratory Test Kit	
ALO	PH-1	Active	PH in Water	Carol Elliott, 1995, Monitoring Protocols for the Barnegat Bay Watch Monitoring Program, Alliance for a Living Ocean, 27 pp	Field/Laboratory Test Kit	HACH/8156
ALO	SALINITY-1	Active	Salinity in Water	Carol Elliott, 1995, Monitoring Protocols for the Barnegat Bay Watch Monitoring Program, Alliance for a Living Ocean, 27 pp	Titration Apparatus	
ALO	TEMP-1	Active	Field Determination of Water Temperature, Probe	Carol Elliott, 1995, Monitoring Protocols for the Barnegat Bay Watch Monitoring Program, Alliance for a Living Ocean, 27 pp	Thermometer	
ALO	TRANS-1	Active	Transparency	Carol Elliott, 1995, Monitoring Protocols for the Barnegat Bay Watch Monitoring Program, Alliance for a Living Ocean, 27 pp	Probe	

Field/Lab Analytical Procedures and Equipment Detail

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AQUINNAH

Wampanoag Tribe of Gay Head (Aquinnah) - Massachusetts

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
AQUINNAH	CHLORAPH YLL-A	Active	Chlorophyll-A, Pheophytin-a and Algae Biomass	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
Description The determination of Chlorophyll-a and associated algae biomass through the use of multiple absorbances on the Hach UV/VIS DR4000.						
AQUINNAH	ENTEROC OCCUS	Active	Enterococcus Bacteria for Marine and Fresh Water Swimming Beaches	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
Description Membrane filtration of 100 ml's of sample through prepared HACH Mei agar plates. these plates are then incubated for 24 hours, and any resulting colony growth is counted.						
AQUINNAH	IDEXX	Active	Total Coliform and E.coli Bacteria	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description By utilizing the IDEXX defined substrate for the determination of TC + E.coli. Typically 100ml's of sample is utilized, one IDEXX capsule is added, shaken and placed into the QUANTI-Tray and incubated. 24 hours later the changes are recorded and quantified based on manufacture supplied QC charts.						
AQUINNAH	NH3-N	Active	Ammonia Nitrogen	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Visible Spectrophotometer	
Description HACH Method # 8155. Ammonia compounds combine with chlorine to form monochloramine. Monochloramine reacts with salicylate to form 5-aminosalicylate. The 5 - aminosalicylate is oxidized in the presence of sodium nitroprusside catalyst to form a blue-colored compound. The blue color is masked by the yellow color from the excess reagent present to give a final green -colored solution.						
AQUINNAH	NITRATE-N	Active	Nitrate Nitrogen	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Visible Spectrophotometer	
Description HACH Method # 8039 for the determination of Nitrate-nitrogen in water. 30.0 mg/L -0.01mg/L. Cadmium metal reduces nitrates in the sample to nitrite. The nitrite ion reacts in an acidic medium with sulfanilic acid to form an intermediate diazonium salt. The salt couples with gentisic acid to form an amber colored solution						
AQUINNAH	ON SITE DATA LO	Active	YSI 6600	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description The utilization of multiparameter probes and instruments for direct reading of the following parameters: DO%, Temp, Conductivity, salinity, Temperature, depth, Turbidity						
AQUINNAH	SILICA	Active	Silica Heteropoly Blue Method	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company,	Visible Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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AQUINNAH

Wampanoag Tribe of Gay Head (Aquinnah) - Massachusetts

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				2nd Edition	er	
Description	Based on Standard Methods for the Examination of Water and Wastewater, HACH Method 8186. Silical and phosphate in the sample react with molybdate iron under acidic conditions to form yellow silicomolybdic acid complexes and phosphomolybdic acid complexes. Addition of citric acid destroys the phosphate complexes. An Amino Acid is then added to reduce the yellow silicomolybdic acid to intense blue color, this color is proportional to the silica concentration.					
AQUINNAH	TPH	Active	TPH Immunoassay Method	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Visible Spectrophotometer	
Description	HACH Method 10050. This method provides semi-quantitative screening based on thresholds for TPH as diesel fuel. HACH immunoassay tested use antigen/antibody reactions to test for specific organic compounds in water. Antibodies specific for TPH are attached to the walls of plastic cuvettes. They selectively bind and remove TPH from complex sample matrices. A prepared sample and a reagent containing enzyme-conjugate molecules (analyte molecules attached to molecules of an enzyme) are added to the Antibody Cuvettes. During incubation, enzyme-conjugate molecules and TPH compete for binding sites on the antibodies. Samples with higher levels of analyte will have more antibody sites occupied by TPH and fewer antibody sites occupied by the enzyme-conjugate molecules. After incubation, the sample and unbound enzyme conjugate are washed from the cuvette and a color-development reagent is added. The enzyme in the conjugate catalyzes the development of color. Therefore, there is an inverse relationship between color intensity and the amount of TPH in the sample. The resulting color is then compared with a calibrator to determine whether the TPH concentration in the sample is greater or less than the threshold levels. The TPH concentration is inversely proportional to the color development: the lighter the color, the higher the TPH concentration.					
HACH	8000	Active	Chemical Oxygen Demand	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
HACH	8043	Active	Biological Oxygen Demand in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Generic inspection-related equipment(eg color charts)	
HACH	8048	Active	Reactive Phosphorus in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8190	Active	Total Phosphorus in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8507	Active	Nitrite in Water	Hach Chemical Company, 1992, Hach Water	Spectrophotomet	

Field/Lab Analytical Procedures and Equipment Detail

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AQUINNAH

Wampanoag Tribe of Gay Head (Aquinnah) - Massachusetts

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Analysis Handbook., HACH Chemical Company, 2nd Edition	er	

Field/Lab Analytical Procedures and Equipment Detail

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ARDEQH2O

Arkansas Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-G	Active	Zooplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-CL(D)	Active	Residual Chlorine in Water by Titration- Amperometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(C)	Active	Cyanide in Water after	American Public Health Association, 1992,	No equipment	

Field/Lab Analytical Procedures and Equipment Detail

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ARDEQH2O

Arkansas Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Distillation	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	4500-CN(D)	Active	Cyanide in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(E)	Active	Cyanide in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(D)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by	American Public Health Association, 1992,	Total Organic	

Field/Lab Analytical Procedures and Equipment Detail

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ARDEQH2O

Arkansas Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Combustion-Infrared Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Carbon - Infra-Red Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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AURORA City of Aurora (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	4110-B	Active	Anions in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	

Field/Lab Analytical Procedures and Equipment Detail

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AURORA		City of Aurora (Colorado)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(D)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
AURORA	YSI-DS	Active	Dissolved Solids via YSI	Unknown, 19--, No Cite - Method Not Cited,		

Field/Lab Analytical Procedures and Equipment Detail

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AURORA

City of Aurora (Colorado)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Sonde	Unknown, Vol --		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	

Field/Lab Analytical Procedures and Equipment Detail

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AWC_WQ

American Water Company (Illinois)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	

Field/Lab Analytical Procedures and Equipment Detail

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AWQDECJN

Alaska Dept. of Environmental Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-C	Active	Salinity in Water- Density Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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AWQDECJN

Alaska Dept. of Environmental Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2540-F	Active	Settleable Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	2580	Active	Oxidation-Reduction Potential of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(D)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(F)	Active	Ammonia in Water Using Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-O-C	Active	Total Dissolved Oxygen by Titration- Azide Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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AWQDECJN

Alaska Dept. of Environmental Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
ASTM	D5128	Active	pH of Water of Low Conductivity	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	pH meter	
ASTM	D888(B)	Active	Dissolved Oxygen by Instrumental Probe	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Ion Selective Electrode	
AWQDECJN	FIELD	Active	Field Measurements	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
USDOI/USGS	I1250	Active	Color in Water by Visual Comparison	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Human Eye	
USDOI/USGS	I1586	Active	Water pH	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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AWQDECJN

Alaska Dept. of Environmental Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	602	Active	Purgeable Aromatics in Wastewater by GC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Photoionization Detector	
USEPA	610	Active	Polynuclear Aromatic Hydrocarbons by GC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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BADRIVER		Bad River Tribe				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
BADRIVER	1001	Active	Specific Conductivity	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description		Collecting Specific Conductivity using a YSI-6920 Multiprobe following Standard Methods 2510 Conductivity.				
BADRIVER	1002	Active	Turbidity	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description		Turbidity using a YSI-6920 Multiprobe				
BADRIVER	1003	Active	Coliscan Easysgel Method for Bacteria	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		

Field/Lab Analytical Procedures and Equipment Detail

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BEAR_CRK Bear Creek Reservoir (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
BEAR CRK	365.A	Active	Phosphorus, total by Auto Ascorbic Acid (digest)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BEAR CRK	CHLOR-A	Active	Chlorophyll-a	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BEAR CRK	COND	Active	Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BEAR CRK	DOMETR	Active	Oxygen, gaseous	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BEAR CRK	FLOMTR	Active	Discharge Velocity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BEAR CRK	FLOW	Active	Instantaneous flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BEAR CRK	NO3	Active	Nitrate as Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BEAR CRK	PHMTR	Active	pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BEAR CRK	PHOSPART	Active	Phosphorus, total particulate	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BEAR CRK	SECCHI	Active	Secchi	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BEAR CRK	TEMP 001	Active	Field Determination of	Unknown, 19--, No Cite - Method Not Cited,		

Field/Lab Analytical Procedures and Equipment Detail

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BEAR_CRK		Bear Creek Reservoir (Colorado)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water Temperature, Probe	Unknown, Vol --		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(A)	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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BEAR_CRK		Bear Creek Reservoir (Colorado)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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BIGLAG		Big Lagoon Rancheria (California)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
BIGLAG	QAPP	Active	Quality Assurance Procedures and Policy	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Adopted Nat'l Procedures				

Field/Lab Analytical Procedures and Equipment Detail

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BLCKFOOT

Region 8 Superfund: Black Foot Post and Pole

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
BLCKFOOT	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BLCKFOOT	ILM05.3	Active	ILM05.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BLCKFOOT	OLC03	Active	OLC03	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BLCKFOOT	OLM04	Active	OLM04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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BMIC Bay Mills Indian Community						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
IDEXX	COLILERT-18	Active	Colilert-18 Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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BOUNTIFL Superfund Bountiful UT						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
BOUNTIFL	OLC03	Active	OLC03	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BOUNTIFL	OLM04.2	Active	CLP Organic Low/Medium Concentration Waters and Soils	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Reference: Superfund Analytical Services/Contract Laboratory Program http://www.epa.gov/superfund/programs/clp/index.htm						
BOUNTIFL	TO-15	Active	TO-15	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BOUNTIFL	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
HACH	8021	Active	Free Chlorine in Water by DPD	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	

Field/Lab Analytical Procedures and Equipment Detail

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BOUNTIFL

Superfund Bountiful UT

**Procedure
Source**

**Procedure
ID**

Status

**Procedure
Name**

Citation

Equipment

**Comparable
National
Procedure ID**

Field/Lab Analytical Procedures and Equipment Detail

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BRIGHTON		City of Brighton (Colorado)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3500-CU(B)	Active	Copper in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
BRIGHTON	FLOW	Active	Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
HACH	8038	Active	Ammonia Nitrogen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company,	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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BRIGHTON		City of Brighton (Colorado)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				2nd Edition		
HACH	8221	Active	Alkalinity by Buret Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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BUNKER Bunker Hill Mining and Metallurgical Complex						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D422	Active	Particle-Size Analysis of Soils	American Society for Testing of Materials, 1994, ASTM Standards. Soil and Rock (I), American Society for Testing and Materials, Vol 4.08	No equipment	
BUNKER	ABA	Active	Acid-Base Accounting	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	ALK-USGS	Active	Alkalinity and Associated Measurements, USGS Field Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		USGS - Techniques of Water-Resources Investigations Book 9 - Chapter 6.6				
BUNKER	AVS/SEM	Active	Acid Volatile Sulfides / Simult. Extractable Metals	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	BP-USGS	Active	Barometric Pressure, USGS Field Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		USGS - Techniques of Water-Resources Investigations Book 9 - Chapter 6.2				
BUNKER	DO-001	Active	Field Determination of Dissolved Oxygen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	DO-USGS	Active	Dissolved Oxygen, USGS Field Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		USGS - Techniques of Water-Resources Investigations Book 9 - Chapter 6.2				
BUNKER	FC-USGS	Active	Fecal Coliform, USGS Field Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		USGS - Techniques of Water-Resources Investigations Book 9 - Chapter 7.1				
BUNKER	FLOW-001	Active	Field Determination of Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	FLOW-AVG	Active	Field Determination of Average Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	FLOW-MAX	Active	Field Determination of Maximum Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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BUNKER Bunker Hill Mining and Metallurgical Complex						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
BUNKER	FLOW-USGS	Active	Field Determination of Flow by USGS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	I1229	Active	USGS Method I-1229-87 Chromium in filtered water, by DCP-AES	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-1229-87 Chromium in filtered water, by DCP-AES (Citation - Open-File Report 93-125, p. 59)				
BUNKER	I1630	Active	USGS Method I-1630-85 Potassium in filtered water by direct AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-1630-85 Potassium in filtered water by direct AAS (Citation - TWRI 5-A1/1989, p. 393)				
BUNKER	I1900	Active	USGS Method I-1900-85 Zinc in filtered water by direct AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-1900-85 Zinc in filtered water by direct AAS (Citation - TWRI 5-A1/1989, p. 507)				
BUNKER	I2063	Active	USGS Method I-2063-98 Arsenic in Filtered Water by GFAAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-2063-98 Arsenic in Filtered Water by GFAAS (Citation - Open-File Report 98-639)				
BUNKER	I2138	Active	USGS Method I-2138-89 Cadmium in filtered water, by GF-AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-2138-89 Cadmium in filtered water, by GF-AAS (Citation - Open-File Report 93-125, p. 53)				
BUNKER	I2274	Active	USGS Method I-2274-89 Copper in filtered water, by GF-AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-2274-89 Copper in filtered water, by GF-AAS (Citation - Open-File Report 93-125, p. 71)				
BUNKER	I2403	Active	USGS Method I-2403-89 Lead in filtered water, by GF-AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-2403-89 Lead in filtered water, by GF-AAS (Citation - Open-File Report 93-125, p. 87)				

Field/Lab Analytical Procedures and Equipment Detail

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BUNKER		Bunker Hill Mining and Metallurgical Complex					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
BUNKER	I2477	Active	USGS Method I-2477-92 Metals in Filtered Water by ICP-MS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	USGS Method I-2477-92 Metals in Filtered Water by ICP-MS (Citation - Open-File Report 99-093; OF 92-634)					
BUNKER	I2503	Active	USGS Method I-2503-89 Nickel in filtered water, by GF-AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	USGS Method I-2503-89 Nickel in filtered water, by GF-AAS (Citation - Open-File Report 93-125, p. 113)					
BUNKER	I2525	Active	USGS Method I-2525-89 Ammonia in low ionic strength water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	USGS Method I-2525-89 Ammonia in low ionic strength water, by salicylate-hypochlorite colorimetry and automated-segmented flow analyzer (Citation - Open-File Report 93-125, p. 119)					
BUNKER	I2542	Active	USGS Method I-2542-89 Nitrite in low ionic strength water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	USGS Method I-2542-89 Nitrite in low ionic strength water, by diazotization colorimetry and automated-segmented flow analyzer (Citation - Open-File Report 93-125, p. 137)					
BUNKER	I2545	Active	USGS Method I-2545-90 Nitrite plus nitrate in filtered water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	USGS Method I-2545-90 Nitrite plus nitrate in filtered water, by cadmium reduction-diazotization colorimetry and automated-segmented flow analyzer (Citation - Open-File Report 93-125, p. 157)					
BUNKER	I2546	Active	USGS Method I-2546-91 Nitrite plus nitrate in low ionic strength water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	USGS Method I-2546-91 Nitrite plus nitrate in low ionic strength water, by cadmium reduction-diazotization colorimetry and automated-segmented flow analyzer (Citation - Open-File Report 93-125, p. 149)					
BUNKER	I2587	Active	USGS Method I-2587-85 pH, lab, by automated glass electrode	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	USGS Method I-2587-85 pH, lab, by automated glass electrode (Citation - TWRI 5-A1/1989, p. 363)					

Field/Lab Analytical Procedures and Equipment Detail

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BUNKER

Bunker Hill Mining and Metallurgical Complex

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
BUNKER	I2606	Active	USGS Method I-2606-89 Orthophosphate in low ionic-strength water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		USGS Method I-2606-89 Orthophosphate in low ionic-strength water, by phosphomolybdate colorimetry and automated-segmented flow analyzer (Citation - Open-File Report 93-125, p. 191)			
BUNKER	I2607	Active	USGS Method I-2607-90 Phosphorus in low ionic-strength water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		USGS Method I-2607-90 Phosphorus in low ionic-strength water, by phosphomolybdate colorimetry and automated-segmented flow analyzer (Citation - Open-File Report 93-125, p. 175)			
BUNKER	I2610	Active	USGS Method I-2610-91 Total Phosphorus in Filtered Water by Kjeldahl Digestion	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		USGS Method I-2610-91 Total Phosphorus in Filtered Water by Kjeldahl Digestion (Citation - Open-File Report 92-146)			
BUNKER	I2667	Active	USGS Method I-2667-85 Selenium in filtered water by automated hydride generation and AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		USGS Method I-2667-85 Selenium in filtered water by automated hydride generation and AAS (Citation - TWRI 5-A1/1989, p. 403)			
BUNKER	I2668	Active	USGS Method I-2668-98 Selenium in Filtered Water by GFAAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		USGS Method I-2668-98 Selenium in Filtered Water by GFAAS (Citation - Open-File Report 98-639)			
BUNKER	I2724	Active	USGS Method I-2724-89 Silver in filtered water, by GF-AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		USGS Method I-2724-89 Silver in filtered water, by GF-AAS (Citation - Open-File Report 93-125, p. 203)			
BUNKER	I2781	Active	USGS Method I-2781-85 Specific conductance, lab, automated, by Wheatstone bridge	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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BUNKER

Bunker Hill Mining and Metallurgical Complex

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	Description	USGS Method I-2781-85 Specific conductance, lab, automated, by Wheatstone bridge (Citation - TWRI 5-A1/1989, p. 461)				
BUNKER	I3492	Active	USGS Method I-3492-96 Molybdenum Recoverable from Unfiltered Water by GFAAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-3492-96 Molybdenum Recoverable from Unfiltered Water by GFAAS (Citation - Open-File Report 97-198)				
BUNKER	I3630	Active	USGS Method I-3630-85 Potassium recoverable from unfiltered water by dilute HCl digestion and direct AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-3630-85 Potassium recoverable from unfiltered water by dilute HCl digestion and direct AAS (Citation - TWRI 5-A1/1989, p. 393)				
BUNKER	I3735	Active	USGS Method I-3735-85 Sodium recoverable from unfiltered water by dilute HCl digestion and direct AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-3735-85 Sodium recoverable from unfiltered water by dilute HCl digestion and direct AAS (Citation - TWRI 5-A1/1989, p. 425)				
BUNKER	I3800	Active	USGS Method I-3800-85 Strontium recoverable from unfiltered water by dilute HCl digestion and direct AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-3800-85 Strontium recoverable from unfiltered water by dilute HCl digestion and direct AAS (Citation - TWRI 5-A1/1989, p. 465)				
BUNKER	I3900	Active	USGS Method I-3900-85 Zinc recoverable from unfiltered water by dilute HCl digestion and direct AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-3900-85 Zinc recoverable from unfiltered water by dilute HCl digestion and direct AAS (Citation - TWRI 5-A1/1989, p. 507)				
BUNKER	I4063	Active	USGS Method I-4063-98 Arsenic Recoverable from Unfiltered Water by GFAAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-4063-98 Arsenic Recoverable from Unfiltered Water by GFAAS (Citation - Open-File Report 98-639)				
BUNKER	I4138	Active	USGS Method I-4138-89	Unknown, 19--, No Cite - Method Not Cited,		

Field/Lab Analytical Procedures and Equipment Detail

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BUNKER		Bunker Hill Mining and Metallurgical Complex				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Cadmium in unfiltered water, by GF-AAS	Unknown, Vol --		
	Description	USGS Method I-4138-89	Cadmium in unfiltered water, by GF-AAS (Citation - Open-File Report 93-125, p. 53)			
BUNKER	I4243	Active	USGS Method I-4243-89 Cobalt recoverable from unfiltered water, by GF-AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-4243-89	Cobalt recoverable from unfiltered water, by GF-AAS (Citation - Open-File Report 93-125, p. 65)			
BUNKER	I4403	Active	USGS Method I-4403-89 Lead recoverable from unfiltered water, by GF-AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-4403-89	Lead recoverable from unfiltered water, by GF-AAS (Citation - Open-File Report 93-125, p. 87)			
BUNKER	I4471	Active	USGS Method I-4471-97 Metals Recoverable from Unfiltered Water ICP-OES or ICP-MS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-4471-97	Metals Recoverable from Unfiltered Water ICP-OES or ICP-MS (Citation - Open-File Report 99-464; OF 98-165)			
BUNKER	I4503	Active	USGS Method I-4503-89 Nickel recoverable from unfiltered water, by GF-AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-4503-89	Nickel recoverable from unfiltered water, by GF-AAS (Citation - Open-File Report 93-125, p. 113)			
BUNKER	I4515	Active	USGS Method I-4515-91 Kjeldahl nitrogen in unfiltered water by mercury(II)-catalyzed digestion and colorimetric analysis	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-4515-91 170)	Kjeldahl nitrogen in unfiltered water by mercury(II)-catalyzed digestion and colorimetric analysis (Citation - Open-File Report 00-			
BUNKER	I4600	Active	USGS Method I-4600-85 Phosphorus in unfiltered water by ASF phosphomolybdate	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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BUNKER		Bunker Hill Mining and Metallurgical Complex				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			formation and colorimetry			
	Description	USGS Method I-4600-85 Phosphorus in unfiltered water by ASF phosphomolybdate formation and colorimetry (Citation - TWRI 5-A1/1989, p. 367)				
BUNKER	I4607	Active	USGS Method I-4607-90 Total Phosphorus in water, by phosphomolybdate colorimetry and automated- segmented flow analyzer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-4607-90 Phosphorus, total in unfiltered water, by phosphomolybdate colorimetry and automated-segmented flow analyzer (Citation - Open-File Report 93-125, p. 175)				
BUNKER	I4610	Active	USGS Method I-4610-91 Total Phosphorus in Unfiltered Water by Kjeldahl Digestion	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-4610-91 Total Phosphorus in Unfiltered Water by Kjeldahl Digestion (Citation - Open-File Report 92-146)				
BUNKER	I4668	Active	USGS Method I-4668-98 Selenium Recoverable from Unfiltered Water by GFAAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-4668-98 Selenium Recoverable from Unfiltered Water by GFAAS (Citation - Open-File Report 98-639)				
BUNKER	I4724	Active	USGS Method I-4724-89 Silver, recoverable from unfiltered water, by GF-AAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS Method I-4724-89 Silver, recoverable from unfiltered water, by GF-AAS (Citation - Open-File Report 93-125, p. 203)				
BUNKER	I8000	Active	USGS Forty Element ICP- AES	Paul H. Briggs, 2002, Analytical Methods for Chemical Analysis of Geologic and Other Materials , USGS, Report 02-223-G pp20		
BUNKER	IN-CLP	Active	Metals by CLP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	IN-CLP- LOW	Active	Metals by CLP Low Conc.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	LIM-USGS	Active	Limnology, USGS Field	Unknown, 19--, No Cite - Method Not Cited,		

Field/Lab Analytical Procedures and Equipment Detail

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BUNKER		Bunker Hill Mining and Metallurgical Complex					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
			Method	Unknown, Vol --			
	Description	Hutchinson, G.E., 1957, A Treatise on Limnology, Vol 1, p.399-403					
BUNKER	O1100	Active	USGS Method O-1100-83 Carbon, organic, dissolved, wet oxidation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	USGS Method O-1100-83 Carbon, organic, dissolved, wet oxidation (Citation - TWRI B5-A3/1987, p. 14; Open-File Report 82-1004, p. 22)					
BUNKER	OBS-USGS	Active	Direct Observation by USGS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	Direct Observation					
BUNKER	PH-001	Active	Field Determination of pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
BUNKER	PH-USGS	Active	pH, USGS Field Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	USGS - Techniques of Water-Resources Investigations Book 9 - Chapter 6.4					
BUNKER	PURGERT	Active	Purge Rate Determination	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
BUNKER	REDOX-001	Active	Field Determination of Oxygen Reduction Potential	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
BUNKER	SAL-001	Active	Field Determination of Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
BUNKER	SC-001	Active	Field Determination of Specific Conductivity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
BUNKER	SC-USGS	Active	Specific Conductance, USGS Field Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	USGS - Techniques of Water-Resources Investigations Book 9 - Chapter 6.3					
BUNKER	SOL-USGS	Active	Solar Measurements, USGS Field Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	Wetzel, R.G. and Likens, G.E., 1990, Limnological Analyses, 2nd ed.: New York, Springer-Verlag, 391 p.					

Field/Lab Analytical Procedures and Equipment Detail

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BUNKER

Bunker Hill Mining and Metallurgical Complex

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
BUNKER	SULFUR	Active	Speciated Sulfur	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	TEMP-001	Active	Field Determination of Water Temperature, Probe	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	TEMP-USGS	Active	Temperature, USGS Field Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS - Techniques of Water-Resources Investigations Book 9 - Chapter 6.1				
BUNKER	TRB-001	Active	Field Determination of Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
BUNKER	UNK-CH2M	Active	Unknown Method for CH2M Hill Data	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Box data from CH2M Hill with non-identifiable methods for many analytes.				
BUNKER	USGS_HIST	Active	Historical Profile of Quality of Water Laboratories and Activities, 1879-1973	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Historical Profile of Quality of Water Laboratories and Activities, 1879-1973 (Citation - USGS Open-File Report 78-432: Historical Profile of Quality of Water Laboratories and Activities, 1879-1973)				
BUNKER	USGS_UNKN	Active	Unspecified USGS Laboratory Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Unspecified USGS Laboratory Method (Citation - Open-File Report 96-337)				
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	150.2	Active	pH by Continuous Monitoring	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with	

Field/Lab Analytical Procedures and Equipment Detail

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BUNKER Hill Mining and Metallurgical Complex						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.1_M	Active	Mercury in Water by Manual CVAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.5	Active	Mercury in Sediment by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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CABEACH

California State Water Resources Control Board

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
IDEXX	COLILERT	Active	Colilert Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
IDEXX	COLILERT-18	Active	Colilert-18 Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
IDEXX	COLILERT-	Active	Colilert-18 Quanti-	American Public Health Association, 1998,		

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CABEACH

California State Water Resources Control Board

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	182000		Tray/2000; MPN - Multi Tube, Multi Well for E.coli	Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
IDEXX	COLILERT/2000	Active	Colilert Quanti-Tray/2000; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
IDEXX	ENTEROLE RT	Active	Enterolert Quanti-Tray; Multi Tube, Multi Well, for Enterococci	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
IDEXX	ENTEROLE RT2000	Active	Enterolert Quanti-Tray/2000; Multi Tube, Multi Well, for Enterococci	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		

Field/Lab Analytical Procedures and Equipment Detail

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CADPR

California Department of Pesticide Regulation Surface Water

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CADPR	DPR-001	Active	dpr pesticide methods	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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CADWR California Department of Water Resources						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3111-C	Active	Metals in Water by FLAA-Extraction/Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3114-C	Active	Metals in Water by Continuous HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Hydride Atomic Absorption Spectrophotometer	
APHA	3500-AS(C)	Active	Arsenic in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-CL(B)	Active	Residual Chlorine in Water	American Public Health Association, 1992,	Titration	

Field/Lab Analytical Procedures and Equipment Detail

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CADWR		California Department of Water Resources				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			by Titration- Iodometric Method I	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500- NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-D	Active	Phosphorus in Water by Stannous Chloride Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SI(D)	Active	Silica in Water by Spectrophotometry- Molybdosilicate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection- related equipment(eg color charts)	
CADWR	353.2 DWR	Active	DWR modification of EPA	Unknown, 19--, No Cite - Method Not Cited,		

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CADWR California Department of Water Resources						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	MOD		353.2	Unknown, Vol --		
CADWR	365.1 DWR MOD	Active	DWR Modification of EPA 365.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CADWR	CADWR-001	Active	Method for Tide Stage Code	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CADWR	CADWR-002	Active	1% Light depth	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CADWR	CADWR-003	Active	Depth of Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CADWR	CADWR-004	Active	Fluorescence	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CADWR	CADWR-005	Active	Method for Stream Stage	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CADWR	CADWR-006	Active	Secchi disk depth	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CADWR	CADWR-007	Active	Tide	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CADWR	CADWR-008	Active	Method for Field Identification	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USDOI/USGS	I1700	Active	Silica in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of	Laboratory	

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CADWR California Department of Water Resources						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.2	Active	Iron by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

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CADWR California Department of Water Resources						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	243.2	Active	Manganese by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	289.2	Active	Zinc by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(A)	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

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CADWR California Department of Water Resources						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	350.2(C)	Active	Ammonia Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(B)	Active	Total Kjeldahl Nitrogen - Nesslerization	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	608	Active	Organochlorine Pesticides	USEPA, 19--., Guidelines Establishing Test	GC with	

Field/Lab Analytical Procedures and Equipment Detail

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CADWR

California Department of Water Resources

**Procedure
Source**

**Procedure
ID**

Status

**Procedure
Name**

Citation

Equipment

**Comparable
National
Procedure ID**

and PCBs by GC

Procedures for the Analysis of Pollutants.,
USEPA, 40 CFR Part 136

Electrolytic
Conductivity
Detector

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CAFRESNO		Fresno River Water Quality Monitoring				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(C)	Active	Ammonia in Water by Titrimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO3(C)	Active	Nitrate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
CAFRESNO	8075	Active	Hach Total Kjeldahl Nitrogen	Unknown, 19--, No Cite - Method Not Cited,		

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CAFRESNO Fresno River Water Quality Monitoring						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Unknown, Vol --		
CAFRESNO	YSI85	Active	YSI85 Temperature Probe	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	

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CALSWAMP

CA Surface Water Monitoring Program (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-B-B	Active	Boron in Water by Spectrophotometry-Curcumin Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
ASTM	D3977	Active	Suspended-Sediment in	American Society for Testing of Materials, 1994,	Laboratory	

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CALSWAMP

CA Surface Water Monitoring Program (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water	ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Balance	
ASTM	D422	Active	Particle-Size Analysis of Soils	American Society for Testing of Materials, 1994, ASTM Standards. Soil and Rock (I), American Society for Testing and Materials, Vol 4.08	No equipment	
CALSWAMP	10200H-2A	Active	Spectrophotometric determination of Pheophytin a	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
Description Equivalent to standard methods 10200-H						
CALSWAMP	10200H-2B	Active	Spectrophotometric determination of Chlorophyll a	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
Description Equivalent to standard methods 10200-H						
CALSWAMP	1631B	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
Description Version of EPA method 1631 used						
CALSWAMP	1631EM	Active	Modified Mercury in Water by Oxidation, Purge and Trap, and CVAFS	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
Description Modification of EPA method 1631						
CALSWAMP	1638M	Active	Modified Trace Elements in Water by ICP/MS	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
Description Modification of EPA Method 1638						
CALSWAMP	200.7	Active	Metals in Water and	SWAMP Data Management Team, 2005, Surface		

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CALSWAMP

CA Surface Water Monitoring Program (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Sediment by ICP-AES	Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	Method used for both sediment and water samples				
CALSWAMP	200.8(D)	Active	Metals in Waters and Sediment by ICP/MS	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	method used for both sediment and water samples				
CALSWAMP	2320-B	Active	Alkalinity in Water by Titration	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	Test method B for 2320 in the standard methods manual				
CALSWAMP	2340-C	Active	Hardness in Water by EDTA Titration	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	Test method C for 2340 in the standard methods manual				
CALSWAMP	445.0M	Active	Modified In-Vitro Determination of Chlorophyll	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	Modification of standard method 445				
CALSWAMP	604M	Active	Modified Phenols in Wasterwater by GC/FID or GC/ECD	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	Modification of EPA methods 604(A) and 604(B)				
CALSWAMP	619M	Active	Modified Triazine Pesticides in Wastewater	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab,		

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CALSWAMP

CA Surface Water Monitoring Program (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				All		
	Description	Modification of EPA method 619				
CALSWAMP	7742M	Active	Modified Selenium by Gaseous Borohydride AA	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	Modification of EPA Method 7742				
CALSWAMP	8015M	Active	Modification of Non-Halogenated Volatile Organics	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	Modification of EPA method 8015A				
CALSWAMP	8081AM	Active	Modification of Organochlorine Pesticides and PCB's by GC	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	Modification of EPA methods 8081A(SNB), 8081A(SWB), 8081A(WNB), 8081(WWB)				
CALSWAMP	8082M	Active	Modification of PCB's as Aroclors by Capillary Column GC	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	Modification of EPA methods 8082(S) and 8082(W)				
CALSWAMP	8141AM	Active	Modified Organophosphorus Compounds	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
	Description	Modification of EPA methods 8141A(W) and 8141A(S)				
CALSWAMP	8260	Active	Volatile Organics by GC/MS	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		

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CALSWAMP

CA Surface Water Monitoring Program (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CALSWAMP	8270M	Active	Modification of Semivolitale Organics in Water by GC/MS	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
Description Modification of EPA method 8270(W)						
CALSWAMP	8310M	Active	Modifcation of Polynuclear Aromatic Hydrocarbons	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
Description Modification of EPA method 8310						
CALSWAMP	DFG_SOP_103	Active	Department of Fish & Game Metals and Trace Elements	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
CALSWAMP	ELISA_SOP_3.3	Active	Department of Fish & Game Pesticides Method	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
CALSWAMP	FIELD OBS	Active	Field Observations	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CALSWAMP	NONE	Active	None	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CALSWAMP	PCB-NEWMAN	Active	PCB Methods Referenced by Newman et al	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
Description Newman, et al., 1988 (Vol.17, #11, pg 2159)						
CALSWAMP	PROBE	Active	Probe	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CALSWAMP	QC_101070 41B	Active	QC Method for Nitrate and Nitrite Anions	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab,		

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CALSWAMP CA Surface Water Monitoring Program (California)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				All		
CALSWAMP	QC_101070 62E	Active	QC Method for Total Kjeldahl Nitrogen	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
CALSWAMP	QC_101150 11D	Active	QC Nutrients Method for Phosphorus	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
CALSWAMP	QC_101150 11M	Active	QC Nutrients Method for Ortho-phosphate as P	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
CALSWAMP	QC_103033 11A	Active	Miscellaneous Lab Analysis	SWAMP Data Management Team, 2005, Surface Water Ambient Monitoring Program Information Management Plan, Marine Pollution Studies Lab, All		
HACH	8507	Active	Nitrite in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	314	Active	Perchlorate in Drinking Water using Ion Chromatography	USEPA, 2000, Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, vol 1., USEPA, 815/R-00-014		

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CALSWAMP

CA Surface Water Monitoring Program (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	8270B(W)	Active	Semivolatile Organics in Water by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8310	Active	Polynuclear Aromatic Hydrocarbons	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	

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CAPECRD		City of Cape Coral (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2580	Active	Oxidation-Reduction	American Public Health Association, 1992,	pH meter	

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CAPECRD		City of Cape Coral (Florida)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Potential of Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	3111-E	Active	Metals in Water by FLAA-Extraction/Nitrous Oxide-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3112-B	Active	Mercury in Water by CVAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Cold Vapor Atomic Absorption Spectrophotometer	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(E)	Active	Ammonia in Water by Selective Electrode Method (Known Addition)	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(E)	Active	Nitrate in Water- Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	

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CAPECRD		City of Cape Coral (Florida)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
ASTM	D1125(A)	Active	Conductivity and Resistivity in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Conductivity Bridge	
ASTM	D1125(B)	Active	Conductivity and Resistivity in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Conductivity Bridge	
ASTM	D1293(A)	Active	pH of Water By Precise Lab Measurement	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	pH meter	
ASTM	D1293(B)	Active	pH of Water By Routine Measurement	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	pH meter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D1889	Active	Turbidity of Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Turbidimeter	
ASTM	D5089	Active	Velocity of Water,electromagnetic meters	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Electromagnetic Current Meter	
ASTM	D888(B)	Active	Dissolved Oxygen by Instrumental Probe	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Ion Selective Electrode	
CAPECRD	DEPTH	Active	Depth	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CAPECRD	HM-PONAR	Active	Benthic Dredge sediment sample	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CAPECRD	NO3N	Active	NO3 Nitrogen (Calculated NOXN-NO2N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CAPECRD	NOXN	Active	Nitrogen, NOx calculated	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CAPECRD	OPO4	Active	Phosphorus, Orthophosphate	USEPA, 1995, Environmental Monitoring and Assessment Program (EMAP) Laboratory Methods Manual Estuaries, vol 1: Biological and Physic, USEPA, EPA 620/R-95-008		USEPA/365.2
CAPECRD	ORGN	Active	Organic Nitrogen (Calculated TKN-NH3N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CAPECRD	ORGP	Active	Organic Phosphorous (Calculated Total PO4-Ortho PO4)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CAPECRD	SECCHI DISK	Active	Secchi Disk Depth	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
CAPECRD	TOT N	Active	Total Nitrogen (NOx+TKN)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
NIOSH	2510	Active	1-Octanethiol by GC/FPD	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	
NIOSH	7020	Active	Calcium by Atomic Absorption	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	Flame Atomic Absorption Spectrophotomet er	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I,	Inductively Coupled Plasma	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600-R-94-111	Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	206.3	Active	Arsenic by HYDAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Hydride Atomic Absorption Spectrophotometer	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of	Flame Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
				Water and Wastes, USEPA, EPA 600/4-79-020	Absorption Spectrophotomet er	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotomet er	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotomet er	
USEPA	245.5	Active	Mercury in Sediment by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotomet er	
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet er	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet er	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of	Titration	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Apparatus	
USEPA	350.2(C)	Active	Ammonia Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	7020	Active	Aluminum by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7060A	Active	Arsenic by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Graphite Furnace Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
				Edition, Final Update II., USEPA, SW-846_II	Absorption Spectrophotomet er	
USEPA	7061A	Active	Arsenic by Gaseous Hydride AA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Hydride Atomic Absorption Spectrophotomet er	
USEPA	7130	Active	Cadmium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotomet er	
USEPA	7131A	Active	Cadmium by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Graphite Furnace Atomic Absorption Spectrophotomet er	
USEPA	7190	Active	Chromium by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotomet er	
USEPA	7191	Active	Chromium by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotomet er	
USEPA	7210	Active	Copper by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotomet er	
USEPA	7211	Active	Copper by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotomet er	

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CAPECRD		City of Cape Coral (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	7380	Active	Iron by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7381	Active	Iron by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7420	Active	Lead by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7421	Active	Lead by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7520	Active	Nickel by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer	
USEPA	7950	Active	Zinc by FLAA	USEPA, 1986, Test Methods for Evaluating Solid	Flame Atomic	

Field/Lab Analytical Procedures and Equipment Detail

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CAPECRD		City of Cape Coral (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Absorption Spectrophotometer	
USEPA	7951	Active	Zinc by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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CCAMP Central Coast Ambient Monitoring Program (California)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-D	Active	Estimation of Bacterial Density- MPN Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
CCAMP	CCAMP02	Active	Field Sampling Procedure?	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CCAMP	CCAMP_AP 001	Active	Water Quality Multi-probe	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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CCAMP

Central Coast Ambient Monitoring Program (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water, USEPA, CLP_WQP		
USEPA	365_M	Active	Phosphorus in Water by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Photometer	

Field/Lab Analytical Procedures and Equipment Detail

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CENTREAL

Century Reality/Schreuder, Inc.

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CENTREAL	2510B	Active	Specific Conductance	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
CENTREAL	DS	Active	Dissolved Solids - Field measurement	SOP-001/01 - FDEP Environmental Assessment Section, Feb.1 2004, Department of Environmental Protection Standard Operating Procedures for field activities DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1 2004 Revision		
CENTREAL	FL-PRO	Active	Hydrocarbons, Petroleum (Unspecified Mix)	SOP-SV-007 - Florida Department of Environmental Protection, June 12, 2007, Analysis of Petroleum-Range Organics by GC-FID (FL-PRO Method) DEP SOP - SV-007-3.8 , Florida Department of Environmental Protection, SV-007-3.8		
CENTREAL	FT_1100	Active	Field Measurement of Hydrogen Ion Activity (pH)	SOP-001/01 - FDEP Environmental Assessment Section, Feb.1 2004, Department of Environmental Protection Standard Operating Procedures for field activities DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1 2004 Revision		
CENTREAL	FT_1200	Active	Field Measurement of Specific Conductance	SOP-001/01 - FDEP Environmental Assessment Section, Feb.1 2004, Department of Environmental Protection Standard Operating Procedures for field activities DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1 2004 Revision		
CENTREAL	FT_1400	Active	Field Measurement of Temperature	SOP-001/01 - FDEP Environmental Assessment Section, Feb.1 2004, Department of Environmental Protection Standard Operating Procedures for field activities DEP-SOP-001/01, Florida Department of Environmental Protection, Feb.1 2004 Revision		

Field/Lab Analytical Procedures and Equipment Detail

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CENTREAL

Century Reality/Schreuder, Inc.

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CENTREAL	TN	Active	Total Nitrogen - Calculated	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Addition of values for Nitrate, Nitrite, and ammonia						
USEPA	00-02	Active	Gross Alpha Activity in Drinking Water by Coprecipitation	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	900	Active	Gross Alpha and Beta Activity in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	
USEPA	9040A	Active	pH in Water by Electrometric Measurement	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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CENTREAL

Century Reality/Schreuder, Inc.

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	C-017-1	Active	Water Level Measurement in Wells	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Generic method-specific equipment	

Field/Lab Analytical Procedures and Equipment Detail

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CENWWEDH

U.S. Army Corps of Engineers Walla Walla District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2810	Active	Dissolved Gas Supersaturation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Membrane-Diffusion Apparatus	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	4500-CL(B)	Active	Residual Chlorine in Water	American Public Health Association, 1992,	Titration	

Field/Lab Analytical Procedures and Equipment Detail

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CENWWEDH

U.S. Army Corps of Engineers Walla Walla District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			by Titration- Iodometric Method I	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO2(C)	Active	Nitrite in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-NO3(G)	Active	Nitrate in Water- Titanous Chloride Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Potentiometer	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-P-C	Active	Phosphorus in Water by Vanadomolybdophosphoric Acid Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SI(F)	Active	Silica in Water by	American Public Health Association, 1992,	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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CENWWEDH

U.S. Army Corps of Engineers Walla Walla District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Automated Colorimetry	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	4500-SO4(F)	Active	Sulfate in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
ASTM	D1293(B)	Active	pH of Water By Routine Measurement	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	pH meter	
ASTM	D1889	Active	Turbidity of Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Turbidimeter	
ASTM	D3858	Active	Open-Channel Flow Measurement by Area	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	No equipment	
ASTM	D3977	Active	Suspended-Sediment in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	

Field/Lab Analytical Procedures and Equipment Detail

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CENWWEDH

U.S. Army Corps of Engineers Walla Walla District

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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CHATFLD Chatfield Reservoir (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
ASTM	D422	Active	Particle-Size Analysis of Soils	American Society for Testing of Materials, 1994, ASTM Standards. Soil and Rock (I), American Society for Testing and Materials, Vol 4.08	No equipment	
CHATFLD	200.7 (W)	Active	Metals in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	3500 CR-D	Active	Hexavalent Chromium	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	ASA NO.9 29	Active	Carbon, Total organic (TOC)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	CHATFLD	Active	Cyanide (SM4500-CN)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	CHLOROPHYLL A	Active	Chlorophyll a	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	COND	Active	Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Meter	
CHATFLD	FIELD	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	FLOW	Active	Flow, instantaneous	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Human Eye	
CHATFLD	HACH 8039	Active	Field Nitrate Nitrogen Measurement	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	HACH 8048	Active	Phosphorus	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	HORRIBU	Active	Specific Conductance Field Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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CHATFLD Chatfield Reservoir (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CHATFLD	HORRIBU U-10	Active	Dissolved Oxygen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	M365.1	Active	Phosphorus, total by Auto Ascorbic Acid (digest)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	M6010B ICP	Active	Metals in Soil	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	M7471 CVAA	Active	Mercury in Soil	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	M7742	Active	Modified, AA-H Total Selenium in Soil	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	NO(3NO2)-N02	Active	Nitrate as N, dissolved	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	NO3(N)	Active	Nitrate as N, dissolved	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	No equipment	
CHATFLD	PERSULFT DIGEST	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	PH	Active	pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
CHATFLD	SM22340B	Active	Hardness	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	SM3500-SE	Active	Selenium, dissolved	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHATFLD	TEMP	Active	Temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
CHATFLD	TOTALK	Active	Alkalinity, Total	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	

Field/Lab Analytical Procedures and Equipment Detail

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CHATFLD		Chatfield Reservoir (Colorado)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter		
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)		
USEPA	200.7(W)	Susp	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome		
USEPA	206.2	Susp	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		

Field/Lab Analytical Procedures and Equipment Detail

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CHATFLD

Chatfield Reservoir (Colorado)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	245.1	Susp	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	310.1	Susp	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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CHEROKEE

Cherokee Nation (Oklahoma)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CHEROKEE	CN_QAPP	Active	Cherokee Nation Quality Assurance Project Plan	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Cherokee Nation Quality Assurance Project Plan				

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHB

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	4500-SI(F)	Active	Silica in Water by Automated Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
CHNEPCHB	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Total Nitrogen				

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHB

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CHNEPCHB	PAR	Active	PAR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an	USEPA, 1983, Methods for Chemical Analysis of	Ion Selective	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHB

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			ISE	Water and Wastes, USEPA, EPA 600/4-79-020	Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHE

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
CHNEPCHE	NTOT	Active	Total Nitrogen	CHNEP - r amllroy, 2004, chnep procedures, chnep, 0-0		
CHNEPCHE	PAR	Active	Light	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	300(A)	Active	Inorganic Anions by Ion	USEPA, 1993, Methods for the Determination of	Ion	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHE

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Chromatography	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHE

Charlotte Harbor National Estuaries Program (Florida)

**Procedure
Source**

**Procedure
ID**

Status

**Procedure
Name**

Citation

Equipment

**Comparable
National
Procedure ID**

Spectrophotome

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHP

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-C	Active	Salinity in Water- Density Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHP

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
CHNEPCHP	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHNEPCHP	PAR	Active	PAR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by	USEPA, 1993, Methods for the Determination of	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHP

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Inductively Coupled Plasma	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHP

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update I., USEPA, SW-846_I	Combined with Mass Spectrophotome	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHW

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
CHNEPCHW	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHNEPCHW	PAR	Active	PAR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	300(A)	Active	Inorganic Anions by Ion	USEPA, 1993, Methods for the Determination of	Ion	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHW

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Chromatography	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPCHW

Charlotte Harbor National Estuaries Program (Florida)

**Procedure
Source**

**Procedure
ID**

Status

**Procedure
Name**

Citation

Equipment

**Comparable
National
Procedure ID**

Spectrophotome

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPEB

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	4500-SI(F)	Active	Silica in Water by Automated Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
CHNEPEB	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHNEPEB	PAR	Active	PAR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of	Colorimeter	

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CHNEPEB

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPLLB

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
CHNEPLLB	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHNEPLLB	PAR	Active	Light	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	300(A)	Active	Inorganic Anions by Ion	USEPA, 1993, Methods for the Determination of	Ion	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPLLB

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Chromatography	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPLL

Charlotte Harbor National Estuaries Program (Florida)

**Procedure
Source**

**Procedure
ID**

Status

**Procedure
Name**

Citation

Equipment

**Comparable
National
Procedure ID**

Spectrophotome

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPMP

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO3(B)	Active	Nitrate in Water by Ultraviolet Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ultraviolet Spectrophotometer	
APHA	4500-	Active	Total Kjeldahl Nitrogen in	Unknown, 19--, No Cite - Method Not Cited,	Generic	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPMP

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	NOR(B)		Water	Unknown, Vol --	inspection-related equipment(eg color charts)	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	5310-D	Active	Total Organic Carbon in Water- Wet-Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
CHNEPMP	PAR	Active	Par	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPPIS

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	4500-SI(F)	Active	Silica in Water by Automated Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
CHNEPPIS	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		TKN + NOX				

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPPIS

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CHNEPPIS	PAR	Active	PAR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an	USEPA, 1983, Methods for Chemical Analysis of	Ion Selective	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPPIS

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			ISE	Water and Wastes, USEPA, EPA 600/4-79-020	Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPSCB

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
CHNEPSCB	NTOT	Active	Total nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHNEPSCB	PAR	Active	Light	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPSCB

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPTCR

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	4500-SI(F)	Active	Silica in Water by Automated Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
CHNEPTCR	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHNEPTCR	PAR	Active	PAR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPTCR

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPTCR

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPTMR

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
CHNEPTMR	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHNEPTMR	PAR	Active	Light	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	300(A)	Active	Inorganic Anions by Ion	USEPA, 1993, Methods for the Determination of	Ion	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPTMR

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Chromatography	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPTMR

Charlotte Harbor National Estuaries Program (Florida)

**Procedure
Source**

**Procedure
ID**

Status

**Procedure
Name**

Citation

Equipment

**Comparable
National
Procedure ID**

Spectrophotome

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPTR

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
CHNEPTR	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CHNEPTR	PAR	Active	Light	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	300(A)	Active	Inorganic Anions by Ion	USEPA, 1993, Methods for the Determination of	Ion	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPTR

Charlotte Harbor National Estuaries Program (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Chromatography	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass	

Field/Lab Analytical Procedures and Equipment Detail

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CHNEPTR

Charlotte Harbor National Estuaries Program (Florida)

**Procedure
Source**

**Procedure
ID**

Status

**Procedure
Name**

Citation

Equipment

**Comparable
National
Procedure ID**

Spectrophotome

Field/Lab Analytical Procedures and Equipment Detail

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CIKEEPAK

Cook Inlet Keeper (Alaska)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2580	Active	Oxidation-Reduction Potential of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NO3(E)	Active	Nitrate in Water- Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-O-C	Active	Total Dissolved Oxygen by Titration- Azide Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by	American Public Health Association, 1992,	Ion Selective	

Field/Lab Analytical Procedures and Equipment Detail

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CIKEEPAK

Cook Inlet Keeper (Alaska)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Membrane Electrode Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
CIKEEPAK	AK101	Active	Gasoline Range Organics (GRO) - by GCFID: 25-1,000,000,000	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		State of Alaska				
CIKEEPAK	AK102	Active	Diesel Range Organics (DRO) - by GCFID: 50-1,000,000	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		State of Alaska				
CIKEEPAK	AK103	Active	Residual Range Organics (RRO) by GCFID: 500-1,000,000	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		State of Alaska				
CIKEEPAK	CIK-001	Active	Hanna Water Test Meter	CIK-HANNA - Hanna Instruments, 1996, Hanna Instruments, The Water Analysis Handbook., Woonsocket, RI, 1,1		
Description		An electronic meter which measures temperature, pH, conductivity and oxidation reduction potential.				
CIKEEPAK	CIK-002	Active	Turbidity-Secchi Disk Depth (LaMotte 0171)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Human Eye	
CIKEEPAK	CIK-003	Active	Coliscan for Coliform	CIK-COLI - Micrology Laboratories, LLC, 1996, Coliscan for Coliform and Fecal Coliform Testing,	Human Eye	

Field/Lab Analytical Procedures and Equipment Detail

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CIKEEPAK

Cook Inlet Keeper (Alaska)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Micrology Laboratories, Goshen, IN, 1,1						
Description Simple, accurate, quantitative way to identify and differentiate coliforms and fecal coliforms from other bacteria. Incorporates two special chromogenic substrates which are acted upon by the presence of enzymes galactosidase and glucuronidase to produce pigments of contrasting colors. Add a test sample to the medium, pour into petri dish and incubate at room temp. General coliforms will be pink, fecal coliforms will be purple.						
CIKEEPAK	CIK-004	Active	Apparent Color - Boger Color System (LaMotte)	CIK-BOGER - LaMotte Chemical Products, 1992, Boger Color System booklet, LaMotte, Cat. 1580,1	Human Eye	
Description Compare color to color chart in Boger book						
CIKEEPAK	CIK-005	Active	Nitrogen-Nitrate - Cadmium Reduction (Chemetrics 6902)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CIKEEPAK	CIK-006	Active	Apparent Color - Platinum-Cobalt (Hach 8025)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CIKEEPAK	CIK-007	Active	Nitrogen-Nitrate - Cadmium Reduction (Hach 8192)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CIKEEPAK	CIK-008	Active	Nitrogen-Nitrate Zinc Reduction (LaMotte 3354)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CIKEEPAK	CIK-009	Active	Orthophosphate - Ascorbic Acid (LaMotte 3121)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CIKEEPAK	CIK-010	Active	pH Octet Comparator (LaMotte 5858)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CIKEEPAK	CIK-011	Active	Tot Phosphorus in Water - Tot Acid Persulfate Digestion (Hach 8190)	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
CIKEEPAK	CIK-012	Active	Salinity - Hydrometer (LaMotte 3-00011)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CIKEEPAK	CIK-013	Active	Suspended Solids - Photometric (Hach 8006)	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		

Field/Lab Analytical Procedures and Equipment Detail

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CIKEEPAK

Cook Inlet Keeper (Alaska)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
HACH	8038	Active	Ammonia Nitrogen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8048	Active	Reactive Phosphorus in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.5	Active	Settleable Matter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by	USEPA, 1983, Methods for Chemical Analysis of	Titration	

Field/Lab Analytical Procedures and Equipment Detail

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CIKEEPAK

Cook Inlet Keeper (Alaska)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Winkler Technique	Water and Wastes, USEPA, EPA 600/4-79-020	Apparatus	
USEPA	8021A(ELC D)	Active	Halogenated and Aromatic Volatiles	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Electrolytic Conductivity Detector	
USEPA	8021A(PID)	Active	Halo and Aromatic Volatiles - CGC/PID	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Photoionization Detector	

Field/Lab Analytical Procedures and Equipment Detail

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CITYFTCO		City of Fort Collins (Colorado)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge		
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer		
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter		
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer		
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome		
USEPA	212.3	Active	Boron by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter		
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		

Field/Lab Analytical Procedures and Equipment Detail

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CITYFTCO		City of Fort Collins (Colorado)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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CITYOFPG		City of Punta Gorda (Florida)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
APHA	2120-C	Active	Color in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer		
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge		
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge		
APHA	2520-C	Active	Salinity in Water- Density Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)		
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance		

Field/Lab Analytical Procedures and Equipment Detail

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CITYOFPG	City of Punta Gorda (Florida)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3500-FE(D)	Active	Iron in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er	
APHA	4500-CL(B)	Active	Residual Chlorine in Water by Titration- Iodometric Method I	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500- SO4(E)	Active	Sulfate by Turbidimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Turbidimeter	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra- Red Detector	
CITYOFPG	300.0	Active	Chloride	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
CITYOFPG	350.2	Active	Ammonia Nitrogen	American Public Health Association, 1998,		

Field/Lab Analytical Procedures and Equipment Detail

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CITYOFPG		City of Punta Gorda (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
CITYOFPG	353+351	Active	Total Nitrogen	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
CITYOFPG	445.0	Active	Pheophytin	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
CITYOFPG	LICOR	Active	Licor	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.5	Active	Orthophosphate in Water by	USEPA, 1992, Methods for Determination of	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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CITYOFPG

City of Punta Gorda (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS		
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	

Field/Lab Analytical Procedures and Equipment Detail

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COE/ISU Des Moines River - Corp of Engineers (IOWA)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
COE/ISU	APHA 10200 H	Active	Chlorophyll a-b-c-Determination	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 2130 B	Active	Turbidity - Nephelometric Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 2320 B	Active	Alkalinity - Titration Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 2340 C	Active	Hardness - EDTA Titrimetric Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 2540 D	Active	Total Suspended Solids Dried at 103-105	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 3111 B	Active	Metals by FLAA - Direct Air-Acetylene Flame Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 3500-CA B	Active	Calcium - EDTA Titrimetric Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 4110	Active	Determination of Anions by	American Public Health Association, 1998,		

Field/Lab Analytical Procedures and Equipment Detail

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COE/ISU Des Moines River - Corp of Engineers (IOWA)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	B		Ion Chromatography with Chemical Suppression of Eluent Conductivity	Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 4500-CO ₂ C	Active	Carbon Dioxide - Titrimetric Method for Free Carbon Dioxide	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 4500-H B	Active	pH Value - Electrometric Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 4500-NH ₃ G	Active	Nitrogen (Ammonia) - Automated Phenate Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 4500-NO ₃ F	Active	Nitrogen (Nitrate) - Automated Cadmium Reduction Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 4500-O C	Active	Oxygen (dissolved) - Azide Modification	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 4500-P F	Active	Phosphorous - Automated Ascorbic Acid Reduction Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 4500-SIO ₂ E	Active	Silica - Automated Method for Molybdate-Reactive Silica	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 5210 B	Active	Biochemical Oxygen Demand - 5-Day BOD Test	American Public Health Association, 1998, Standard Methods for the Examination of Water		

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COE/ISU Des Moines River - Corp of Engineers (IOWA)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 5310 C	Active	TOC - Persulfate-Ultraviolet or Heated-Persulfate Oxidation Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 9222 D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	APHA 9222 G	Active	Membrane filter technique - MF Partition Procedures	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
COE/ISU	IONPAC	Active	Ion chromatographpy with IONPAC	Dionex Corp., 1985, Installation Instructions and Troubleshooting Guide for the IONPAC CG12A Guard Column and the IONPAC CS12a Analytical Column, Dionex Corp., sec, 5.5, p. 17		
COE/ISU	USEPA 245.1	Active	Mercury in Water by CVAA	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
COE/ISU	USEPA 351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
COE/ISU	USEPA 365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-001		
COE/ISU	USGS CA8	Active	USGS Flow Measurement	R.W. Carter and Jacob Davidson, 1968, USGS-TWRI General Procedure for Gaging Strams, USGS, Book 3; Chap. A6		

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CORIVWCH

The Rivers of Colorado Water Watch Network (RiverWatch)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
CORIVWCH	1	Active	Tempurature by Thermometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CORIVWCH	2	Active	Physical Habitat	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Modified EPA RBA				
CORIVWCH	3	Active	Macroinvertebrate	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Modified EPA RBA, CDPHE, modified Dnet, 2 slow/fast riffle, composite				
CORIVWCH	4	Active	Dissolved Oxygen - DO	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	SM 421B				
CORIVWCH	5	Active	FLOW	CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114		
	Description	Using a floating object over a said distance per unit of time.				
CORIVWCH	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
HACH	8157	Active	Dissolved Oxygen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company,	Polarograph	

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CORIVWCH

The Rivers of Colorado Water Watch Network (RiverWatch)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				2nd Edition		
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200	Active	Metals by Atomic Absorption	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	200.11	Active	Metals in Fish Tissue by ICP-AES	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.1	Active	Chloride by Colorimetric Analysis I	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by	USEPA, 1993, Methods for the Determination of	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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CORIVWCH

The Rivers of Colorado Water Watch Network (RiverWatch)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.1	Active	Sulfate by Colorimetry With Chloranilate	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	9253	Active	Chloride in Water and Waste by Titration	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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CTCLUSI Confed Tribes of Coos, Lower Umpqua & Siuslaw Indians (OR)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
AOAC	973.4	Active	Specific Conductance of Water	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	Conductivity Meter	
APHA	2520-D	Active	Salinity in Water- Algorithm of Practical Salinity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
USEPA	150.2	Active	pH by Continuous Monitoring	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	9040A	Active	pH in Water by Electrometric Measurement	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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CT_DEP01

Connecticut Dept. of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CT_DEP01	ASTM D6503	Active	Standard Test Method for Enterococci in water using Enterolert (tm)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description multiple well method for enumerating Enterococci bacteria						
CT_DEP01	COLILERT	Active	multiple well most probable number test e coli and total coliform	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		APHA/9221-D

Field/Lab Analytical Procedures and Equipment Detail

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CVTEPA

Coyote Valley Tribal Council (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CVTEPA	QAPP	Active	Quality Assurance Procedures Policy	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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CWSD		Centennial Water and Sanitation District				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by	American Public Health Association, 1992,	Thermometer	

Field/Lab Analytical Procedures and Equipment Detail

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CWSD		Centennial Water and Sanitation District					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
			Thermometer	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition			
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer		
APHA	3500-CA(D)	Active	Calcium in Water by Titration Using EDTA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter		
APHA	4500-NH3(D)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode		
APHA	4500-NH3(F)	Active	Ammonia in Water Using Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter		
APHA	4500-	Active	Nitrate in Water- Automated	American Public Health Association, 1992,	AutoAnalyzer		

Field/Lab Analytical Procedures and Equipment Detail

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CWSD Centennial Water and Sanitation District						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	NO3(F)		Cadmium Reduction	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	4500-O-C	Active	Total Dissolved Oxygen by Titration- Azide Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-SO3(C)	Active	Sulfite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-SO4(C)	Active	Sulfate in Water by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5320-B	Active	Dissolved Organic Halogen in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Halogen Analyzer	
APHA	9215-B	Active	Heterotrophic Plate Count-	American Public Health Association, 1992,	Optical	

Field/Lab Analytical Procedures and Equipment Detail

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CWSD Centennial Water and Sanitation District						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Pour Plate Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Microscope	
APHA	9215-D	Active	Heterotrophic Plate Count-Membrane Filter Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9221-B	Active	Standard Total Coliform Fermentation Technique, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
CWSD	FLOW	Active	FLOW	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
CWSD	IDEXX	Active	IDEXX	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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CWSD		Centennial Water and Sanitation District					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer		
USEPA	245.1_M	Active	Mercury in Water by Manual CVAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer		
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph		
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector		

Field/Lab Analytical Procedures and Equipment Detail

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DANTEST

Dan's DUMMY test organization

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D4190	Active	Metals by Argon Emission Spectroscopy	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Direct Current Argon Plasma Spectrophotometer	
DEMO-002	QAPP	Active	Karuk	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	1103.1	Active	Escherichia coli in Water by Membrane Filtration Using membrane-Thermotolerant E. coli Agar (mTEC)	USEPA, 2002, Method 1103.1: Escherichia coli (E. coli) in Water by Membrane Filtration Using membrane-Thermotolerant Escherichia coli Agar (mTEC) (September 2002), USEPA, EPA 821-R-02-020		

Field/Lab Analytical Procedures and Equipment Detail

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DDEH Denver Department of Environmental Health						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-CL(G)	Active	Residual Chlorine by Colorimetry- DPD Colorimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-	Active	Nitrite in Water by	American Public Health Association, 1992,	Colorimeter	

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DDEH Denver Department of Environmental Health						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	NO2(B)		Colorimetry	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	4500-NO3(I)	Active	Nitrate in Water- Cadmium Reduction Flow Injection	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-O-F	Active	Total Dissolved Oxygen by Titration- Copper/Sulfate-Sulfamic Acid	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SO4(B)	Active	Sulfate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-SO4(F)	Active	Sulfate in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	9222-D	Active	Fecal Coliform Membrane	American Public Health Association, 1998,	Optical	

Field/Lab Analytical Procedures and Equipment Detail

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DDEH

Denver Department of Environmental Health

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Filter Procedure	Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Microscope	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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DEMOTEST Interstate Sanitation Commission						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
AOAC	972.23	Active	Lead in Fish	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	Atomic Absorption Spectrophotometer	
AOAC	973.48	Active	Total Nitrogen in Water	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	Nessler Tube	
AOAC	974.14	Active	Mercury in Fish	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	Cold Vapor Atomic Absorption Spectrophotometer	
AOAC	993.1	Active	Clostridium perfringens from Shellfish	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	Generic method-specific equipment	
APHA	10200-F	Active	Phytoplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-G	Active	Zooplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	10200-I	Active	Determination of Biomass (Standing Crop)	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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Interstate Sanitation Commission						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10400-D	Active	Macrophyton Population Estimates	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2120-E	Active	Color in Water Using the ADMI Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Filter Photometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-C	Active	Salinity in Water- Density Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	

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DEMOTEST		Interstate Sanitation Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3.4	Active	Coliforms- Membrane Filter	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Colorimeter	
APHA	3111-B	Active	Metals in Water by FLAA- Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotomet er	
APHA	3500-AG(C)	Active	Silver in Water by ICP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-CA(B)	Active	Calcium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotomet er	

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DEMOTEST		Interstate Sanitation Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	3500-CU(B)	Active	Copper in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotometer	
APHA	3500-HG(C)	Active	Mercury in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	3500-K-D	Active	Potassium in Water by Flame Photometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Photometric Detector	
APHA	3500-NA(D)	Active	Sodium in Water by Flame Photometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Photometric Detector	
APHA	4500-CL-(C)	Active	Chloride in Water by Titration- Mercuric Nitrate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-C	Active	Phosphorus in Water by Vanadomolybdophosphoric Acid Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-	Active	Sulfate in Water by Ion	American Public Health Association, 1992,	Ion	

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DEMOTEST		Interstate Sanitation Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
	SO4(B)		Chromatography	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Chromatograph	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
ASTM	D1068(B)	Active	Iron in Water by Chelation and FLAA	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Flame Atomic Absorption Spectrophotometer	
ASTM	D1125(A)	Active	Conductivity and Resistivity in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Conductivity Bridge	
ASTM	D1125(B)	Active	Conductivity and Resistivity in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Conductivity Bridge	
ASTM	D1889	Active	Turbidity of Water	American Society for Testing of Materials, 1994,	Turbidimeter	

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DEMOTEST

Interstate Sanitation Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01		
ASTM	D3223	Active	Total Mercury in Water by CVAA	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Cold Vapor Atomic Absorption Spectrophotometer	
ASTM	D3534(ELC D)	Active	PCBs in Water by Gas Chromatography	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	GC with Electron Capture Detector	
ASTM	D3559(C)	Active	Lead in Water by Polarography	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Polarograph	
ASTM	D3590(B)	Active	TKN by AutoAnalyzer	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	AutoAnalyzer	
ASTM	D3867(A)	Active	Nitrite-Nitrate Automated Cd Reduction	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	AutoAnalyzer	
ASTM	D3867(B)	Active	Nitrite-Nitrate by Manual Cd Reduction	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Spectrophotometer	
ASTM	D4183(A)	Active	Total Recoverable Organic Phosphorus	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Colorimeter	
DEMOTEST	300.0	Active	Sulfate	Dr. Lee Manning, 1988, What the Hell is This? -		

Field/Lab Analytical Procedures and Equipment Detail

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DEMOTEST Interstate Sanitation Commission						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Taxonomy of the Chesapeake Bay, University of Virginia Press, 1290 pp		
DEMOTEST	351.2-350.1	Active	Organic Nitrogen	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008	AutoAnalyzer	
DEMOTEST	353.2+351.2	Active	Total Nitrogen	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008	AutoAnalyzer	USEPA/I-01
DEMOTEST	4500CL	Active	STANDARD METHODS 4500CL - CHLORINE	FDEP Chemists and Biologists, 2003, Preparation Methology Employed by FDEP Central Laboratory, FDEP, no specific document		
DEMOTEST	7543	Active	Cloud Cover	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
DEMOTEST	7890	Active	Floating Debris	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
DEMOTEST	9230C	Active	Fecal Streptococci	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	APHA/9230-C
DEMOTEST	ANIONS	Active	anions	Staugler, 2002, Staugler Method, CHEC, VOL3/PG45	Hydrolab Remote (unattended) Multi Probe Instrument	
DEMOTEST	CHLOR A	Active	Chlorophyll a	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Fluorometer	
DEMOTEST	CHLOROA/	Active	Chlorophyll A; Pheophytin A	American Public Health Association, 1992,	Fluorometer	

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	PHEOA		Ratio	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
DEMOTEST	DO-001	Active	Field Method for Determination of Dissolved Oxygen, Probe	Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp	Probe	HACH/8157
DEMOTEST	FISH MEASURES	Active	Field Determination of Whole Fish Physical Characteristics	Commission for a Good Clean Chesapeake Bay, 1991, Standard Procedures for Sampling the Chesapeake Bay, Virginia Beach Press, 290 pp		
DEMOTEST	FLOW_DIRECTION	Active	Tidal Stage	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
DEMOTEST	METALS	Active	ICP Metals	USEPA, 1998, Evaluating Field Techniques for Collecting effluent Samples for Trace Metals Analysis., USEPA, EPA 821/R-98-008		
DEMOTEST	METHOD 777	Active	New method number 777	USEPA, 1999, Toxicity Reduction Evaluation Guidance for Municipal Wastewater Treatment Plants., USEPA, EPA 833/B-99-002		
DEMOTEST	PESTICIDES	Active	Herbicides and Insecticides in Water	Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp	Capillary Gas Chromatograph with Mass Spectrophotometer	
DEMOTEST	PH IN WATER	Active	pH	American Society for Testing of Materials, 1994, ASTM Standards. General Products, Chemical Specialties & End Use Products; Soap; etc., American Society for Testing and Materials, Vol 15.04	CTD Vertical Profiler - Multi Probe	HACH/8156
DEMOTEST	PHYTOPLANKTON	Active	Phytoplankton	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Human Eye	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID	
DEMOTEST	RBP-FIELD	Active	Field RBP Procedures	Commission for a Good Clean Chesapeake Bay, 1991, Standard Procedures for Sampling the Chesapeake Bay, Virginia Beach Press, 290 pp			
DEMOTEST	SEDIMENT	Active	Field Sediment Analysis	Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp			
DEMOTEST	SOP-3	Active	Standard Analytical Procedure	Greg Graves, 2002, Sampling According to Greg, FDEP, Page 1-10000			
DEMOTEST	STATION OBS	Active	Field Station Visit Physical Direct Measurements and Obs	Commission for a Good Clean Chesapeake Bay, 1991, Standard Procedures for Sampling the Chesapeake Bay, Virginia Beach Press, 290 pp			
DEMOTEST	TEMP-001	Active	Field Determination of Water Temperature, Probe	Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp	Probe		
DEMOTEST	WEATHER-001	Active	Field Station Visit Weather Observations	Commission for a Good Clean Chesapeake Bay, 1991, Standard Procedures for Sampling the Chesapeake Bay, Virginia Beach Press, 290 pp			
HACH	10001	Active	Nitrogen, Ammonia, Electrode	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136			
HACH	10002	Active	Nitrogen, Ammonia, Electrode, Known Addition	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136			
HACH	1001	Active	Determination of Lead, for use in Lead and Copper Rule compliance monitoring	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136			
HACH	10018	Active	Total and Fecal Coliforms, E. Coli, P/A	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136			
HACH	10027	Active	Fecal Coliforms, MPN (sludges)	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants.,			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, 40 CFR Part 136		
HACH	10028	Active	Fecal Coliforms, MPN (sludges)	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	10029	Active	m-ColiBlue24 Method of the Determination of Total Coliforms and E. coli	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8000	Active	Chemical Oxygen Demand	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
HACH	8000(A1)	Active	Chemical Oxygen Demand	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
HACH	8000(A2)	Active	Chemical Oxygen Demand	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
HACH	8001(1)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8001(2)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8001(3)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8001(A1)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8001(A2)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
HACH	8001(A3)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8005	Active	Oil and Grease in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8008	Active	Total Iron in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8009	Active	Zinc in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8010	Active	Acidity by Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8013	Active	Arsenic in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
HACH	8021	Active	Free Chlorine in Water by DPD	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8023	Active	Hexavalent Chromium in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8024	Active	Total Chromium in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8025	Active	Color, APHA Platinum-Cobalt	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8027	Active	Cyanide in Water	Hach Chemical Company, 1992, Hach Water	Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
				Analysis Handbook., HACH Chemical Company, 2nd Edition	er	
HACH	8029	Active	Fluoride in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotomet er	
HACH	8033	Active	Lead in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotomet er	
HACH	8034	Active	Manganese in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotomet er	
HACH	8037	Active	Nickel in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotomet er	
HACH	8038	Active	Ammonia Nitrogen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotomet er	
HACH	8043	Active	Biological Oxygen Demand in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Generic inspection- related equipment(eg color charts)	
HACH	8047	Active	Phenols in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotomet er	
HACH	8048	Active	Reactive Phosphorus in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotomet er	
HACH	8051	Active	Sulfate in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotomet er	

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DEMOTEST		Interstate Sanitation Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
HACH	8071	Active	Sulfite in Water by Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8074(A)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Hydrophobic Grid Membrane Filter Apparatus	
HACH	8074(B)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Filtration Apparatus	
HACH	8116	Active	Chemical Oxygen Demand in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8131	Active	Sulfide in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
HACH	8157	Active	Dissolved Oxygen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Polarograph	
HACH	8158	Active	Total Nonfilterable Residue Solids	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Laboratory Balance	
HACH	8160	Active	Conductivity in Water by Direct Measurement	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Conductivity Meter	
HACH	8163	Active	Total Filterable Solids	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Laboratory Balance	
HACH	8164	Active	Volatile Nonfilterable Solids	Hach Chemical Company, 1992, Hach Water	Laboratory	

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DEMOTEST		Interstate Sanitation Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			in Water	Analysis Handbook., HACH Chemical Company, 2nd Edition	Balance	
HACH	8165	Active	Settleable Matter Solids in Wastewater	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Laboratory Balance	
HACH	8167	Active	Total Chlorine in Water by DPD	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotomet er	
HACH	8168	Active	Total Chlorine in Water by Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8172	Active	Fecal Streptococci, MPN	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8186	Active	Silica, Colorimetric	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8190	Active	Total Phosphorus in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8195	Active	Determination of Turbidity	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8219	Active	Acidity in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8221	Active	Alkalinity by Buret Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8222	Active	Calcium Hardness in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company,	Titration Apparatus	

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DEMOTEST		Interstate Sanitation Commission				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				2nd Edition		
HACH	8224	Active	Chloride by Buret Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8225	Active	Chloride by Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8226	Active	Total Hardness in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8229	Active	Dissolved Oxygen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Generic inspection-related equipment(eg color charts)	
HACH	8230	Active	Chemical Oxygen Demand in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8241	Active	Heterotrophic Bacteria, Pour Plate	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8271	Active	Residue, Total Solids	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8276	Active	Total Volatile and Fixed Solids	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Laboratory Balance	
HACH	8277	Active	Residue, Volatile, Filterable (dissolved)	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8311	Active	Ozone in Water	Hach Chemical Company, 1992, Hach Water	Spectrophotomet	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Analysis Handbook., HACH Chemical Company, 2nd Edition	er	
HACH	8323	Active	Fluoride, Electrode	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8334	Active	Free Chlorine in Water by Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8368	Active	Coliform Bacteria, Fecal MPN	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8375	Active	Temperature, Thermometric	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8506	Active	Copper in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8507	Active	Nitrite in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
NIOSH	5001	Active	2,4-D by HPLC/UV	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	High Performance Liquid Chromatograph	
NIOSH	5029	Active	4,4'-Methylenedianiline by HPLC	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	High Performance Liquid Chromatograph	
NIOSH	5030	Active	Cyanuric Acid by HPLC/UV	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	High Performance Liquid Chromatograph	

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USDOI/USGS	B0001	Active	Standard Plate Count-Membrane Filter Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B1505	Active	Phytoplankton Enumeration- Counting Cell Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B8502	Active	Algal Growth Potential (AGP) Spikes for Nutrient Limitation	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USDOI/USGS	I1550	Active	Ammonia plus Organic Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I1601	Active	Orthophosphate-Phosphorus by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotometer	
USDOI/USGS	I2539	Active	Nitrite-Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Colorimeter	
USDOI/USGS	I2545(W)	Active	Nitrite- Plus Nitrate-Nitrogen in Water	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2600(W)	Active	Phosphorus in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USDOI/USGS	I2700	Active	Silica in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USEPA	00-01	Active	Gross Alpha and Beta Activity in Water	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	00-02	Active	Gross Alpha Activity in Drinking Water by Coprecipitation	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	00-03	Active	Lead-210 and Polonium-210 in Dried Samples	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha Spectrophotometer	
USEPA	110.1	Active	Color by Calculating ADMI Values	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	110.3	Active	Color by Spectrophotometric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	120.1_M	Active	Conductivity in Industrial Waste	USEPA, 19--, CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	Conductivity Meter	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

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USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	160.5	Active	Settleable Matter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1613(W)	Active	Dioxins and Furans - Water	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary GC with High Resolution Mass Spectrophotometer	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200	Active	Metals by Atomic Absorption	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	200.1	Active	Metals in Marine Waters by ICP/MS	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.11	Active	Metals in Fish Tissue by ICP-AES	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Inductively Coupled Plasma Combined with Mass	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
					Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotomet er	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet er	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotomet er	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotomet	

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DEMOTEST Interstate Sanitation Commission						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(B)	Active	Total Kjeldahl Nitrogen - Nesslerization	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.4	Active	Determination of Nitrite and Nitrate	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Photometer	
USEPA	354.1	Active	Nitrite Nitrogen by	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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DEMOTEST	Interstate Sanitation Commission					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Spectrophotometry	Water and Wastes, USEPA, EPA 600/4-79-020	er	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotomet er	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410_M(A)	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-	

Field/Lab Analytical Procedures and Equipment Detail

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DEMOTEST	Interstate Sanitation Commission					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
					Red Detector	
USEPA	50APP-B	Active	Suspended Particulate Matter	USEPA, 19--, National Primary and Secondary Standards, USEPA, 40CFR50	Filtration Apparatus	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8081A(WW B)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8082(W)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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DEMOTEST	Interstate Sanitation Commission					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
					er	
USEPA	9012A	Active	Total and Amenable Cyanide (Auto UV)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	9131	Active	Total Coliform by Multiple Tube Fermentation	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Generic inspection-related equipment(eg color charts)	
USEPA	9132	Active	Total Coliform by Membrane Filter	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Optical Microscope	
USEPA	C-008-1	Active	Total Suspended Solids in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Laboratory Balance	
USEPA	PMD-CBF	Active	Carbofuran by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-CD	Active	Cadmium by AAS	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DCA(GC1)	Active	2,4-D and 2,4,5-T Esters by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-DCA(GC2)	Active	2,4-D and Silvex by Derivatization GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
USEPA	PMD-FLM	Active	Atrazine and Metolachlor by GC	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and	No equipment	

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DEMOTEST

Interstate Sanitation Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1		
USEPA	PMD-MAL(IR)	Active	Malathion by IR Spectroscopy	Association of Official Analytical Chemists, 19--, Manual of Chemical Methods for Pesticides and Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	

Field/Lab Analytical Procedures and Equipment Detail

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EMAP-CS

Environmental Monitoring and Assessment Program

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
EMAP-CS	AIA-CTNCA	Active	Automated ion analyzer/colorimetric	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Nutrient Collections/Chemistry Metadata, U.S. Environmental Protection Agency, 10 p		
Description For LABCODE=CT, the SI sample was shipped unfrozen. NH4, PO4, NO23, NO2, and SI were measured by automated ion analyzer/colorimetric.						
EMAP-CS	AKRFA300	Active	AlpKem RFA 300 Series Nutrient Analyzer	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
Description AlpKem RFA 300 Series Nutrient Analyzer used by Moss Landing Marine Laboratory for analysis of NH4-N, NO3-N, NO2-N, NO3+NO2-N and PO4-P						
EMAP-CS	ARM67:WA	Active	Silicate-Armstrong et al. '67: EMAP-West, Washington State	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
Description For Washington State, silicate is analyzed using the basic method of Armstrong et al. (1967). Ammonium molybdate is added to a water sample to produce silicomolybdic acid which is then reduced to silicomolybdous acid (a blue compound) following the addition of stannous chloride. The sample is passed through a 15 mm flowcell and absorbance is measured at 820 nm using a Technicon AutoAnalyzer II or AlpKem RFA/2 system.						
EMAP-CS	ARM67N:W A	Active	Nitrate/nitrite-Armstrong et al. '67: EMAP-West, Washington State	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
Description For Washington State, a modification of the Armstrong et al. (1967) procedure is used for the analysis of nitrate and nitrite. For nitrate + nitrite analysis, a water sample is passed through a cadmium column where the nitrate is reduced to nitrite. This nitrite is then diazotized with sulfanilamide and coupled with N-(1-naphthyl)-ethylenediamine to form an azo dye. The sample is then passed through a 15 mm flowcell and absorbance is measured at 540 nm. A 50 mm flowcell is required for nitrite (NO2). The procedure is the same for the nitrite analysis less the cadmium column. Nitrate concentration equals the (nitrate + nitrite) concentration minus the nitrite concentration.						
EMAP-CS	ASTM D-422	Active	ASTM D-422: NCA-Gulf 2000 for TOC	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description NCA-Gulf 2000 used ASTM D-422 for measurement of total organic carbon (TOC)						
EMAP-CS	ASTM E-1367-90	Active	Standard guide for conducting 10-day static sediment toxicity tests w/ marine organisms	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		

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EMAP-CS Environmental Monitoring and Assessment Program						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	Description	ASTM E-1367-90 used by NCA-Gulf for conducting 10-day static sediment toxicity tests w/ marine organisms. Result as: control corrected mean survival (%)				
EMAP-CS	ASTM1993	Active	Standard guide for conducting 10-day static sediment toxicity tests w/ marine organisms	ASTM, 1993, Standard guide for conducting 10-day static sediment toxicity tests with marine and estuarine amphipods. E1367-92. In: Annual Book of ASTM Standards. Vol. 11.04. Philadelphia, PA, ASTM, pp. 1138-1163		
EMAP-CS	B/W67:WA	Active	O-Phosphate-Bernhardt and Wilhelms '67: EMAP-West, Washington State	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description	For Washington State, O-Phosphate is analyzed using a modification of the Bernhardt and Wilhelms (1967) method. Ammonium molybdate is added to a water sample to produce phosphomolybdic acid, which is then reduced to phosphomolybdous acid (a blue compound) following the addition of dihydrazine (or hydrazine) sulfate. The sample is passed through a 50 mm flowcell and absorbance is measured at 820 nm using a Technicon AutoAnalyzer II or Alpkem RFA/2 system.				
EMAP-CS	CHLA-NCA-CT	Active	TD700 Fluorometer	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Nutrient Collections/Chemistry Metadata, U.S. Environmental Protection Agency, 10 p		
	Description	CHLA and PHAE pigments were extracted from filter with 90% acetone and measured with a Turner Design TD700 Fluorometer without acidification, using the Weshmeyer method				
EMAP-CS	CTD CAST-NCA-NY	Active	Seabird CTD cast-NCA-NY	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Water Quality-Physical Data Metadata, U.S. Environmental Protection Agency, 10		
	Description	Seabird model 25 used by State of NY				
EMAP-CS	CTD-NCA-CT	Active	Seabird CTD cast-NCA-CT	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Water Quality-Physical Data Metadata, U.S. Environmental Protection Agency, 10		
	Description	Sea-bird SBE-19: used by the state of Connecticut				
EMAP-CS	CVAA	Active	Cold vapor atomic absorption analysis	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		

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EMAP-CS Environmental Monitoring and Assessment Program						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
EMAP-CS	CVAA-NCA	Active	Cold vapor atomic absorption analysis	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 16 p		
Description		Cold vapor atomic absorption analysis was used for mercury (Hg) analysis in NCA-Northeast 2000-01 and NCA-Gulf 2000 (states of AL, FL, LA, MS and TX).				
EMAP-CS	CVAA-VP	Active	Cold vapor atomic absorption analysis	C. Strobel, 1996, EMAP-Estuaries 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p		
EMAP-CS	EPA 445.0M	Active	EPA-445.0: NCA-Gulf 2000 for Chlorophyll 'a'	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description		NCA-Gulf 2000 followed EPA procedure EPA-445.0 and EPA-445.0M for water analyses: Chlorophyll 'a'.				
EMAP-CS	EPA 9060/1986	Active	EPA 9060/1986: NCA-Gulf 2000 for sediment grain size	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description		NCA-Gulf 2000 used EPA 9060/1986 for measurement of sediment grain size: silt/clay (%)				
EMAP-CS	EPA-160.2	Active	EPA-160.2: EMAP-West and NCA-Gulf for TSS	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
Description		Oregon Dept. Environmental Quality (ODEQ) Lab, University of Washington (UW) and NCA-Gulf 2000 followed EPA procedure EPA-160.2 for water analyses: Total suspended solids (method EPA-160.2).				
EMAP-CS	EPA-300.0	Active	EPA-300.0: NCA-Gulf 2000 for NO2 and NO3	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description		NCA-Gulf 2000 used EPA-353.3 method for measuring nitrite (NO2) and nitrate (NO3)				
EMAP-CS	EPA-349.0	Active	EPA-350.1: NCA-Gulf 2000 for NH4	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality		

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EMAP-CS

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description		NCA-Gulf 2000 used EPA-349.0 to measure Ammonium (NH ₄)			
EMAP-CS	EPA-350.1	Active	EPA-350.1: EMAP-West for NH ₄	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description		Oregon Dept. Environmental Quality (ODEQ) Lab followed EPA procedure EPA-350.1 for water analyses: Ammonia (method EPA-350.1)			
EMAP-CS	EPA-353.2	Active	EPA-353.2: EMAP-West for NO ₂ +NO ₃	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description		Oregon Dept. Environmental Quality (ODEQ) Lab followed EPA procedure EPA-353.2 for water analyses: Nitrite + Nitrate (method EPA-353.2).			
EMAP-CS	EPA-353.3	Active	EPA-353.3: NCA-Gulf 2000 for NO ₂ +NO ₃	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description		NCA-Gulf 2000 used EPA-353.3 method for NO ₂ +NO ₃			
EMAP-CS	EPA-353.4PD	Active	EPA-353.4PD: NCA-Gulf 2000 for TDN	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description		NCA-Gulf 2000 used EPA-353.4PD method for total dissolved nitrogen			
EMAP-CS	EPA-365.2	Active	EPA-365.2: EMAP-West for PO ₄	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description		Oregon Dept. Environmental Quality (ODEQ) Lab followed EPA procedure EPA-365.2 for water analyses: Ortho-phosphate (method EPA-365.2)			
EMAP-CS	EPA-365.5	Active	EPA-365.5: NCA-Gulf 2000 for PO ₄	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description			NCA-Gulf 2000 used EPA-365.5 method for measuring Orthophosphate (PO4)		
EMAP-CS	EPA-365.5PD	Active	EPA-365.5PD: NCA-Gulf 2000 for TDP	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description			NCA-Gulf 2000 used EPA-365.5PD method for total dissolved phosphorus		
EMAP-CS	EPA-366	Active	EPA-366: NCA-Gulf 2000 for SI	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description			NCA-Gulf 2000 used EPA-366 method for measuring Silicate (SI)		
EMAP-CS	EPA-415.1	Active	EPA-415.1: EMAP-West for TOC	U.S. EPA, 1995, EMAP: Laboratory Methods Manual-Estuarines, Volume 1: Biological and Physical Analyses, Environmental Protection Agency, Office of Research and Development, Narragansett, RI, 128 p		
	Description			Oregon Dept. Environmental Quality (ODEQ) Lab followed EPA procedure EPA-415.1 for sediment analyses: Total organic carbon (method EPA-415.1)		
EMAP-CS	EPA-445.0	Active	EPA-445.0: EMAP-West for Chla/Phaeo	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description			Oregon Dept. Environmental Quality (ODEQ) Lab followed EPA procedure EPA-445.0 for water analyses: Phaeophyton and Chlorophyll 'a'.		
EMAP-CS	EPA200.7	Active	EPA200.7 for AL, FE	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description			EPA accepted methods for Aluminum and Iron		
EMAP-CS	EPA200.8	Active	EPA200.8	Tom Heitmuller, USGS, 2001, Quality Assurance		

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EMAP-CS

Environmental Monitoring and Assessment Program

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description	Silver, cadmium, lead, antimony and tin measured by this method in EMAP-West 1999 Washington state. Silver, cadmium, lead, antimony, copper, nickel and tin measured by this method in EMAP-West 2000 Washington state. In 2000, methods differed by station.				
EMAP-CS	EPA204.2	Active	EPA204.2 - Antimony	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description	This method was used to measure Antimony in EMAP-West 2000.				
EMAP-CS	EPA206.2	Active	EPA206.2	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description	EPA206.2 was used to measure Arsenic in EMAP-West 1999 and 2000 Washington state.				
EMAP-CS	EPA213.2	Active	EPA213.2	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description	This method was used to measure Copper in EMAP-West 2000 Washington state.				
EMAP-CS	EPA239.2	Active	EPA239.2 Lead	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description	This method was used to measure Lead in EMAP-West 2000, Washington state.				
EMAP-CS	EPA245.5	Active	Mercury in sediment (cold vapor with permanganate digestion)	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description	This method was used to measure mercury in EMAP-West 1999 and 2000.				
EMAP-CS	EPA270.2	Active	EPA270.2	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description	Method used to measure Selenium concentrations in EMAP-West 1999-2000.				
EMAP-CS	EPA272.2	Active	EPA272.2	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		

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EMAP-CS

Environmental Monitoring and Assessment Program

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Method used to measure Silver in EMAP-West 2000 Washington state.						
EMAP-CS	EPA282.2	Active	EPA282.2 - Tin	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
Description This method was used to measure Tin in EMAP-West 2000 Washington state.						
EMAP-CS	FAA	Active	Flame Atomic Absorption Spectrometer	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
EMAP-CS	FAAS: NCA-GULF	Active	Flame Atomic Absorption Spectrometer-HF: NCA-Gulf 2000	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description Flame Atomic Absorption Spectrometer-HF: NCA-Gulf 2000. Used to measure: aluminum (AL), chromium (CR), iron (FE), manganese (MN) and zinc (ZN) for states of Alabama, Florida and Texas. Only Alabama used this method for nickel (NI).						
EMAP-CS	FIMS	Active	Flow Injection Mercury System	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
EMAP-CS	FISH MEASURES	Active	Field Fish Measurements	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p	Fish Measuring Board	
EMAP-CS	FLUORO	Active	Turner Designs 10-005R Fluorometer: EMAP-West	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
Description CHLA and PHAE pigments were extracted from filter with 90% acetone and measured on a Turner Designs 10-005R Fluorometer						
EMAP-CS	GC/ECD	Active	Gas chromatography / electron capture detection	Nelson, Walter G., Brock, Richard, Lee II, Henry, Lamberson, Janet O., Cole, Faith, 2007, Condition of Estuaries and Bays of Hawaii for 2002: A Statistical Summary., Office of Research and Development, National Health and Environmental Effects Research Laboratory, EPA/620/R-07/001., 153		

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EMAP-CS

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description Gas chromatography and electron capture detection - method for NCA-Insular Province Hawaii 2002						
EMAP-CS	GC/ECD(N CA)	Active	Gas chromatography/electron capture detection	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 16 p		
Description All pesticides and PCBs were analyzed by GC/ECD (electron capture detector) for NCA-Northeast 2000-01 and NCA-Gulf 2000						
EMAP-CS	GC/ECD(VP)	Active	Gas chromatography/electron capture detection	C. Strobel, 1996, EMAP-Estuaries 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p		
EMAP-CS	GC/MS	Active	Gas Chromatograph/Mass Spectrometer	C. Strobel, 1996, EMAP-Estuaries 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p		
EMAP-CS	GC/MS(NC A)	Active	Gas Chromatograph/Mass Spectrometer	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description The PAHs were analyzed by gas-chromatography / mass-spectrometry (GC/MS).						
EMAP-CS	GC/MS-SIM	Active	Gas Chromatograph/Mass Spectrometer-SIM: NCA-Gulf 2000	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description Gas Chromatograph/Mass Spectrometer-SIM used by all NCA-Gulf 2000 states to analyze sediment for PAHs.						
EMAP-CS	GCECD	Active	Gas chromatography/electron capture detection	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
EMAP-CS	GCMS	Active	Gas Chromatograph/Mass Spectrometer	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
Description Gas chromatography/electron capture detection/Gas Chromatograph/Mass Spectrometer						
EMAP-CS	GFAA	Active	Graphite Furnace Atomic	Tom Heitmuller, USGS, 2001, Quality Assurance		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Absorption Analysis	Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description		Flame Atomic Absorption Spectrometer/Graphite Furnace Atomic Absorption Analysis			
EMAP-CS	GFAA-HF	Active	Graphite Furnace Atomic Absorption Analysis: Gulf 2000	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description		Graphite Furnace Atomic Absorption Analysis used to measure: silver (AG), arsenic (AS), cadmium (CD), copper (CU), lead (PB), antimony (SB), selenium (SE) and tin (SN) in NCA-Gulf 2000 states of Alabama (AL), Florida (FL) and Texas (TX). FL and TX used it to analyze for NI.			
EMAP-CS	GFAA-NCA	Active	Graphite Furnace Atomic Absorption Analysis	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 16 p		
EMAP-CS	GFAA-VP	Active	Graphite Furnace Atomic Absorption Analysis (Zeeman-corrected, stabilized temperature)	C. Strobel, 1996, EMAP-Estuaries 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p		
EMAP-CS	GRN-NCA	Active	Analysis and calculation of sediment grain size	U.S. EPA, 1995, EMAP: Laboratory Methods Manual-Estuaries, Volume 1: Biological and Physical Analyses, Environmental Protection Agency, Office of Research and Development, Narragansett, RI, 128 p		
	Description		For the grain size analysis, sediments were homogenized and diluted to a suspended slurry with the aid of chemical dispersant, and the suspension passed through a 63 micron sieve. The fine fraction passing through the sieve (<63 micron) and the coarse fraction retained on the filter (>63 micron) were separately dried and weighed. A small correction to the weight was applied to account for the salt and dispersant residue remaining after evaporation. SILTCLAY was calculated as the salt-free weight of the fine fraction divided by the combined fine plus coarse salt-free weights (the result expressed as a percentage). SAND was calculated as 100% minus SILTCLAY.			
EMAP-CS	GRV	Active	Gravimetric	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
EMAP-CS	HAA	Active	Hydride Atomic Absorption Analysis	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
EMAP-CS	HGAF-NCA	Active	Hydride Generation Atomic Fluorescence	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 16 p		
EMAP-CS	HRGC/FP	Active	High resolution gas chromatography and flame photometric detection	C. Strobel, 1996, EMAP-Estuarines 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p		
EMAP-CS	HYDRO-NCA	Active	Hydrolab Handheld Cast	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Water Quality-Physical Data Metadata, U.S. Environmental Protection Agency, 10	Hydrolab Multi Probe Handheld Instrument	
	Description	Hydrolab DataSonde 3 multi-probe data logging units were used. The software program Procomm was used to set up and download profile logging runs to a laptop computer. This instrument was used by states of DE, MA, ME, NJ and RI.				
EMAP-CS	HYDRO-SE_GU	Active	Hydrolab Multi Probe Handheld Instrument	U.S. Environmental Protection Agency, 2001, National Coastal Assessment: Field Operations Manual, USEPA NHEERL, Gulf Ecology Division, Gulf Breeze, FL, 72		
	Description	Hydrolab Multi Probe Handheld Instrument was used or a YSI meter.				
EMAP-CS	HYDROLAB CAST	Active	Hydrolab Handheld Cast: EMAP-West 1999-2000 CA and OR	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p	Hydrolab Multi Probe Handheld Instrument	
	Description	Hydrolab Handheld Cast: Probes include: DO-dissolved oxygen polarographic sensor; salinity/conductivity probe; depth and temperature sensors. Photosynthetically Active Radiation data was captured in two ways, while the Hydrolab unit and underwater readings always used a Quantum (spherical, LI-192SA) sensor. On the boat, the deck sensor recording ambient light was a cosine collector (the flat sensor; LI-190SA). The conversion is roughly 4 times between the two sensors. At walk-in stations ambient irradiance was taken with the Quantum sensor and then several subsurface readings with the same sensor.				
EMAP-CS	HYDRO_HI 02	Active	Hydrolab H2O Datasonde-EMAP-West Insular Province Hawaii 2002	Nelson, Walter G., Brock, Richard, Lee II, Henry, Lamberson, Janet O., Cole, Faith, 2007, Condition of Estuaries and Bays of Hawaii for 2002: A Statistical Summary., Office of Research and Development, National Health and Environmental Effects Research Laboratory, EPA/620/R-07/001., 153	Hydrolab Multi Probe Handheld Instrument	
	Description	Hydrolab® H2O Datasonde coupled to a field display and lap top computer. The instrument measured temperature, depth, dissolved oxygen, pH and turbidity (NTU). Salinity was determined using an AGE laboratory salinometer (limit of detection = 0.0001 ppt, accuracy = 0.003 ppt).				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
EMAP-CS	ICP-AES(NCA)	Active	Inductively Coupled Plasma Atomic Emission Spectrometer	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 16 p		
EMAP-CS	ICP-AES(VP)	Active	Inductively Coupled Plasma Atomic Emission Spectrometer	C. Strobel, 1996, EMAP-Estuarines 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p		
EMAP-CS	ICP-ES-HG	Active	Inductively Coupled Plasma Atomic Emission Spectrometer-HG: NCA-Gulf	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description Inductively Coupled Plasma Atomic Emission Spectrometer: used by NCA-Gulf 2000 to measure selenium (SE) in Louisiana (LA).						
EMAP-CS	ICP-ES-HNO3	Active	Inductively Coupled Plasma Atomic Emission Spectrometer-HNO3: NCA-Gulf	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description Inductively Coupled Plasma Atomic Emission Spectrometer-HNO3: used for NCA-Gulf state of Mississippi (MS) to analyze: silver (AG), aluminum (AL), arsenic (AS), cadmium (CD), chromium (CR), copper (CU), manganese (MN), nickel (NI), lead (PB), antimony (SB), selenium (SE), tin (SN) and zinc (ZN).						
EMAP-CS	ICP-MS-HF	Active	Inductively Coupled Plasma Mass Spectrometer-HF: NCA-Gulf 2000	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description Inductively Coupled Plasma Mass Spectrometer-HF: used for NCA-Gulf 2000 state of Louisiana (LA) to analyze: silver (AG), arsenic (AS), cadmium (CD), chromium (CR), copper (CU), manganese (MN), nickel (NI), lead (PB), antimony (SB), tin (SN) and zinc (ZN).						
EMAP-CS	ICPAES	Active	Inductively Coupled Plasma Atomic Emission Spectrometer	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
EMAP-CS	ICPMS	Active	Inductively Coupled Plasma Mass Spectrometer	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
EMAP-CS	ICPOES	Active	Inductively Coupled Plasma Optical Emission Spectroscopy: NCA-HI 2002	Nelson, Walter G., Brock, Richard, Lee II, Henry, Lamberson, Janet O., Cole, Faith, 2007, Condition of Estuaries and Bays of Hawaii for 2002: A Statistical Summary., Office of Research and Development, National Health and Environmental Effects Research Laboratory, EPA/620/R-07/001., 153		
	Description	Inductively Coupled Plasma Optical Emission Spectroscopy				
EMAP-CS	LI-190SA	Active	Li-Cor LI-190SA Quantum Sensor	U.S. Environmental Protection Agency, 2001, National Coastal Assessment: Field Operations Manual, USEPA NHEERL, Gulf Ecology Division, Gulf Breeze, FL, 72		
	Description	Two separate sensors are deployed simultaneously during sampling to measure PAR. A Li-Cor LI-190SA Quantum Sensor (flat) is used to measure PAR in the 400-700nm waveband in terrestrial applications. A Li-Cor LI-193SA Spherical Quantum Sensor is used to measure PAR in the 400-700 nm waveband in underwater applications. Both sensors are connected to a Li-Cor LI-1400 datalogger in order to record and view data. This instrument was also used for ambient light measurements in EMAP-West.				
EMAP-CS	LI-193SA	Active	Li-Cor LI-193SA Spherical Quantum Sensor	U.S. Environmental Protection Agency, 2001, National Coastal Assessment: Field Operations Manual, USEPA NHEERL, Gulf Ecology Division, Gulf Breeze, FL, 72		
	Description	Two separate sensors are deployed simultaneously during sampling to measure PAR. A Li-Cor LI-193SA Spherical Quantum Sensor is used to measure PAR in the 400-700 nm waveband in underwater applications. A Li-Cor LI-190SA Quantum Sensor (flat) is used to measure PAR in the 400-700nm waveband in terrestrial applications. Both sensors are connected to a Li-Cor LI-1400 datalogger in order to record and view data.				
EMAP-CS	LICOR	Active	Licor sensors for NCA-Gulf and SE: ambient and underwater	U.S. Environmental Protection Agency, 2001, National Coastal Assessment: Field Operations Manual, USEPA NHEERL, Gulf Ecology Division, Gulf Breeze, FL, 72		
	Description	Two separate sensors are deployed simultaneously during sampling to measure PAR. A Li-Cor LI-190SA Quantum Sensor (flat) is used to measure PAR in the 400-700nm waveband in terrestrial applications. A Li-Cor LI-193SA Spherical Quantum Sensor is used to measure PAR in the 400-700 nm waveband in underwater applications. Both sensors are connected to a Li-Cor LI-1400 datalogger in order to record and view data. This instrument was also used for ambient light measurements in EMAP-West.				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
EMAP-CS	LIGHT METER PAR	Active	Light Meter Determination of PAR	U.S. Environmental Protection Agency, 2001, National Coastal Assessment: Field Operations Manual, USEPA NHEERL, Gulf Ecology Division, Gulf Breeze, FL, 72	Handheld Light Meter, Probe with on Deck Display	
Description On the boat, the deck sensor recording ambient light was a cosine collector (the flat sensor; LI-190SA).						
EMAP-CS	MARPCN IV	Active	MARPCN IV	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
Description from Standard Methods						
EMAP-CS	MBH54AR	Active	Mettler H54AR Balance	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
Description Mettler H54AR Balance used by Moss Landing Marine Laboratory for total suspended solids procedure						
EMAP-CS	MOIS-NCA	Active	Procedure/calculation for moisture	U.S. EPA, 1995, EMAP: Laboratory Methods Manual-Estuaries, Volume 1: Biological and Physical Analyses, Environmental Protection Agency, Office of Research and Development, Narragansett, RI, 128 p		
Description For the moisture analysis, the sediments were homogenized and dried, and percent moisture was calculated from the loss in weight after correcting for salt remaining after evaporation.						
EMAP-CS	NA	Active	Not analyzed	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description Sample not analyzed.						
EMAP-CS	NOTREC	Active	Not recorded	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
Description Procedure not recorded						
EMAP-CS	NR	Active	Not relevant	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
EMAP-CS	NUT-HI02	Active	Nutrient analyses: EMAP-West Insular Province Hawaii 2002	Nelson, Walter G., Brock, Richard, Lee II, Henry, Lamberson, Janet O., Cole, Faith, 2007, Condition of Estuaries and Bays of Hawaii for 2002: A Statistical Summary., Office of Research and Development, National Health and Environmental Effects Research Laboratory, EPA/620/R-07/001., 153		
	Description		Samples were air shipped to the NCA national contract laboratory for analyses. All laboratory methods used in processing water column nutrient samples followed standard accepted protocols including those as given in Standard Methods (1985), Strickland and Parsons (1972), Grasshoff (1983). Analyses for the various nutrients were be carried out by national contract laboratories following standard procedures, protocols and QA/QC.			
EMAP-CS	NUTRNT-NCA	Active	API 300 Flow Analyzer	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Nutrient Collections/Chemistry Metadata, U.S. Environmental Protection Agency, 10 p		
	Description		NH4, PO4, NO23, NO2, and Si were measured by analyzing filtered water with a segmented continuous flow analyzer (Astoria Pacific International (API) 300 Flow Analyzer)			
EMAP-CS	PSEP-TOC	Active	PSEP-TOC	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
EMAP-CS	PSEP86	Active	PSEP86: sediment grain size	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
EMAP-CS	S/M72:WA	Active	Ammonium-Slawyk/MacIsaac '72: EMAP-West, Washington State	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description		For Washington State, a modification of the Slawyk and MacIsaac (1972) procedure is used for the analysis of ammonium. A water sample is treated with phenol and alkaline hypochlorite in the presence of NH3 to form indophenol blue (Berthelot reaction). Sodium nitroferricyanide is used as a catalyst in the reaction. Precipitation of Ca and Mg hydroxides is eliminated by the addition of sodium citrate complexing reagent. The sample stream is passed through a 55 deg C heating bath, then through a 50 mm flowcell and absorbance is measured at 640 nm using a Technicon AutoAnalyzer II or Alpkem RFA/2 system.			
EMAP-CS	SAL_HI02	Active	AGE laboratory salinometer - EMAP-West Insular	Nelson, Walter G., Brock, Richard, Lee II, Henry, Lamberson, Janet O., Cole, Faith, 2007,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Province Hawaii 2002	Condition of Estuaries and Bays of Hawaii for 2002: A Statistical Summary., Office of Research and Development, National Health and Environmental Effects Research Laboratory, EPA/620/R-07/001., 153		
	Description		Salinity was determined using an AGE laboratory salinometer (limit of detection = 0.0001 ppt, accuracy = 0.003 ppt). Standard seawater (Copenhagen Water) was used to calibrate the instrument.			
EMAP-CS	SEABIRD CAST	Active	Seabird Data Logger/Profiler Cast	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p	Seabird CTD Profiler	
EMAP-CS	SECCHI CAST	Active	Secchi Disk Cast	U.S. Environmental Protection Agency, 2001, National Coastal Assessment: Field Operations Manual, USEPA NHEERL, Gulf Ecology Division, Gulf Breeze, FL, 72	Secchi Disk with Calibrated Tether	
	Description		Secchi disk with calibrated tether. Secchi depth was determined by using a standard 20-cm diameter black and white Secchi disc. The disc was lowered to the depth at which it could no longer be discerned, then was slowly retrieved until it just reappeared. The depth of reappearance was recorded as Secchi depth (rounded to the nearest 0.1 m).			
EMAP-CS	SECCHI-NCA	Active	Secchi disc cast-NCA	C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p		
	Description		A 20 cm diameter black and white Secchi disk was used with a line marked in 0.2 m intervals.			
EMAP-CS	SISE	Active	Sulfide ion-specific electrode measure the trapped, evolved hydrogen sulfide in solution	C. Strobel, 1996, EMAP-Estuaries 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p		
EMAP-CS	SM2540D	Active	SM2540D: EMAP-West CA 1999-2000 for TSS	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description		SM2540D: EMAP-West CA for total suspended solids (TSS) for CRG laboratory.			
EMAP-CS	SM4500NH 3	Active	SM4500NH3: EMAP-West CA 99-00 for NH4-N and	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			NO3-N	USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description		SM4500NH3: EMAP-West CA 1999 associated with Ammonium (NH4-N) and Nitrate (NO3-N) for CRG laboratory.			
EMAP-CS	SM4500NO3	Active	SM4500NO3: EMAP-West CA 1999-2000 for NO2	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description		SM4500NO3: EMAP-West CA 1999 associated with nitrite (NO2) for CRG laboratory.			
EMAP-CS	SM4500P	Active	SM4500P: EMAP-West CA 1999-2000 for PO4	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	Description		SM4500P: EMAP-West CA for Ortho-phosphate (PO4) for CRG laboratory.			
EMAP-CS	SW6010	Active	SW6010	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
EMAP-CS	SW7060	Active	SW7060 for AS	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description		From Standard Methods for Arsenic			
EMAP-CS	SW7740	Active	SW7740 for SE	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description		Standard Methods procedure for Selenium			
EMAP-CS	SW8081	Active	From Standard Methods	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
	Description		From Standard Methods			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
EMAP-CS	SW8081808 2	Active	SW80818082: From Standard Methods	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description From Standard Methods for PCB and pesticide analyses						
EMAP-CS	SW8270	Active	From Standard Methods	U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p		
Description From Standard Methods						
EMAP-CS	TOC-HI	Active	TOC Analyzer	Nelson, Walter G., Brock, Richard, Lee II, Henry, Lamberson, Janet O., Cole, Faith, 2007, Condition of Estuaries and Bays of Hawaii for 2002: A Statistical Summary., Office of Research and Development, National Health and Environmental Effects Research Laboratory, EPA/620/R-07/001., 153		
Description For analysis, the sediment will be dried and acidified to remove sources of inorganic carbon (e.g. carbonates); the analysis will be conducted using a TOC analyzer to combust the sample to form CO2 which is measured by infrared detection - EPA method 440.						
EMAP-CS	TOC-NCA	Active	Analysis of Total Organic Carbon	U.S. EPA, 1995, EMAP: Laboratory Methods Manual-Estuaries, Volume 1: Biological and Physical Analyses, Environmental Protection Agency, Office of Research and Development, Narragansett, RI, 128 p		
Description For the percent total organic carbon (TOC) analysis, sediment samples were acidified by immersion in 10% HCl to remove inorganic carbonate materials. The dried sediments were oxidized in a muffle furnace at 950 oC in pure O2. The evolved CO2 gas was integrated, compared to standard curves, and reported as percent organic carbon based on dry weight.						
EMAP-CS	TOX_TEST-HI	Active	Sediment Toxicity test method-NCA Hawaii 02	Nelson, Walter G., Brock, Richard, Lee II, Henry, Lamberson, Janet O., Cole, Faith, 2007, Condition of Estuaries and Bays of Hawaii for 2002: A Statistical Summary., Office of Research and Development, National Health and Environmental Effects Research Laboratory,		

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EMAP-CS Environmental Monitoring and Assessment Program						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				EPA/620/R-07/001., 153		
	Description	The 10-day, solid-phase toxicity test with the marine amphipod <i>Ampelisca abdita</i> was used to evaluate potential toxicity of sediments from all sites. Procedures followed the general guidelines provided in ASTM Protocol E1367-92 (ASTM 1991), the EPA amphipod sediment toxicity testing manual (USEPA, 1994a), and the EMAP Laboratory Methods Manual (USEPA 1995). The <i>Ampelisca</i> test is a 10-d acute toxicity test which measures the effect of sediment exposure on amphipod survival under static beaker conditions with aeration. Toxicity tests were conducted with sediment collected from a one-square meter area within which the sediment for analysis of organic and trace metal contaminants and other sediment characteristics was also collected.				
EMAP-CS	TOX_TEST-NCA	Active	Sediment Toxicity test method-NCA	U.S. EPA, 1995, EMAP: Laboratory Methods Manual-Estuarines, Volume 1: Biological and Physical Analyses, Environmental Protection Agency, Office of Research and Development, Narragansett, RI, 128 p		
	Description	In the <i>Ampelisca abdita</i> assay, amphipods were exposed to sediments for 10 days under static conditions using five replicate chambers. For each test, 200 mL of sediment sample were placed in a glass container and covered with 600 mL of clean, filtered water (maintained at 20 oC, a salinity of 30ppt, and a dissolved oxygen concentration >60% of saturation). Twenty juvenile amphipods (between 0.7 and 1.5 mm in length) were added to each test chamber for a ten-day exposure. The surviving amphipods were counted, and the results reported as the average number of amphipods surviving in the sample tests divided by the number of amphipods surviving in the control sediment, expressed as a percent. The result was considered to be statistically significant if sample and control values were distinct with a p-value <=0.05 in a one-tailed t-test. The assay was taken to indicate toxicity if the survival rate was less than 80% of the control and the test was statistically significant.				
EMAP-CS	TSS-NCA	Active	Dry/weigh filter pads rinsed in DI water to remove salts	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Nutrient Collections/Chemistry Metadata, U.S. Environmental Protection Agency, 10 p		
	Description	Dry/weigh filter pads rinsed in DI water to remove salts				
EMAP-CS	TURB_HI02	Active	Turbidity measurements for EMAP-West Insular Province Hawaii 2002	Nelson, Walter G., Brock, Richard, Lee II, Henry, Lamberson, Janet O., Cole, Faith, 2007, Condition of Estuaries and Bays of Hawaii for 2002: A Statistical Summary., Office of Research and Development, National Health and Environmental Effects Research Laboratory, EPA/620/R-07/001., 153		
	Description	Turbidity samples were collected as unfiltered water, and stored on ice in 125-ml polyethylene bottles until measurements were made. Turbidity was measured on a Monitek Model 21 nephelometer following procedures as described in Standard Methods (1985) and data were recorded in NTU.				
EMAP-CS	WSA	Active	Wet Sieve Analysis	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
EMAP-CS	YSI-NCA	Active	YSI model 6600_M used by NH and NY-NCA	C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p		
Description A YSI dissolved oxygen meter (Model M58) was used to check the Hydrolab DO and temperature readings. In 2002, measurements were made with a Seabird model 25.						

Field/Lab Analytical Procedures and Equipment Detail

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EPACANAW

Coyote Valley Tribal Council (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
EPACANAW	QAPP	Active	Quality Assurance Procedures Policy	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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EPAORD EPA Office of Research & Development						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
IDEXX	ENTEROLE RT	Active	Enterolert Quanti-Tray; Multi Tube, Multi Well, for Enterococci	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	1604	Active	Total Coliforms and E. coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium)	USEPA, 2002, Method 1604: Total Coliforms and Escherichia coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium), USEPA, EPA 821-R-02-024		

Field/Lab Analytical Procedures and Equipment Detail

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ESTO Eastern Shawnee Tribe of Oklahoma

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
HACH	8507	Active	Nitrite in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	1632	Active	Inorganic Arsenic in Water by Hydride Generation Quartz Furnace	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Hydride Atomic Absorption Spectrophotometer	
USEPA	1637	Active	Trace Elements in Water by Chelation Preconcentration and GFAA	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	

Field/Lab Analytical Procedures and Equipment Detail

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ESTO Eastern Shawnee Tribe of Oklahoma						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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EUREKA

SUPERFUND EUREKA MILLS

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
EUREKA	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
EUREKA	ILM05.2	Active	ILM05.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
EUREKA	ILM05.3	Active	ILM05.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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FCPC FOREST COUNTY POTAWATOMI COMMUNITY (Wisconsin)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2810	Active	Dissolved Gas Supersaturation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Membrane-Diffusion Apparatus	
APHA	4500-CL(B)	Active	Residual Chlorine in Water by Titration- Iodometric Method I	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(E)	Active	Chloride in Water by Colorimetry- Automated Ferricyanide Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(C)	Active	Ammonia in Water by Titrimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-	Active	Ammonia in Water by	American Public Health Association, 1992,	Ion Selective	

Field/Lab Analytical Procedures and Equipment Detail

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FCPC FOREST COUNTY POTAWATOMI COMMUNITY (Wisconsin)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	NH3(E)		Selective Electrode Method (Known Addition)	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Electrode	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-NO3(H)	Active	Nitrate in Water- Automated Hydrazine Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
ASTM	D3858	Active	Open-Channel Flow Measurement by Area	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	No equipment	
ASTM	D516	Active	Sulfate in Water by Turbidimeter	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Turbidimeter	
IDEXX	COLILERT/	Active	Colilert Quanti-Tray/2000;	American Public Health Association, 1998,		

Field/Lab Analytical Procedures and Equipment Detail

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FCPC FOREST COUNTY POTAWATOMI COMMUNITY (Wisconsin)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	2000		MPN - Multi Tube, Multi Well for E.coli	Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USDOI/USGS	I3765	Active	Residue by Evaporation and Gravimetric	USDOI, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	
USEPA	9060AM	Active	Total Volatile Organic Carbon	Unknown, 19--., No Cite - Method Not Cited, Unknown, Vol --	Total Organic Carbon - UV Oxidation - IR/FID Detector	

Field/Lab Analytical Procedures and Equipment Detail

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FLPRMRWS Peace River Manasota Regional Water Supply Authority (FL)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2520-C	Active	Salinity in Water- Density Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-CL(C)	Active	Residual Chlorine in Water by Titration- Iodometric Method II	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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FLPRMRWS Peace River Manasota Regional Water Supply Authority (FL)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
FLPRMRWS	353+351	Active	Total Nitrogen	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FLPRMRWS	CHLOROP HYL C	Active	Chlorophyl c	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FLPRMRWS	CHLOROP HYLL A	Active	Chlorophyll A performed by USGS	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FLPRMRWS	CHLOROP HYLL B	Active	Chlorophyll b	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/10200-H
FLPRMRWS	DOC	Active	Dissolved Inorganic Carbon	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FLPRMRWS	I-1250-85	Active	COLOR	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FLPRMRWS	I-142-87	Active	SILICA, DISSOLVED	Fishman, M.J., and Friedman, L.C, 1989, Methods for determination of inorganic substances in water and fluvial sediment, U.S. Geological Survey Techniques of Water-Resources Investigations, unk		
FLPRMRWS	I-2030-85	Active	ALKALINITY, TOTAL AS CaCO3	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		

Field/Lab Analytical Procedures and Equipment Detail

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FLPRMRWS Peace River Manasota Regional Water Supply Authority (FL)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
FLPRMRWS	I-2057-84	Active	CHLORIDE, DISSOLVED	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		APHA/4500-CL(C)
FLPRMRWS	I-2781-84	Active	SPECIFIC CONDUCTANCE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FLPRMRWS	I-3765-84	Active	RESIDUE, TOTAL NON-FILTERABLE AT 105 DEG C	Fishman, M.J., and Friedman, L.C, 1989, Methods for determination of inorganic substances in water and fluvial sediment, U.S. Geological Survey Techniques of Water-Resources Investigations, unk		
FLPRMRWS	I-3767-85	Active	RESIDUE, VOLITILE NON-FILTERABLE	Fishman, M.J., and Friedman, L.C, 1989, Methods for determination of inorganic substances in water and fluvial sediment, U.S. Geological Survey Techniques of Water-Resources Investigations, unk		
FLPRMRWS	I-3860-85	Active	TURBIDITY	Fishman, M.J., and Friedman, L.C, 1989, Methods for determination of inorganic substances in water and fluvial sediment, U.S. Geological Survey Techniques of Water-Resources Investigations, unk		
FLPRMRWS	I-4522-85	Active	NITROGEN ,AMMONIA	Fishman, M.J., and Friedman, L.C, 1989, Methods for determination of inorganic substances in water and fluvial sediment, U.S. Geological Survey Techniques of Water-Resources Investigations, unk		
FLPRMRWS	I-4540-84	Active	NITROGEN, NITRATE	Fishman, M.J., and Friedman, L.C, 1989, Methods for determination of inorganic substances in water and fluvial sediment, U.S. Geological Survey Techniques of Water-Resources Investigations, unk		
FLPRMRWS	I-4545-84	Active	NITROGEN, NO2 + NO3	American Public Health Association, 1998,		

Field/Lab Analytical Procedures and Equipment Detail

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FLPRMRWS Peace River Manasota Regional Water Supply Authority (FL)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FLPRMRWS	I-4552-84	Active	TKN	Fishman, M.J., and Friedman, L.C, 1989, Methods for determination of inorganic substances in water and fluvial sediment, U.S. Geological Survey Techniques of Water-Resources Investigations, unk		
FLPRMRWS	I-4600-84	Active	PHOSPHORUS, AS P TOTAL	Fishman, M.J., and Friedman, L.C, 1989, Methods for determination of inorganic substances in water and fluvial sediment, U.S. Geological Survey Techniques of Water-Resources Investigations, unk		
FLPRMRWS	I-4601-84	Active	PHOSPHORUS, ORTHOPHOSPHATE	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FLPRMRWS	LICOR	Active	Licor	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FLPRMRWS	NO2	Active	NITRATE NITROGEN	R. Malloy, 2002, Unreported methods, GES Research for FDEP, n/a		
FLPRMRWS	O-0004-78	Active	CARBON, INORGANIC TOTAL	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FLPRMRWS	PHEOPHYT IN	Active	PHEOPHYTIN ANALYSIS	R. Malloy, 2002, Unreported methods, GES Research for FDEP, n/a		
FLPRMRWS	TCOL	Active	TOTAL COLIFORM BACTERIA	R. Malloy, 2002, Unreported methods, GES Research for FDEP, n/a		
FLPRMRWS	TSS	Active	Total Suspended Solids	American Public Health Association, 1998,		APHA/2540-D

Field/Lab Analytical Procedures and Equipment Detail

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FLPRMRWS

Peace River Manasota Regional Water Supply Authority (FL)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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FLPRMRWS Peace River Manasota Regional Water Supply Authority (FL)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	

Field/Lab Analytical Procedures and Equipment Detail

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FONDULAC

Fond Du Lac Band of Chippewa (MN)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
FONDULAC	FDL_QAPP	Active	Fond Du Lac Quality Assurance Project Plan	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Fond Du Lac Quality Assurance Project Plan				
FONDULAC	UNKNOWN	Active	UNKNOWN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Methodology unknown				

Field/Lab Analytical Procedures and Equipment Detail

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FORTPECK

Assiniboine & Sioux Tribes Fort Peck Indian Reservation (MT)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-CL(G)	Active	Residual Chlorine by Colorimetry- DPD Colorimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CN(C)	Active	Cyanide in Water after Distillation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-O-G	Active	Total Dissolved Oxygen by	American Public Health Association, 1992,	Ion Selective	

Field/Lab Analytical Procedures and Equipment Detail

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FORTPECK

Assiniboine & Sioux Tribes Fort Peck Indian Reservation (MT)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Membrane Electrode Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Electrode	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
FORTPECK	FPTQAPP	Active	Fort Peck Tribes Quality Assurance Project Plan	FPTQAPP - Fort Peck Tribes, unknown, Fort Peck Tribes Quality Assurance Project Plan, Fort Peck Tribes, unknown		
Description Fort Peck Tribes Quality Assurance Project Plan						
FORTPECK	S-1.60	Active	S-1.60	FPTQAPP - Fort Peck Tribes, unknown, Fort Peck Tribes Quality Assurance Project Plan, Fort Peck Tribes, unknown		
FORTPECK	TN-CALC	Active	Total Nitrogen, Mixed Forms, Calculated	FPTQAPP - Fort Peck Tribes, unknown, Fort Peck Tribes Quality Assurance Project Plan, Fort Peck Tribes, unknown		AOAC/973.48
Description As per State of Montana Specs, this ID is to describe the Total Nitrogen as collected by the State of Montana, the value is a sum of all NH3+NH4+organic+NO2+NO3 forms						
USDOI/USGS	B0051	Active	Fecal Coliform Bacteria-Presumptive Test- MPN Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USDOI/USGS	B0065	Active	Fecal Streptococcal Bacteria-Presumptive/Confirmation-MPN Metho	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USEPA	1103.1	Active	Escherichia coli in Water by Membrane Filtration Using membrane-Thermotolerant E. coli Agar (mTEC)	USEPA, 2002, Method 1103.1: Escherichia coli (E. coli) in Water by Membrane Filtration Using membrane-Thermotolerant Escherichia coli Agar (mTEC) (September 2002), USEPA, EPA 821-R-02-020		

Field/Lab Analytical Procedures and Equipment Detail

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FORTPECK

Assiniboine & Sioux Tribes Fort Peck Indian Reservation (MT)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	1106.1	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus-Esculin Iron Agar (mE-EIA)	USEPA, 2002, Method 1106.1: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus-Esculin Iron Agar (mE-EIA) (September 2002), USEPA, EPA 821-R-02-021		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	218.4	Active	Hexavalent Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	325.3	Active				

Field/Lab Analytical Procedures and Equipment Detail

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FORTPECK

Assiniboine & Sioux Tribes Fort Peck Indian Reservation (MT)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	375.3	Active	Sulfate by Gravimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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FWC-WQMP

Florida Keys NMS - Water Quality Monitoring Program

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
FWC-WQMP	APA	Active	Alkaline Phosphatase Activity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description The APA assay measures the activity of alkaline phosphatase, an enzyme used by bacteria and algae to mineralize orthophosphate from organic compounds. The assay is performed by adding a known concentration of methylfluorescein phosphate to an unfiltered water sample. Alkaline phosphatase in the water sample cleaves the orthophosphate, leaving methylfluorescein, a highly fluorescent compound. Fluorescence at initial and after 2 hr incubation were measured using a Gilford Fluoro IV Spectrofluorometer (excitation = 430 nm, emission = 507 nm) and subtracted to give APA in iM h-1.						
FWC-WQMP	DENSITY	Active	Density	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Density measurements were made in-situ using CTD casts (Seabird SBE 19).						
FWC-WQMP	RATIO	Active	Simple Ratio Calculation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Ratio calculated using existing data.						
FWC-WQMP	SI	Active	Silicate	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Silicate was measured using the molybdosilicate method.						
FWC-WQMP	SRP	Active	Soluble Reactive Phosphorus	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Water samples for dissolved nutrients were dispensed into 3x sample rinsed 150 ml syringes which were then filtered by hand through 25 mm glass fiber filters (Whatman GF/F) into 3x sample rinsed 60 ml HDPE bottles.						
FWC-WQMP	TN	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Total nitrogen was measured using an ANTEK 7000N Nitrogen Analyzer using O2 as carrier gas to promote complete recovery of the nitrogen in the water samples.						
FWC-WQMP	TOC	Active	Total Organic Carbon Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description TOC was measured by direct injection onto hot platinum catalyst in a Shimadzu TOC-5000 after first acidifying to pH<2 and purging with CO2-free air.						
FWC-WQMP	TURBIDITY	Active	Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Turbidity was measured using an HF Scientific model DRT-15C						

Field/Lab Analytical Procedures and Equipment Detail

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FWC-WQMP		Florida Keys NMS - Water Quality Monitoring Program				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					turbidimeter and reported in NTU.	
FWC-WQMP	VATC	Active	Vertical Light Attenuation Coefficient	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	The vertical light attenuation coefficient (Kd, m-1) was calculated at 0.5 m intervals from PAR (photosynthetically active radiation) and depth using the standard exponential equation and averaged over the station depth. This was necessary due to periodic occurrence of optically distinct layers within the water column. During these events, Kd was reported for the upper layer. To determine the extent of stratification we calculated the difference between surface and bottom density as delta sigma-t (Δσt), where positive values denoted greater density of bottom water relative to the surface. A Δσt >1 is weakly stratified, while anything >2 is considered strongly stratified.					

Field/Lab Analytical Procedures and Equipment Detail

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FWC/FWRI

Fish Wildlife Conservation / Wildlife Research Institute(FL)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
FWC/FWRI	CREMP	Active	Coral Reef Evaluation and Monitoring Project	USEPA Díaz-Ramos S, Stevens Jr DL, Olsen AR., 1996, EMAP Statistical Methods Manual., USEPA, EPA 620/R-96-002		
Description The CRMP collects two forms of data over 43 coral sites in the Florida Keys National Marine Sanctuary. First, a pair of scientific divers takes a census of stony coral species present in a 2 x 22 m sampling station (image at top). Second, the 2 x 22 m station is divided into three, 22 m long transects. Video data are collected along that transect using a downward pointing camcorder (image above). The video data are later analyzed in the lab for quantitative measurements of percent coral cover.						

Field/Lab Analytical Procedures and Equipment Detail

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FWCLOCAL

Florida Fish and Wildlife Conservation Commission (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by	American Public Health Association, 1992,	Thermometer	

Field/Lab Analytical Procedures and Equipment Detail

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FWCLOCAL

Florida Fish and Wildlife Conservation Commission (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Thermometer	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	2580	Active	Oxidation-Reduction Potential of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3500-FE(D)	Active	Iron in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-O-B	Active	Total Dissolved Oxygen by Titration- Iodometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by	American Public Health Association, 1992,	Ion Selective	

Field/Lab Analytical Procedures and Equipment Detail

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FWCLOCAL Florida Fish and Wildlife Conservation Commission (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Membrane Electrode Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Electrode	
APHA	4500-P-D	Active	Phosphorus in Water by Stannous Chloride Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5550-B	Active	Tannin and Lignin by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
FWCLOCAL	2340-B	Active	Hardness by calculation	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
FWCLOCAL	419-D	Active	Nitrate in water by the Brucine Method	American Public Health Association, 1975, Standard Methods for the Examination of Water and Wastewater, 14th Edition, American Public Health Association, 14th Edition		
FWCLOCAL	4500-NH3-B,C	Active	Ammonia in Water by Distillation and Nesslerization	American Public Health Association, 1989, Standard Methods for the Examination of Water and Wastewater, 17th Edition, American Public Health Association, 17th Edition	Spectrophotometer	
FWCLOCAL	4500-NORG-B	Active	Organic Nitrogen by Macro-Kjeldahl Method and Nesslerization	American Public Health Association, 1989, Standard Methods for the Examination of Water and Wastewater, 17th Edition, American Public Health Association, 17th Edition		
FWCLOCAL	SPEC TURBIDITY	Active	Turbidity using spectrophotometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Spectrophotometer	
FWCLOCAL	STATION OBS	Active	Field Station Visit Direct Physical Measurements and Observations	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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FWCLOCAL Florida Fish and Wildlife Conservation Commission (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
FWCLOCAL	STATION WEATHER	Active	Field Station Visit Weather Observations	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	245.6	Active	Mercury in Tissue by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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FWCLOCAL		Florida Fish and Wildlife Conservation Commission (Florida)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter		
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector		
USEPA	9212	Active	Chloride in Water by ISE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Selective Electrode		

Field/Lab Analytical Procedures and Equipment Detail

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GLENDALE		City of Glendale (Colorado)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge		
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance		
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance		
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter		
APHA	4500-NH3(F)	Active	Ammonia in Water Using Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter		
APHA	4500-	Active	Nitrate in Water- Automated	American Public Health Association, 1992,	AutoAnalyzer		

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GLENDALE		City of Glendale (Colorado)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	NO3(F)		Cadmium Reduction	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition			
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode		
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter		
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)		
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector		
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter		
GLENDALE	FLOW	Active	Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer		
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome		

Field/Lab Analytical Procedures and Equipment Detail

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GLENDALE		City of Glendale (Colorado)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotomet er		
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		

Field/Lab Analytical Procedures and Equipment Detail

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GNLK01 MATCH-E-BE-NASH-SHE-WISH BAND OF POTAWATOMI (MI)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

Field/Lab Analytical Procedures and Equipment Detail

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GOLDHILL

Region 8 Superfund: Gold Hill Town and Mine

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
GOLDHILL	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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GPORPAGE

GRAND PORTAGE Band of CHIPPEWA INDIANS (MN)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
GPORPAGE	111.1	Active	Grand Portage Test FLP	USEPA, 1995, A Field Test of Lead-Based Paint Testing Technologies: Summary Report., USEPA, EPA 747/R-95-002A		AOAC/920.197(A)
Description GS created for Roadmap						
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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HANALEI Hanalei Watershed Study (Region 9) - Kauai, Hawaii						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
HACH	8157	Active	Dissolved Oxygen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Polarograph	
HACH	8160	Active	Conductivity in Water by Direct Measurement	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Conductivity Meter	
HACH	8195	Active	Determination of Turbidity	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8375	Active	Temperature, Thermometric	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HANALEI	FLOW	Active	Flow measurement - cfs	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
HANALEI	SUSPENDE D SED	Active	Suspended Sediment Concentration (SSC)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
HANALEI	TECHNICO N	Active	AutoAnalyzer II	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	AutoAnalyzer	
IDEXX	ENTEROLE RT2000	Active	Enterolert Quanti-Tray/2000; Multi Tube, Multi Well, for Enterococci	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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HANNAHWQ		HANNAHVILLE TRIBAL COMMUNITY				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
AOAC	973.48	Active	Total Nitrogen in Water	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	Nessler Tube	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2580	Active	Oxidation-Reduction Potential of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	2810	Active	Dissolved Gas Supersaturation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Membrane-Diffusion Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	

Field/Lab Analytical Procedures and Equipment Detail

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HANNAHWQ		HANNAHVILLE TRIBAL COMMUNITY				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	8141A(W)	Active	Organophosphorus Compounds in Water	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Flame Photometric Detector	

Field/Lab Analytical Procedures and Equipment Detail

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HI301H City and county of Honolulu						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3112-B	Active	Mercury in Water by CVAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Cold Vapor Atomic Absorption Spectrophotometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	3500-CR(D)	Active	Total Hexavalent Chromium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
HI301H	CTD	Active	CTD Profiler	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		SeaBird Electronics SBE 19 Seacat Profiler				
HI301H	CVAA SOLIDS	Active	Mercury in solids by CVAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		STL method in conformance with TetraTech 301(h) monitoring document				

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HI301H City and county of Honolulu						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
HI301H	ENT	Active	Enterococcus EPA 1600	USEPA, 1997, Method 1600: Membrane Filter test Method for Enterococci in Water., USEPA, EPA 821/R-97-004		
HI301H	EPA603 MODIFIED	Active	EPA 603 modified with use of MS for detector	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
HI301H	FLOW	Active	flow measurement by recorder or totalizer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
HI301H	HI301H	Active	Asbestos	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	EPA 100.2 using Transmission Electron Microscopy				
HI301H	ICP-AES SOLIDS	Active	Metals for sediment and fish tissue by ICP-AES	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	STL method in conformance with TetraTech 301(h) monitoring document				
HI301H	ICP-MS SOLIDS	Active	Metals in sediment and fish tissue by ICP-MS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	STL method in conformance with TetraTech 301(h) monitoring document				
HI301H	PERCENT LIPIDS	Active	PERCENT LIPIDS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	PERCENT LIPIDS BY WEIGHT FOLLOWING SOLVENT EXTRACTION				
HI301H	PERCENT SOLIDS	Active	PERCENT SOLIDS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	PERCENT SOLIDS BY WEIGHT				
HI301H	PLUMB	Active	Procedures for Handling and Chemical Analysis of Sediment and Water Samples	USEPA, 1981, Procedures for Handling and Chemical Analysis of Sediment and Water Samples., USEPA, 01A0005044		
	Description	Russell Plumb, Jr				
HI301H	SEDAVS	Active	Sediment Acid Volatile Sulfides	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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HI301H City and county of Honolulu						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description AVS by EPA draft method 12/91						
HI301H	SEDOCT	Active	Sediment Total Organic Carbon	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02		
Description TOC by ASTM D4129-82M (contract laboratory)						
HI301H	STL-ALKYLITINS	Active	STL (contract lab) Status & Trends GC-FPD method for Tributyltin	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Severn Trent Laboratories Status and Trends Alkyltins In-House Code: OR560 SOP No. LM-GC-ST Alkyltins						
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1624(S)	Active	Volatiles by Isotope Dilution - Soil	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	GC with Low Resolution Mass Spectrophotometer	
USEPA	1625(S)	Active	Semivolatiles - Soil, GC/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	

Field/Lab Analytical Procedures and Equipment Detail

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HI301H City and county of Honolulu						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200	Active	Metals by Atomic Absorption	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	200.1	Active	Metals in Marine Waters by ICP/MS	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.1(FLAA)	Active	Acid Soluble Metals in Water by FLAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Generic inspection-related equipment(eg color charts)	
USEPA	200.1(GFAA)	Active	Acid Soluble Metals in Water by GFAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Generic inspection-related equipment(eg color charts)	
USEPA	200.1(ICP)	Active	Acid Soluble Metals - ICP	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Generic inspection-related equipment(eg color charts)	
USEPA	200.11	Active	Metals in Fish Tissue by ICP-AES	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.12	Active	Elements in Water by Temperature GFAA	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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HI301H City and county of Honolulu						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	200.13	Active	Elements in Water by Chelation with GFAA	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	200.15	Active	Metals in Water by Nebulization and ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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HI301H City and county of Honolulu						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.2_M(S)	Active	Total Cyanide in Soils and Sediments	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Spectrophotometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(C)	Active	Ammonia Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

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HI301H City and county of Honolulu						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	603	Active	Acrolein and Acrylonitrile in Wastewater	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Flame Ionization Detector	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	613	Active	Tetrachlorodibenzo-p-dioxin by GC/MS	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Low Resolution Mass Spectrophotometer	
USEPA	614	Active	Organophosphorus Pesticides I	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Flame Photometric Detector	
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	625	Active	Base/Neutral and Acid Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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HI301H City and county of Honolulu						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8081A(SWB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8082(S)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8141A(S)	Active	Organophosphorus Compounds in Soil by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Flame Photometric Detector	
USEPA	8270C(S)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8280A(S)	Active	Polychlorinated Dioxins and Furans	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8290	Active	Polychlorinated PCDDs and PCDFs by HRGC/HRMS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Resolution Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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HO-CHUNK		Ho-Chunk Nation (WI)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(D)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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HO-CHUNK		Ho-Chunk Nation (WI)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotomet er	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	

Field/Lab Analytical Procedures and Equipment Detail

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IAAFO

Iowa DNR's Animal Feeding Operation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
IAAFO	H2O	Active	Water level measurement	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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IASNAPST		Iowa Geological Survey (Iowa)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
IASNAPST	APHA 9222G	Active	Fecal coliform-MF Partition Procedures	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USDOI/USGS	I3765	Active	Residue by Evaporation and Gravimetric	USDOI, USGS, 19--., Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Laboratory Balance	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1603	Active	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	USEPA, 2002, Method 1603: Escherichia coli (E. coli) in Water by Membrane Filtration Using Modified membrane-Thermotolerant Escherichia coli Agar (Modified mTEC) (September 2002), USEPA, EPA 821-R-02-023		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

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IASNAPST

Iowa Geological Survey (Iowa)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	507	Active	Nitrogen and Phosphorus Pesticides	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Nitrogen-phosphorus Detector	

Field/Lab Analytical Procedures and Equipment Detail

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IL_EPA	Illinois EPA					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-CN(I)	Active	Weak Acid Dissociable Cyanide in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
IL/SWSD	120.6	Active	Specific Conductance - Acid Deposition	Illinois State Water Survey, 19--, Methods for Acid Deposition, Illinois State Water Survey, EPA/600/4-86-024	Conductivity Bridge	
IL/SWSD	150.6	Active	pH of Wet Deposition - pH Meter	Illinois State Water Survey, 19--, Methods for Acid Deposition, Illinois State Water Survey, EPA/600/4-86-024	pH meter	
IL/SWSD	200.6	Active	Ca, Mg, K and Na in Wet Deposition	Illinois State Water Survey, 19--, Methods for Acid Deposition, Illinois State Water Survey, EPA/600/4-86-024	Flame Atomic Absorption Spectrophotometer	
IL_EPA	200.7	Active	Metals by ICP-AES	USEPA National Exposure Research Lab (NERL), 1994, Methods for the Determination of Metals in Environmental Samples, USEPA,		

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IL_EPA		Illinois EPA					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				EPA/600/R-94/111			
IL_EPA	200.8	Active	Metals by ICP/MS	USEPA National Exposure Research Lab (NERL), 1994, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA/600/R-94/111			
IL_EPA	515.3	Active	Chlorinated Acids by GC/ECD	IEPA LAB - Illinois EPA, 1993, IEPA Lab Methods Manual, Illinois EPA, Volumes 1 and 2	Gas Chromatograph		
IL_EPA	8081	Active	Organochlorine Pesticides by GC-ECD	USEPA Office of Solid Waste, 2000, Method to determine organochlorine pesticides in extracts using ECD or ELCD, USEPA, SW-846 Update IVB			
IL_EPA	8082	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1996, Method to determine concentrations of PCBs as Aroclors or PCB congeners, USEPA, SW-846, Rev.4			
IL_EPA	8141	Active	Organophosphorus Compounds by GC	USEPA Office of Solid Waste, 2000, Method to determine concentration of organophosphorus compounds by GC, USEPA, SW-846, Rev. 2			
IL_EPA	FIELD	Active	MEASURED IN FIELD	IEPA FIELD - Illinois EPA, 1994, Illinois EPA field methods manual, Illinois EPA, Sections B and H			
IL_EPA	HYDROLAB	Active	Hydrolab Multimeter	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Hydrolab Multi Probe Handheld Instrument		
IL_EPA	INL029	Active	Mercury in Fish	Illinois EPA, 2002, IEPA Lab Methods Manual-2002, Illinois EPA, Volume 1	Cold Vapor Atomic Absorption Spectrophotometer		
IL_EPA	LAB	Active	ANAYLZED IN LAB	IEPA LAB - Illinois EPA, 1993, IEPA Lab Methods Manual, Illinois EPA, Volumes 1 and 2			

Field/Lab Analytical Procedures and Equipment Detail

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IL_EPA	Illinois EPA					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
IL_EPA	ORL018	Active	Chlorinated Pesticides/PCBs in Fish	Illinois EPA, 2000, IEPA Lab Methods Manual-2000 , Illinois EPA, Volume 1	Gas Chromatograph	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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IL_EPA		Illinois EPA			Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer
USEPA	351.4	Active	Total Kjeldahl Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter
USEPA	375.4	Active	Sulfate by Turbidimetric	USEPA, 1983, Methods for Chemical Analysis of	Turbidimeter

Field/Lab Analytical Procedures and Equipment Detail

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IL_EPA	Illinois EPA					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Determination	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	420.2	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	8081(S)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8082(S)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8141(S)	Active	Organophosphorus Compounds in Soil by GC	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Capillary GC with Flame Photometric Detector	
USEPA	9050A	Active	Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Meter	
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	

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INSTOR		Indiana STORET				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3112-B	Active	Mercury in Water by CVAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Cold Vapor Atomic Absorption Spectrophotomet er	

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INSTOR		Indiana STORET					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
APHA	3500-CA(D)	Active	Calcium in Water by Titration Using EDTA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	3500-CR(D)	Active	Total Hexavalent Chromium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er		
APHA	3500-FE(B)	Active	Iron in Water by FLAA or GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment		
APHA	3500-K-D	Active	Potassium in Water by Flame Photometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Photometric Detector		
APHA	3500-MN(B)	Active	Manganese in Water by FLAA or GFAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flame Atomic Absorption Spectrophotomet er		
APHA	3500-NA(D)	Active	Sodium in Water by Flame Photometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Photometric Detector		
APHA	4500-CN(E)	Active	Cyanide in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter		
APHA	4500-CN(G)	Active	Cyanides Amenable to Chlorination after Distillation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection- related equipment(eg color charts)		

Field/Lab Analytical Procedures and Equipment Detail

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INSTOR		Indiana STORET				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	4500-CN(I)	Active	Weak Acid Dissociable Cyanide in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-SI(D)	Active	Silica in Water by Spectrophotometry- Molybdosilicate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-SO4(F)	Active	Sulfate in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5210-C	Active	Ultimate Biochemical Oxygen Test	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	

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INSTOR		Indiana STORET				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	5520-C	Active	Oil and Grease by Infrared Spectroscopy	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Infrared Spectrophotmeter	
APHA	5520-D	Active	Oil and Grease by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
ASTM	D422	Active	Particle-Size Analysis of Soils	American Society for Testing of Materials, 1994, ASTM Standards. Soil and Rock (I), American Society for Testing and Materials, Vol 4.08	No equipment	
INSTOR	2130-B	Active	Turbidity	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
INSTOR	2550-B(2)	Active	Water Temperature	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of	Conductivity	

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INSTOR		Indiana STORET			Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	
				Water and Wastes, USEPA, EPA 600/4-79-020	Bridge
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer
USEPA	1636	Active	Hexavalent Chromium in Ambient Water by Ion Chromatography	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Ion Chromatograph
USEPA	1638	Active	Trace Elements in Water by ICP/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Inductively Coupled Plasma Spectrophotometer
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace

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INSTOR		Indiana STORET				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					AA Spectrophotometer	
USEPA	204.2	Active	Antimony by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.3	Active	Arsenic by HYDAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Hydride Atomic Absorption Spectrophotometer	
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.2	Active	Calcium by EDTA Titrimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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INSTOR		Indiana STORET			Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	
USEPA	218.6	Active	Hexavalent Chromium by Ion Chromatograph	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Ion Chromatograph
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer
USEPA	245.5	Active	Mercury in Sediment by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer
USEPA	279.2	Active	Thallium by GFAA	USEPA, 1983, Methods for Chemical Analysis of	Graphite Furnace

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INSTOR		Indiana STORET					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				Water and Wastes, USEPA, EPA 600/4-79-020	Atomic Absorption Spectrophotomet er		
USEPA	283.2	Active	Titanium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er		
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet er		
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer		
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer		
USEPA	335.1	Active	Cyanides Amenable to Chlorination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotomet er		
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotomet er		
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		

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INSTOR		Indiana STORET				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.4	Active	Total Kjeldahl Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	376.2	Active	Sulfide by Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg	

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INSTOR		Indiana STORET				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					color charts)	
USEPA	410.1	Active	Mid-Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.2	Active	Low Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	
USEPA	418.1	Active	Total Recoverable Petroleum Hydrocarbons	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	425.1	Active	Methylene Blue Active Substances	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	525.2	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	

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INSTOR		Indiana STORET				Comparable
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	National Procedure ID
USEPA	547	Active	Glyphosate in Drinking Water by HPLC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	625	Active	Base/Neutral and Acid Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	7041	Active	Antimony by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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INSTOR		Indiana STORET				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	7060A	Active	Arsenic by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7740	Active	Selenium in Various Matrices by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7761	Active	Silver by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	7841	Active	Thallium by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	8310	Active	Polynuclear Aromatic Hydrocarbons	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	High Performance Liquid Chromatograph with	

Field/Lab Analytical Procedures and Equipment Detail

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INSTOR		Indiana STORET				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Fluorescence Dete	
USEPA	9012	Active	Total and Amenable Cyanides	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Colorimeter	
USEPA	9036	Active	Sulfate by Automated Colorimetry	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	AutoAnalyzer	
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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INTRMTN Superfund Intermountain Waste Oil Refinery						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
INTRMTN	9045D	Active	Soil and Waste pH (SW846-9045D)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
INTRMTN	ILM04.0	Active	ILM04.0	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
INTRMTN	ILM04.1	Active	ILM04.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
INTRMTN	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
INTRMTN	ILM05.3	Active	ILM05.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
INTRMTN	OLC03	Active	OLC03	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
INTRMTN	OLM04.2	Active	CLP Organic Low/Medium Concentration Waters and Soils	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Reference: Superfund Analytical Services/Contract Laboratory Program http://www.epa.gov/superfund/programs/clp/index.htm						
INTRMTN	TNRR1005	Active	Total Petroleum Hydrocarbons	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
INTRMTN	TO-15	Active	VOCs collected in canisters	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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INTRMTN Superfund Intermountain Waste Oil Refinery						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	8015B	Active	Non-Halogenated Organics Using GC/FID	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Flame Ionization Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	9045B	Active	Soil and Waste pH	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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INTRMTN

Superfund Intermountain Waste Oil Refinery

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update II., USEPA, SW-846_II		
USEPA	ICP-AES	Active	Inductively Coupled Plasma	USEPA, 19--, CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Inductively Coupled Plasma Combined with Mass Spectrophotome	

Field/Lab Analytical Procedures and Equipment Detail

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IOWATER

Iowa Volunteer Water Monitoring Program

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
IOWATER	CHEMPHY S	Active	IOWATER Chemical/Physical Assessment	Rich Leopold et al., 2001, IOWATER Training Manual, IDNR, Rev. 4/2001		

Field/Lab Analytical Procedures and Equipment Detail

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IOWATROK

Iowa Tribe of Oklahoma

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
IOWATROK	IT_QAPP	Active	Quality Assurance Project Plans (QAPP)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Oklahoma QAPP				
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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IRONMT Iron Mountain Mine Superfund Site						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
IRONMT	ANSP	Active	Academy of Natural Sciences of Philadelphia	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
IRONMT	DFG	Active	DFG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
IRONMT	DFG/DIESE LHORST	Active	DFG Dieselhorst	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
IRONMT	DFG/KESWICK	Active	DFG Keswick	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
IRONMT	DFG/L-027-95	Active	DFG/L-027-95	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
IRONMT	DFG/L-028-95	Active	DFG/L-028-95	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
IRONMT	DFG/L-029-95	Active	DFG/L-029-95	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
IRONMT	DFG/L-030-95	Active	DFG/L-030-95	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
IRONMT	DFG/SAC RIVER	Active	DFG/Sac River	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
IRONMT	INTERNAL	Active	Iron Mountain Mine Analytical Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
IRONMT	TMCO	Active	Tme Mountain Copper Co., LTD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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IRONMT	Iron Mountain Mine Superfund Site					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Inductively Coupled Plasma	

Field/Lab Analytical Procedures and Equipment Detail

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IRONMT		Iron Mountain Mine Superfund Site					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				Edition, Final Update I., USEPA, SW-846_I	Combined with Mass Spectrophotometer		
USEPA	7000A(FLAA)	Active	Atomic Absorption - FLAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Flame Atomic Absorption Spectrophotometer		
USEPA	7131A	Active	Cadmium by GFAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	7210	Active	Copper by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer		
USEPA	7211	Active	Copper by GFAA	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	7950	Active	Zinc by FLAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Flame Atomic Absorption Spectrophotometer		
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector		

Field/Lab Analytical Procedures and Equipment Detail

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JSKTRIBE

Jamestown SKlallam Tribe

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
JSKTRIBE	QAPP	Active	Quality Assurance Project Plan	QAPP - JSKTRIBE, 2008, Quality Assurance Project Plan, JSKTRIBE, volume 1		

Field/Lab Analytical Procedures and Equipment Detail

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KARUKDNR

KARUK Department of Natural Resources (DNR)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KARUKDNR	QAPP	Active	Karuk Quality Assurance Project Plan	QAPP - Karuk DNR, 2007, Karuk Quality Assurance Project Plan, Karuk DNR, 1		

Field/Lab Analytical Procedures and Equipment Detail

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KATRINA6

Region 6 Katrina Emergency Monitoring Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KATRINA6	1664A	Active	1664A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	200.2	Active	200.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	200.7	Active	200.7	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	245.1	Active	Metals Mercury 245.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	2540G	Active	2540 G (Dry Weight)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	335.3	Active	335.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	335.4	Active	335.4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	350.1	Active	350.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	350.2	Active	350.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	350.3	Active	350.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	3500-CR D	Active	3500-Cr D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	365.1	Active	365.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	365.2	Active	365.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	405.1	Active	405.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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KATRINA6

Region 6 Katrina Emergency Monitoring Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KATRINA6	420.1	Active	420.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	420.2	Active	420.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	515.4	Active	P/P 515.4 Herbicides	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	6010B	Active	Metals ICP 6010B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	7000A	Active	7000A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	7196A	Active	7196A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	8015B	Active	8015B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	8015M	Active	8015M	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	8081A	Active	P/P NOLA 8081A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	8082	Active	8082	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	8141	Active	P/P NOLA 8141	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	8151A	Active	8151A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	8260B	Active	8260B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	8270	Active	8270	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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KATRINA6

Region 6 Katrina Emergency Monitoring Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KATRINA6	9071M	Active	9071M	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	9213D	Active	9213D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	9222 B	Active	9222 B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	9222 D	Active	9222 D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	ABN 8270	Active	ABN 8270	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	A_VOC_IH	Active	A_VOC_IH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	BACT	Active	BACT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	BIOLOGY E. COLI	Active	Biology E. Coli	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	B_ECOLI	Active	Biology E. Coli	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	B_TOTCOL	Active	Biology Total Coliform	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	CN	Active	CN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	E160.2	Active	E160.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	E1665A	Active	E1665A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	E200.7	Active	E200.7	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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KATRINA6

Region 6 Katrina Emergency Monitoring Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KATRINA6	E245.1	Active	E245.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	E335.3	Active	E335.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	E350.1	Active	E350.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	E353.2	Active	E353.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	E415.1	Active	E415.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	E624	Active	E624	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	E625	Active	E625	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	EPA 200.7	Active	EPA 200.7	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	EPA 608	Active	EPA 608	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	HACH 8000	Active	HACH 8000	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	ICP 200.7	Active	ICP 200.7	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	M5210 B	Active	M5210 B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	MERCURY 245.1	Active	Mercury 245.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	N5506	Active	N5506	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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KATRINA6

Region 6 Katrina Emergency Monitoring Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KATRINA6	O&G 1664A	Active	O&G 1664A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	P/P 515.4 HERB	Active	P/P 515.4 Herb	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	P/P NOLA 8081A	Active	P/P NOLA 8081A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	P/P NOLA 8141	Active	P/P NOLA 8141	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	PHEN	Active	PHEN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	REAC_SOP 1805	Active	REAC_SOP 1805	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SM-3500CR_D	Active	SM-3500CR_D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SM5210B	Active	SM5210B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW-846 6010B	Active	SW-846 6010B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW-846 7470A	Active	SW-846 7470A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW-846 7471A	Active	SW-846 7471A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW-846 8015B	Active	SW-846 8015B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW-846 8015BGAS	Active	SW-846 8015B GAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW-846	Active	SW-846 8015Mod	Unknown, 19--, No Cite - Method Not Cited,		

Field/Lab Analytical Procedures and Equipment Detail

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KATRINA6

Region 6 Katrina Emergency Monitoring Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	8015MOD			Unknown, Vol --		
KATRINA6	SW-846 8081A	Active	SW-846 8081A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW-846 8082	Active	SW-846 8082	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW-846 8151A	Active	SW-846 8151A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW-846 8260B	Active	SW-846 8260B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW-846 8270C	Active	SW-846 8270C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW6010B	Active	SW6010B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW7470A	Active	SW7470A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	SW8260B	Active	SW8260B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	TOTAL COLIFORM	Active	Total Coliform	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	TPH 1664A	Active	TPH 1664A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATRINA6	VOA 8260	Active	VOA 8260	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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KATSPROJ Katrina Response Special Projects					
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Comparable National Procedure ID
KATSPROJ	2540G	Active	2540 G (Dry Weight)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	335.3	Active	335.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	350.3	Active	350.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	3500-CR D	Active	3500-Cr D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	365.1	Active	365.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	415.1	Active	415.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	420.2	Active	420.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	8260B	Active	8260B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	8270	Active	8270	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	9071M	Active	9071M	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	9213D	Active	9213D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	9222 B	Active	9222 B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	9222D	Active	9222D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
KATSPROJ	A2540G	Active	A2540G	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	

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KATSPROJ Katrina Response Special Projects						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KATSPROJ	D2216	Active	D2216	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	EPA 160.2	Active	EPA 160.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	EPA 353.2	Active	EPA 353.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	EPA 405.1	Active	EPA 405.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	EPA160	Active	EPA160	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	HACH 8000	Active	HACH 8000	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	O&G 1664A	Active	O&G 1664A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846 6010B	Active	SW-846 6010B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846 7470A	Active	SW-846 7470A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846 7471A	Active	SW-846 7471A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846 8015B	Active	SW-846 8015B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846 8081	Active	SW-846 8081	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846 8081A	Active	SW-846 8081A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846 8082	Active	SW-846 8082	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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KATSPROJ Katrina Response Special Projects						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KATSPROJ	SW-846 8151A	Active	SW-846 8151A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846 8270	Active	SW-846 8270	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846 8720	Active	SW-846 8720	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846_6010BI CP	Active	SW-846_6010B ICP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW-846_8015B GAS	Active	SW-846_8015B GAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW846 6010	Active	SW846 6010	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW846 7470	Active	SW846 7470	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW846 7471	Active	SW846 7471	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW846 8121	Active	SW846 8121	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW846 8260	Active	SW846 8260	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	SW846 8270	Active	SW846 8270	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	TM-SOLID	Active	TM - Solid	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KATSPROJ	TPH 1664A	Active	TPH 1664A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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KAWNATON		Kaw Nation of Oklahoma				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
KAWNATON	10029	Active	Kaw Standard Operating Procedure	KAW_QAPP - Kaw Nation, unknown, Kaw Nation Quality Assurance Project Plan, Kaw Nation, unknown		
	Description	Kaw Lake QAPP				
KAWNATON	KAW_SOP	Active	Kaw standard operating procedures	KAW_QAPP - Kaw Nation, unknown, Kaw Nation Quality Assurance Project Plan, Kaw Nation, unknown		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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KAWNATON

Kaw Nation of Oklahoma

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.2(A)	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	

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KAWNATON

Kaw Nation of Oklahoma

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	619	Active	Triazine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8081A(SNB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8141A(W)	Active	Organophosphorus Compounds in Water	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Flame Photometric Detector	

Field/Lab Analytical Procedures and Equipment Detail

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KICKAPOO

Kickapoo Tribe of Oklahoma Department of Environmental Progr

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KICKAPOO	KICKAPOO _AP	Active	Kickapoo Analytical Procedures	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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KWMNDATA

Keystone Watershed Monitoring Network (Pennsylvania)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
KWMNDATA	ALKALINIT Y	Active	Alkalinity Test, Titration with Sulfuric Acid, DEP Lab	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KWMNDATA	CHLOROPHYLL A	Active	Chlorophyll a Corrected for Pheophytin, National Standard, Spectrophotometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KWMNDATA	COND. METER	Active	Oakton Instruments Conductivity Meter, ECTester Low	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Meter	
KWMNDATA	HACH ALKALINIT Y	Active	Hach Alkalinity Test Kit, Model AL-AP MG/L, Cat. No. 24443-01	Schuylkill Center for Env. Ed., Env. Alliance for Senior Involvement, and the DEP Citizens' Volunteer Monitoring Program, 2001, Pennsylvania Volunteer Water Quality Manual, Environmental Alliance for Senior Involvement, 1-76	Field/Laboratory Test Kit	
KWMNDATA	HACH COLORIMETER	Active	Hach Colorimeter, Model DR/850	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Colorimeter	
KWMNDATA	HACH DO KIT	Active	Hach Dissolved Oxygen Test Kit, Model OX-2P, Cat. No. 1469-00	Schuylkill Center for Env. Ed., Env. Alliance for Senior Involvement, and the DEP Citizens' Volunteer Monitoring Program, 2001, Pennsylvania Volunteer Water Quality Manual, Environmental Alliance for Senior Involvement, 1-76	Field/Laboratory Test Kit	
KWMNDATA	HACH NO3 KIT	Active	Hach Nitrate Test Kit, Model NI-14, Cat. No. 14161-33	Schuylkill Center for Env. Ed., Env. Alliance for Senior Involvement, and the DEP Citizens' Volunteer Monitoring Program, 2001, Pennsylvania Volunteer Water Quality Manual, Environmental Alliance for Senior Involvement, 1-76	Field/Laboratory Test Kit	

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KWMNDATA

Keystone Watershed Monitoring Network (Pennsylvania)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KWMNDATA	HACH PO4 KIT	Active	Hach Test Kit for Phosphate Model P0-24, Cat. No. 2250-01	Schuylkill Center for Env. Ed., Env. Alliance for Senior Involvement, and the DEP Citizens' Volunteer Monitoring Program, 2001, Pennsylvania Volunteer Water Quality Manual, Environmental Alliance for Senior Involvement, 1-76	Field/Laboratory Test Kit	
KWMNDATA	HACH POCKET PAL	Active	Hach Pocket Pal pH Tester	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
KWMNDATA	HACH S04 KIT	Active	Hach Sulfate Test Kit, Model SF-1, Cat. No. 2251-00	Schuylkill Center for Env. Ed., Env. Alliance for Senior Involvement, and the DEP Citizens' Volunteer Monitoring Program, 2001, Pennsylvania Volunteer Water Quality Manual, Environmental Alliance for Senior Involvement, 1-76	Field/Laboratory Test Kit	
KWMNDATA	HANNA PH	Active	Hanna Pocket pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
KWMNDATA	LAMOTTE 1066	Active	Water Temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
KWMNDATA	LAMOTTE 2117	Active	pH in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
KWMNDATA	LAMOTTE 3119	Active	Ortho-phosphate	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
KWMNDATA	LAMOTTE 3119 N	Active	Nitrate-Nitrogen, using Lamotte 3119	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
KWMNDATA	LAMOTTE 3354	Active	Nitrate-Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
KWMNDATA	LAMOTTE 3703	Active	Lamotte Nitrate Wide Range CTA TesTabs	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
KWMNDATA	LAMOTTE 3976	Active	Lamotte Dissolved Oxygen Testabs	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	

Field/Lab Analytical Procedures and Equipment Detail

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KWMNDATA Keystone Watershed Monitoring Network (Pennsylvania)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
KWMNDATA	LAMOTTE 5422	Active	Lamotte Phosphorus TesTabs	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
KWMNDATA	LAMOTTE 5860	Active	Dissolved Oxygen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
KWMNDATA	LAMOTTE 6459	Active	Lamotte Wide Range pH Test Tabs, 6459	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
KWMNDATA	LAMOTTE THERM	Active	Lamotte Thermometer	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Thermometer	
KWMNDATA	PH STRIPS	Active	pH in Water using pH strips	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Field/Laboratory Test Kit	
KWMNDATA	SECCHI	Active	Secchi Disk	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Secchi Disk with Calibrated Tether	
KWMNDATA	THERMOMETER	Active	Thermometer for Water Temperature	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Thermometer	
KWMNDATA	TITRATOR	Active	Hach Digital Titrator, Model 16900	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Titration Apparatus	
KWMNDATA	TOTAL N	Active	Total Nitrogen, DEP Laboratory	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KWMNDATA	TSS	Active	Total Suspended Solids	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KWMNDATA	TURBIDITY	Active	Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
KWMNDATA	YSI DO	Active	YSI 52 Dissolved Oxygen Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	YSI Multi Probe Handheld Instrument	

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LADEQKAT

Louisiana Dept of Env Quality Katrina Monitoring Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
LADEQKAT	245.1	Active	Metals Mercury 245.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	3500-CR D	Active	3500-Cr D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	515.4	Active	P/P 515.4 Herbicides	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	8081A	Active	P/P NOLA 8081A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	8260B	Active	8260B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	8270	Active	8270	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	9222 D	Active	9222 D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	ABN 8270	Active	ABN 8270 Routine List	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	BACT	Active	BACT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	E200.7	Active	E200.7	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	E245.1	Active	E245.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	E335.3	Active	E335.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	E624	Active	E624	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	E625	Active	E625	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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LADEQKAT

Louisiana Dept of Env Quality Katrina Monitoring Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
LADEQKAT	EPA 200.7	Active	EPA 200.7	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	EPA 608	Active	EPA 608	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LADEQKAT	ICP 200.7	Active	Metals ICP 200.7	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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LADEQWPD		LDEQ/Watershed Planning Division				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
LADEQWPD	LDEQ-FMO	Active	LDEQ - Field Collection Procedures	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Standard Surface Water Collection Procedures according to the SOPs and QAPPs of the Office of Environmental Compliance/Surveillance Division.				
LADEQWPD	UK_LAB	Active	Unkown Lab Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Procedures were not recorded in LDEQ's database prior to 2002.				
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	1632	Active	Inorganic Arsenic in Water by Hydride Generation Quartz Furnace	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Hydride Atomic Absorption Spectrophotometer	
USEPA	1638	Active	Trace Elements in Water by ICP/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Inductively Coupled Plasma Spectrophotometer	
USEPA	1639	Active	Trace Elements in Water by	USEPA, 1990, U.S. EPA Analytical Methods for	Graphite Furnace	

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LADEQWPD		LDEQ/Watershed Planning Division					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
			GFAA	the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Atomic Absorption Spectrophotometer		
USEPA	1640	Active	Trace Elements in Water by Chelation Preconcentration and ICP/MS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Inductively Coupled Plasma Spectrophotometer		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer		
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with Mass Spectrophotome		
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph		
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph		
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph		
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		

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LADEQWPD		LDEQ/Watershed Planning Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	601	Active	Purgeable Halocarbons in Wastewater	USEPA, 19-- , Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electron Capture Detector	
USEPA	602	Active	Purgeable Aromatics in Wastewater by GC	USEPA, 19-- , Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Photoionization Detector	

Field/Lab Analytical Procedures and Equipment Detail

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LAKELAND		City of Lakeland (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2120-C	Active	Color in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3111-D	Active	Metals in Water by FLAA-Direct Nitrous Oxide-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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LAKELAND City of Lakeland (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
LAKELAND	AMMONIA UN-ION	Active	Un-ionized Ammonia	FDEP Central Analytical Laboratory, Tallahassee, FI Revision #1, 1983, Analysis of Un-Ionized Ammonia, FDEP QA Section, Revision 1, Ppg 1-18		
LAKELAND	CHLA - 4.3.1	Active	chlorophyl "a" analysis	JDH Strickland & TR Parsons, 1968, A practical handbook of seawater analysis, Journal: Fisheries Resource Board of Canada, Section 4.3.1		
LAKELAND	EPA 5.1	Active	Macroinvertebrate Field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters	USEPA, Donald J. Klemm, Philip A. Lewis, Florence Fulk, and James M. Lazorchak, 1990, Macroinvertebrate Field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters, USEPA, Environmental Monitoring Systems Laboratory- Cincinnati, Office of Research and Development, 600/4-90/030	Phase Contrast Microscope	APHA/10500-C
LAKELAND	NITROGEN	Active	Total Nitrogen	City of Lakeland, 1999, Total Nitrogen, City of Lakeland, 1		
LAKELAND	OXYGEN	Active	Dissolved Oxygen	Hydrolab, 1999, Field Observations, City of Lakeland, 1		
LAKELAND	PHYTOPLANKTON	Active	Phytoplankton Analysis	Dr. St. Amand, A., 1990, HPMa Method for producing algal sample slides for Phytoplankton Analysis, University of Notre Dame, 1		
LAKELAND	SECCHI	Active	Secchi Depth	Hydrolab, 1999, Field Observations, City of Lakeland, 1		

Field/Lab Analytical Procedures and Equipment Detail

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LAKELAND		City of Lakeland (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
LAKELAND	TEMP	Active	Temperature	Hydrolab, 1999, Field Observations, City of Lakeland, 1		
LAKELAND	TSI	Active	Trophic State Index	FDEP, 1996, Trophic State Index for Lakes/FDEP1996 305(b) report, FDEP, 1,1		
LAKELAND	TURB	Active	Turbidity	Hydrolab, 1999, Field Observations, City of Lakeland, 1	Probe	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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LEWWTP Littleton/Englewood Wastewater Treatment Plant (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(F)	Active	Ammonia in Water Using Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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LEWWTP Littleton/Englewood Wastewater Treatment Plant (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
HACH	8000	Active	Chemical Oxygen Demand	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
HACH	8001(A1)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8038	Active	Ammonia Nitrogen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8190	Active	Total Phosphorus in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8195	Active	Determination of Turbidity	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8507	Active	Nitrite in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
IDEXX	COLILERT	Active	Colilert Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
LEWWTP	10129	Active	Hach Method for Organic Carbon	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LEWWTP	COLILERT	Active	Colilert	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
LEWWTP	FLOW	Active	Flow	Unknown, 19--, No Cite - Method Not Cited,		

Field/Lab Analytical Procedures and Equipment Detail

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LEWWTP Littleton/Englewood Wastewater Treatment Plant (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Unknown, Vol --		
LEWWTP	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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LEWWTP Littleton/Englewood Wastewater Treatment Plant (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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LRBOI Little River Band of Ottawa Indians						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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LRBOI Little River Band of Ottawa Indians						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	9050	Active	Specific Conductance	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Conductivity Bridge	

Field/Lab Analytical Procedures and Equipment Detail

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LSIOUX Lower Sioux Indian Community (MN)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
ASTM	D1293(B)	Active	pH of Water By Routine Measurement	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	pH meter	
IDEXX	COLILERT	Active	Colilert Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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LTBBWATR

Little Traverse Bay Bands of Odawa Indians

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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LUMMINSN		LummiNation (Washington)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-D	Active	Salinity in Water- Algorithm of Practical Salinity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection- related equipment(eg color charts)	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3111-B	Active	Metals in Water by FLAA- Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotomet er	

Field/Lab Analytical Procedures and Equipment Detail

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LUMMINSN		LummiNation (Washington)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	5540-C	Active	Anionic Surfactants in Water as MBAS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
ASTM	D5413(A)	Active	Water Levels Using Nonrecording Devices	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	No equipment	
ASTM	D6503	Active	Standard Test Method for Enterococci in Water Using Enterolert	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02		
ASTM	D888(B)	Active	Dissolved Oxygen by Instrumental Probe	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Ion Selective Electrode	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1652	Active	Oil and Grease	USEPA, 1990, U.S. EPA Analytical Methods for	Laboratory	

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LUMMINSN		LummiNation (Washington)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Balance		
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer		
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer		
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode		
USEPA	360.2	Active	Dissolved Oxygen by	USEPA, 1983, Methods for Chemical Analysis of	Titration		

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LUMMINSN		LummiNation (Washington)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Winkler Technique	Water and Wastes, USEPA, EPA 600/4-79-020	Apparatus	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	376.2	Active	Sulfide by Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	8015B	Active	Non-Halogenated Organics Using GC/FID	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Flame Ionization Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass	

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LUMMINSN	LummiNation (Washington)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
					Spectrophotometer	
USEPA	9050	Active	Specific Conductance	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Conductivity Bridge	
USEPA	9050A	Active	Specific Conductance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Conductivity Meter	
USEPA	9253	Active	Chloride in Water and Waste by Titration	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Titration Apparatus	

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MACOS

Region 8 Superfund: East Macos Watershed

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MACOS	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MACOS	ILM05.3	Active	ILM05.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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MAKAH

Makah Tribe (Washington)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MAKAH	QAPP	Active	Quality Assurance Project Plan	QAPP - Makah tribe, 2008, Makak Quality Assurance Project Plan, Makah tribe, 1-1		

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MBMG

Montana Bureau of Mines and Geology

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MBMG	PEBBLE	Active	Pebble Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Pebble count field activity.				

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MCNCREEK		Muscogee (Creek) Nation				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	

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MDEDAT01 Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDEDAT01	116	Active	Organic Methods	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
<p>Description Biota -Samples of various species were collected using appropriate techniques and were frozen at -40°C in pre-cleaned glass containers until extracted. Whole organisms or pooled organisms were weighed frozen, mixed with a known quantity of anhydrous sodium sulfate and homogenized with dry ice in a stainless steel Oster homogenizer. The dry ice was allowed to evaporate and a known weight of the homogenate was extracted for 48 hours in a Soxhlet apparatus with 250 ml of (2:1) methylene chloride: methanol (pesticide grade). A sub sample of the tissue homogenate was weighed and dried to a constant weight in a 130°C oven.</p> <p>The extract was evaporated in two stages in a rotary vacuum evaporator to 10 ml and then under a stream of nitrogen to dryness. The residue was then saponified in 2% KOH in methanol for 24 hours, and extracted with three volumes of hexane to remove lipids. The hexane extracts were evaporated under nitrogen and the final residue was dissolved in 1.0 ml of hexane containing the internal standard d10- anthracene. These samples were stored at -40°C in 2 ml glass ampoules sealed with Teflon-lined septa until analyzed.</p> <p>Quantitative Analysis The amount of each organic compound in the samples of water, sediments and biota was determined using the internal standard method. Standards of the 44 compounds or samples containing the internal standard d10- anthracene were chromatographed on a 50 m wall-coated SP 2100 fused silica capillary column in a Hewlett Packard 5985B gas chromatograph/mass spectrometer. Four micro-liters were injected in the splitless mode at 40°C. The column was then temperature programmed to 100°C in 3 minutes and then to 300°C at 5 degrees C/min. The carrier gas flow was 1 ml/min of He through the capillary column. The mass spectrometer was operated in the electron impact mode with an ionizing voltage of 70 eV, a source temperature of 200°C and a source pressure of 4-6 x 10⁻⁶ torr. Each compound was detected using three diagnostic selected ions characteristic of the compound. Calibration curves of the response per mg of each compound relative to the response observed for the internal standard were prepared and used to convert the responses observed for samples to concentrations in the extracts.</p> <p>The identity of each compound was confirmed by: 1) its retention time relative to the internal standard; 2) the presence of all three characteristic ions; and 3) the correct intensity ratios of the three characteristic ions.</p>						
MDEDAT01	180	Active	BoxCore Sampling-Standard Sedimentological Procedures	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
MDEDAT01	181	Active	Chromium in sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System		

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MDEDAT01

Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
				Description a) Surficial sampling using Petersen-type samplers; subsamples taken from the top few centimeters, placed in plastic bags. b) Sediment solids fused with LiBO2 followed by dissolution in solution composed of 4% HNO3, 1,000 ppm La (from La(NO3)3) and 2,000 ppm Cs (from CsNO3) and analyzed by direct aspiration AAS using the recommended standard Flame Atomic Absorption Salinometry (F.A.A.S.) conditions.		
MDEDAT01	182	Active	Copper in sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
				Description a) Surficial sampling using Petersen-type samplers; subsamples taken from the top few centimeters, placed in plastic bags. b) Sediment solids fused with LiBO2 followed by dissolution in solution composed of 4% HNO3, 1,000 ppm La (from La(NO3)3) and 2,000 ppm Cs (from CsNO3) and analyzed by direct aspiration AAS using the recommended standard Flame Atomic Absorption Salinometry (F.A.A.S.) conditions.		
MDEDAT01	183	Active	Iron in sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
				Description a) Surficial sampling using Petersen-type samplers; subsamples taken from the top few centimeters, placed in plastic bags. b) Sediment solids fused with LiBO2 followed by dissolution in solution composed of 4% HNO3, 1,000 ppm La (from La(NO3)3) and 2,000 ppm Cs (from CsNO3) and analyzed by direct aspiration AAS using the recommended standard Flame Atomic Absorption Salinometry (F.A.A.S.) conditions.		
MDEDAT01	184	Active	Manganese in sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
				Description a) Surficial sampling using Petersen-type samplers; subsamples taken from the top few centimeters, placed in plastic bags. b) Sediment solids fused with LiBO2 followed by dissolution in solution composed of 4% HNO3, 1,000 ppm La (from La(NO3)3) and 2,000 ppm Cs (from CsNO3) and analyzed by direct aspiration AAS using the recommended standard Flame Atomic Absorption Salinometry (F.A.A.S.) conditions.		
MDEDAT01	185	Active	Nickel in sediments	Maryland Department of Natural Resources,		

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MDEDAT01

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description				1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminisrtation Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
				a) Surficial sampling using Petersen-type samplers; subsamples taken from the top few centimeters, placed in plastic bags. b) Sediment solids fused with LiBO2 followed by dissolution in solution composed of 4% HNO3, 1,000 ppm La (from La(NO3)3) and 2,000 ppm Cs (from CsNO3) and analyzed by direct aspiration AAS using the recommended standard Flame Atomic Absorption Salinometry (F.A.A.S.) conditions.		
MDEDAT01	186	Active	Zinc in sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminisrtation Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
Description				a) Surficial sampling using Petersen-type samplers; subsamples taken from the top few centimeters, placed in plastic bags. b) Sediment solids fused with LiBO2 followed by dissolution in solution composed of 4% HNO3, 1,000 ppm La (from La(NO3)3) and 2,000 ppm Cs (from CsNO3) and analyzed by direct aspiration AAS using the recommended standard Flame Atomic Absorption Salinometry (F.A.A.S.) conditions.		
MDEDAT01	23	Active	Arsenic (As) in Sediments/tissue	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminisrtation Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Flame Atomic Absorption Spectrophotometer	USEPA/206.3
MDEDAT01	24	Active	Arsenic (As) in water	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminisrtation Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
MDEDAT01	25	Active	Cadmium (Cd) in sediments/tissue/seston	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminisrtation Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/213.2

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MDE DAT01

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDE DAT01	26	Active	Cadmium (Cd) in sediments/tissue/seston	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Flame Atomic Absorption Spectrophotometer	USEPA/213.1
MDE DAT01	27	Active	Cadmium (Cd) in water	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	
MDE DAT01	28	Active	Chromium (Cr) in sediments/tissue	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/218.2
MDE DAT01	30	Active	Chromium (Cr) in Tissue/Seston	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/218.2_M
MDE DAT01	304	Active	Chromium (Cr) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		

Description

(a) Sampling technique

Surficial sampling using Petersen - type grab sampler; subsamples taken from top few centimeters, placed in plastic bags, and refrigerated

(b) Analysis technique

Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO₃ is substituted for HNO₃ alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Cr (i.e., the wavelength showing the best recovery) is 282.563.						
MDEDAT01	305	Active	Copper (Cu) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
Description (a) Sampling technique Surficial sampling using Petersen - type grab sampler; subsamples taken from top few centimeters, placed in plastic bags, and refrigerated (b) Analysis technique Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Cu (i.e., the wavelength showing the best recovery) is 327.396.						
MDEDAT01	306	Active	Iron (Fe) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
Description (a) Sampling technique Surficial sampling using Petersen - type grab sampler; subsamples taken from top few centimeters, placed in plastic bags, and refrigerated (b) Analysis technique Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Fe (i.e., the wavelength showing the best recovery) is 238.204.						
MDEDAT01	307	Active	Manganese (Mn) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
Description	<p>(a) Sampling technique Surficial sampling using Petersen - type grab sampler; subsamples taken from top few centimeters, placed in plastic bags, and refrigerated</p> <p>(b) Analysis technique Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Mn (i.e., the wavelength showing the best recovery) is 257.610.</p>					
MDEDAT01	308	Active	Nickel (Ni) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
Description	<p>(a) Sampling technique Surficial sampling using Petersen - type grab sampler; subsamples taken from top few centimeters, placed in plastic bags, and refrigerated</p> <p>(b) Analysis technique Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Ni (i.e., the wavelength showing the best recovery) is 341.476.</p>					
MDEDAT01	309	Active	Zinc (Zn) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
Description	<p>(a) Sampling technique Surficial sampling using Petersen - type grab sampler; subsamples taken from top few centimeters, placed in plastic bags, and refrigerated</p> <p>(b) Analysis technique</p>					

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MDEDAT01

Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Zn (i.e., the wavelength showing the best recovery) is 213.856.		
MDEDAT01	31	Active	Mercury (Hg) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
MDEDAT01	310	Active	Chromium (Cr) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
	Description (a) Sampling technique Core collected using a Benthos gravity corer (Model #2171) fitted with clean cellulose acetate butyrate (CAB) liners, 6.7 cm in diameter. The core is refrigerated. Subsamples are taken from core at selected intervals based on visual and radiographic observations. (b) Analysis technique Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Cr (i.e., the wavelength showing the best recovery) is 283.563.					
MDEDAT01	311	Active	Copper (Cu) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
	Description (a) Sampling technique Core collected using a Benthos gravity corer (Model #2171) fitted with clean cellulose acetate butyrate (CAB) liners, 6.7 cm in diameter. The core is refrigerated. Subsamples are taken from core at selected intervals based on visual and radiographic observations.					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				<p>(b) Analysis technique Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Cu (i.e., the wavelength showing the best recovery) is 327.396.</p>		
MDEDAT01	312	Active	Iron (Fe) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
	<p>Description (a) Sampling technique Core collected using a Benthos gravity corer (Model #2171) fitted with clean cellulose acetate butyrate (CAB) liners, 6.7 cm in diameter. The core is refrigerated. Subsamples are taken from core at selected intervals based on visual and radiographic observations.</p> <p>(b) Analysis technique Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Fe (i.e., the wavelength showing the best recovery) is 238.204.</p>					
MDEDAT01	313	Active	Manganese (Mn) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
	<p>Description (a) Sampling technique Core collected using a Benthos gravity corer (Model #2171) fitted with clean cellulose acetate butyrate (CAB) liners, 6.7 cm in diameter. The core is refrigerated. Subsamples are taken from core at selected intervals based on visual and radiographic observations.</p> <p>(b) Analysis technique Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Mn (i.e., the wavelength showing the best recovery) is 257.610.</p>					

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MDEDAT01 Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDEDAT01	314	Active	Nickel (Ni) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
Description (a) Sampling technique Core collected using a Benthos gravity corer (Model #2171) fitted with clean cellulose acetate butyrate (CAB) liners, 6.7 cm in diameter. The core is refrigerated. Subsamples are taken from core at selected intervals based on visual and radiographic observations.						
(b) Analysis technique Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Ni (i.e., the wavelength showing the best recovery) is 341.476.						
MDEDAT01	315	Active	Zinc (Zn) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
Description (a) Sampling technique Core collected using a Benthos gravity corer (Model #2171) fitted with clean cellulose acetate butyrate (CAB) liners, 6.7 cm in diameter. The core is refrigerated. Subsamples are taken from core at selected intervals based on visual and radiographic observations.						
(b) Analysis technique Dried, pulverized sediment samples are prepared for analysis using a microwave digestion technique, a modification of EPA Method #3051 - Soil Sample Digestion Procedure for Floyd Digestion Vessels. A 3:1 solution of HCL:HNO3 is substituted for HNO3 alone to improve dissolution (leaching) of the sample. The digestate is analyzed using a Thermo Jarrel - Ash Atom - Scan 25 sequential Inductively Coupled Argon Plasma Unit (ICAP). The exact method of analysis was developed experimentally in conjunction with software written specifically for the instrument by the manufacturer. For these sediments, the most sensitive wavelength for Zn (i.e., the wavelength showing the best recovery) is 213.856.						
MDEDAT01	316	Active	Cadmium (Cd) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and		

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MDE DAT01

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Monitoring Division, Vol. 1 Pages 1 - 283		
MDE DAT01	317	Active	Lead (Pb) in estuarine bottom sediments	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
MDE DAT01	32	Active	Mercury (Hg) in water	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Cold Vapor Atomic Absorption Spectrophotometer	USEPA/245.1
MDE DAT01	33	Active	Nickel (Ni) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	
MDE DAT01	34	Active	Nickel (Ni) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Atomic Absorption Spectrophotometer	
MDE DAT01	35	Active	Nickel (Ni) in water	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Hydride Atomic Absorption Spectrophotometer	
MDE DAT01	36	Active	Selenium (Se) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Hydride Atomic Absorption Spectrophotometer	USEPA/206.5

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MDE DAT01 Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
MDE DAT01	37	Active	Lead (Pb) in tissue/sediment/seston	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/239.2
MDE DAT01	38	Active	Lead (Pb) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Atomic Absorption Spectrophotometer	USEPA/239.1
MDE DAT01	39	Active	Lead (Pb) in water	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/239.2
MDE DAT01	40	Active	Iron (Fe) in tissue/sediment/seston	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Atomic Absorption Spectrophotometer	
MDE DAT01	41	Active	Tin (Sn) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/282.2
MDE DAT01	42	Active	Tin (Sn) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland	Atomic Absorption Spectrophotometer	USEPA/282.1

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Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	er	
MDEDAT01	43	Active	Tin (Sn) in water	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Hydride Atomic Absorption Spectrophotometer	
MDEDAT01	44	Active	Manganese (Mn) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/243.2
MDEDAT01	45	Active	Manganese (Mn) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Atomic Absorption Spectrophotometer	USEPA/243.1
MDEDAT01	46	Active	Manganese (Mn) in water	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/243.2
MDEDAT01	47	Active	Zinc (Zn) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/289.2
MDEDAT01	48	Active	Zinc (Zn) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System	Atomic Absorption	USEPA/289.1

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MDEDAT01

Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Spectrophotometer	
MDEDAT01	49	Active	Zinc (Zn) in water	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Atomic Absorption Spectrophotometer	USEPA/289.2
MDEDAT01	50	Active	Copper (Cu) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283	Graphite Furnace Atomic Absorption Spectrophotometer	USEPA/220.2
MDEDAT01	51	Active	Copper (Cu) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
MDEDAT01	52	Active	Copper (Cu) in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
MDEDAT01	53	Active	Pesticides in tissue/sediment	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		

Description (a)

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
(b) Methyl chloride extraction - sodium sulphate drying column - fluorocil column clean-up injection into GC/MS (EPA 608)						
MDEDAT01	56	Active	Surficial Sampling - Standard Sedimentological Procedures	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
Description Water content is calculated as the percentage of the water weight to the total weight of the wet sediment: $[Wc = (Ww/Wt) \times 100]$, where Wc = water content (%), Ww = weight of the water (g), and Wt = weight of wet sediment (g). Portions of sand, silt, and clay are determined by first pre-treating the samples with hydrochloric acid and hydrogen peroxide to remove carbonate and organic matter, respectively. Then the samples are wet sieved through a 62-um mesh to separate the sand from the mud (silt plus clay) fraction. The finer fraction is then analyzed using the pipette method to determine the silt and clay components (Blatt et. al., 1980). Each fraction is weighed, and the percentages of sand, silt, and clay determined.						
MDEDAT01	57	Active	Box Cores Sampling - Standard Sedimentological Procedures 0 - 5 Centimeter Depth	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
MDEDAT01	58	Active	Box Cores Sampling - Standard Sedimentological Procedures 5 - 10 Centimeter Depth	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
MDEDAT01	59	Active	Box Cores Sampling Standard Sedimentological Procedures 10 - 15 cm	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
MDEDAT01	67	Active	Selenium	Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater	Hydride Atomic Absorption Spectrophotometer	

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Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Adminsistration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283		
USEPA	206.3	Susp	Arsenic by HYDAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Hydride Atomic Absorption Spectrophotometer	
USEPA	206.5	Susp	Arsenic Digestion for HYDAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	213.2	Susp	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.1	Susp	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.2	Susp	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.1	Susp	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.2	Susp	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	239.2	Susp	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	243.1	Susp	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.2	Susp	Manganese by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.5	Susp	Mercury in Sediment by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.1	Susp	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	249.2	Susp	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	282.2	Susp	Tin by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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MDEDAT01

Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	289.1	Susp	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.2	Susp	Zinc by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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MDE DAT03

Maryland Dept. of the Environment Toxics Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDE DAT03	CARB-UM	Active	Carbon in Water	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020		
MDE DAT03	METHODS 1638	Active	Trace metals	USEPA, 1996, Method 1638: Determination of Trace elements in Ambient Waters by Inductively Coupled Plasma-Mass Spectrometry., USEPA, EPA 821/R-96-005		
MDE DAT03	NITR-UM	Active	Nitrogen in Water	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020		
MDE DAT03	TDN=CALC	Active	Total Dissolved Nitrogen-Calculated	USEPA, 2000, Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, vol 1., USEPA, 815/R-00-014		
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	200.1	Active	Metals in Marine Waters by ICP/MS	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Inductively Coupled Plasma Spectrophotometer	
USEPA	531.1	Active	N-Methylcarbamates in Water by HPLC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	608.2	Active	Organochlorine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	PAH-006	Active	Polycyclic Aromatic Hydrocarbons in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization	

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MDEDAT03

Maryland Dept. of the Environment Toxics Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Detector	
USEPA	PCB-003	Active	PCBs in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Electrolytic Conductivity Detector	

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MDEDAT04

MD Dept. Environment In House Water Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2520-C	Active	Salinity in Water- Density Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-NO3(C)	Active	Nitrate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-SI(F)	Active	Silica in Water by Automated Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	

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MDEDAT04 MD Dept. Environment In House Water Data						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-SO4(B)	Active	Sulfate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	6040-C	Active	Organics in Water by Purge and Trap GC	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
MDEDAT04	DEPTH-F01	Active	Depth	Annapolis Field Office, Water Quality Monitoring Division, 2001, Total Maximum Daily Load (TMDL) Quality Assurance Project Plan (QAPP) Eutrophication Sampling Component, Maryland Department of the Environment, Vol. 1 Document/Graphic	Hydrolab Multi Probe Handheld Instrument	
MDEDAT04	E. COLI	Active	E. Coli Determination	MD-DHMH - State of MD Department Health & Mental Hygiene Laboratories Administration, 2001, A Guide to Environmental Laboratory Services, Division of Environmental Chemistry and Division of Environmental Microbiology, Vol 1		
Description Using ONPG - MUG at 35 degrees Centigrade incubation						
MDEDAT04	ECOC	Active	Enterococci Determination	MD-DHMH - State of MD Department Health &		

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MD Dept. Environment In House Water Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Mental Hygiene Laboratories Administration, 2001, A Guide to Environmental Laboratory Services, Division of Environmental Chemistry and Division of Environmental Microbiology, Vol 1		
	Description	Using Enterolert at 41 degrees Centigrade incubation				
MDEDAT04	F01	Active	Instantaneous Streamflow	BUCHANAN, T.J. AND SOMERS W.P, 1969, DISCHARGE MEASUREMENTS AT GAGING STATIONS: U.S. GEOLOGICAL SURVEY TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS, USGS, BOOK 3; CHAP A8; 65p	Acoustic Flow Measuring System	
MDEDAT04	MISC_CALC	Active	Miscellaneous Calculations for Nutrients	Wool, Tim A., et al., 2003, Water Quality Analysis Simulation Program (WASP), USEPA, Ver 6		
MDEDAT04	PC-CALC	Active	Calculated Particulate Carbon	Chesapeake Bay Program, 1993, Guide to Using CBP Water Quality Monitoring Data: Particulate Carbon, Chesapeake Bay Program, 79-80		
MDEDAT04	PN-CALC	Active	Calculated Particulate Nitrogen	Chesapeake Bay Program, 1993, Guide to Using CBP Water Quality Monitoring Data: Particulate Nitrogen, Chesapeake Bay Program, 66-67		
MDEDAT04	PN/PC	Active	Particulate Nitrogen and Carbon	Nutrient Analytical Services Laboratory, 1995, Particulate Carbon and Nitrogen, University of Maryland Center for Environmental and Estuarine Studies, 49-53	Gas Chromatograph	
MDEDAT04	PP/PIP	Active	Particulate Phosphorus	Nutrient Analytical Services Laboratory, 1995, Particulate Phosphorus, University of Maryland Center for Environmental and Estuarine Studies, 51-54	AutoAnalyzer	
MDEDAT04	REACTIVE AL	Active	Reactive Aluminum in Water	LACHAT - LaChat Instruments, 2001, Total Reactive Aluminum in Waters, LaChat Instruments, Method 10-113-33-1-A		
MDEDAT04	SEC-F01	Active	Secchi Depth	Tyler, John, 1968, THE SECCHI DISK, LIMNOLOGY AND OCEANOGRAPHY, 13 (1): 1-	Human Eye	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				6		
MDEDAT04	SONDE	Active	Hydrolab Datalogger	SONDE - Hydrolab Corporation, 1997, DataSonde 4 and MiniSonde Water Quality Multiprobes, Hydrolab Corporation, Vol. 1 Document/Graphic	Hydrolab Multi Probe Handheld Instrument	
MDEDAT04	TDN-CALC	Active	Total Dissolved Nitrogen - Calculated	Chesapeake Bay Program, 1993, Guide to Using CBP Water Quality Monitoring Data: Total Dissolved Nitrogen, Chesapeake Bay Program, 64-65		
MDEDAT04	TDN/TDP	Active	Total Dissolved Nitrogen and Phosphorus	Annapolis Field Office, Water Quality Monitoring Division, 2001, Total Maximum Daily Load (TMDL) Quality Assurance Project Plan (QAPP) Eutrophication Sampling Component, Maryland Department of the Environment, Vol. 1 Document/Graphic		
MDEDAT04	TIDE-F01	Active	Tides and Currents	Annapolis Field Office, Water Quality Monitoring Division, 2001, Total Maximum Daily Load (TMDL) Quality Assurance Project Plan (QAPP) Eutrophication Sampling Component, Maryland Department of the Environment, Vol. 1 Document/Graphic		
MDEDAT04	TITRATION _ANC	Active	ANC Tirtration	BRINKMAN - Brinkman Analytical Systems, 2004, Metrohm Applications Center, Brinkman Instruments, 1	Titration Apparatus	
MDEDAT04	TN	Active	Total Nitrogen	Chesapeake Bay Program, 1993, Guide to Using CBP Water Quality Monitoring Data: Total Nitrogen, Chesapeake Bay Program, 62-63		
MDEDAT04	TP-CALC	Active	Calculated Total Phosphorus	Chesapeake Bay Program, 1993, Guide to Using CBP Water Quality Monitoring Data: Total Phosphorus, Chesapeake Bay Program, 55		
MDEDAT04	WEATHER-F01	Active	Weather Conditions	Annapolis Field Office, Water Quality Monitoring Division, 2001, Total Maximum Daily Load (TMDL) Quality Assurance Project Plan (QAPP)	Human Eye	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Eutrophication Sampling Component, Maryland Department of the Environment, Vol. 1 Document/Graphic		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	160.5	Active	Settleable Matter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of	Flame Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	310.1_M	Active	Alkalinity in Water by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration	pH meter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water, USEPA, CLP_WQP		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

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MDEDAT04

MD Dept. Environment In House Water Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	
USEPA	440(S)	Active	Determination of Carbon and Nitrogen	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Elemental Analyzer	

Field/Lab Analytical Procedures and Equipment Detail

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MDEDAT05

Maryland Department of Natural Resources Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDEDAT05	EPA SEC. 19.0	Active	pH	USEPA, 1987, Handbook of Methods for Acid Deposition Studies: Laboratory Analysis for Surface Water Chemistry., USEPA, EPA 600/4-87-026		
Description Closed system using Orion 611 pH meter equipped with Orion 08104 Ross combination electrode and Hellman chamber						

Field/Lab Analytical Procedures and Equipment Detail

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MDEDAT06

Private Groups,/Local Subdivision Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDEDAT06	100.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
MDEDAT06	MDE	Active	Field Office procedures	USEPA, 2000, Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and Escherichia coli (March2000), USEPA, EPA 821-R-97-004		

Field/Lab Analytical Procedures and Equipment Detail

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MDEDAT07

Maryland Dept. of the Environment Shellfish Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	3.2-B	Active	Coliforms in Seawater and Shellfish	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Generic inspection-related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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<div style="display: flex; justify-content: space-between;"> MDEDAT08 Maryland Department Of Environment Beaches Data </div>						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDEDAT08	COLIQUANT	Active	Colilert Quantitray	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MDEDAT08	ENTQUANT	Active	Enterolert Quantitray	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MDEDAT08	SONDE	Active	Hydrolab Datalogger	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MDEDAT08	TIDE-F01	Active	Tides and Currents	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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MDEDAT09

Maryland Dept. of the Environment Risk Assessment Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDEDAT09	COMAR	Active	08.02.13	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	200.11	Active	Metals in Fish Tissue by ICP-AES	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	243.1_M	Active	Manganese by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	617	Active	Organohalide Pesticides and PCBs	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	630	Active	Dithiocarbamate Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Spectrophotometer	
USEPA	630.1	Active	Dithiocarbamate Pesticides in Water	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	Spectrophotometer	
USEPA	680	Active	Pesticides and PCBs	USEPA, 19--, Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	Capillary Gas Chromatograph with Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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MDEDAT09

Maryland Dept. of the Environment Risk Assessment Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	8260A	Active	Volatile Organics in Waste by CGC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	HERL_020	Active	PCBs in Adipose Tissue	USEPA, 19--., Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samples., USEPA, HERL_METHODS	GC with Electron Capture Detector	

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MDEDAT10

MD Dept. of the Environment Private Pier Aquaculture Program

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	

Field/Lab Analytical Procedures and Equipment Detail

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	10200-I	Active	Determination of Biomass (Standing Crop)	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	10300-C	Active	Periphyton Sample Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in	American Public Health Association, 1992,	Laboratory	

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3500-K-D	Active	Potassium in Water by Flame Photometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Photometric Detector	
APHA	3500-NA(D)	Active	Sodium in Water by Flame Photometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Photometric Detector	
APHA	4500-CL(B)	Active	Residual Chlorine in Water by Titration- Iodometric Method I	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL(I)	Active	Residual Chlorine by Iodometric Electrode Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO3(E)	Active	Nitrate in Water- Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water	AutoAnalyzer	

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	4500-NOR(C)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SO4(E)	Active	Sulfate by Turbidimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Turbidimeter	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	5310-D	Active	Total Organic Carbon in Water- Wet-Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water	Optical Microscope	

Field/Lab Analytical Procedures and Equipment Detail

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
HACH	10018	Active	Total and Fecal Coliforms, E. Coli, P/A	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
IDEXX	COLILERT	Active	Colilert Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MDEQ-WQ	1050(A)	Active	Anion - Cation Balance	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
	Description	Unit conversion for calculating Anion - Cation balance is presented in this section of Standard methods. Sum of the anions, and sum of the cations are reported separately as miliequivalents per liter.				
MDEQ-WQ	446.0	Active	Chlorophylls and Pheopigments in Phytoplankton by Spectrophotometry	U.S. EPA National Exposure Research Laboratory, 1997, In Vitro Determination of Chlorophylls a, b, c + c and Pheopigments in 1 2 Marine And Freshwater Algae by Visible Spectrophotometry, U.S. Environmental Protection Agency, Revision 1.2 Document/Graphic		
	Description	Brief Method Summary: Chlorophyll-containing phytoplankton in a measured volume of sample water are concentrated by filtration at low vacuum through a glass fiber filter. The pigments are extracted from the phytoplankton in 90% acetone with the aid of a mechanical tissue grinder and are allowed to steep 2-24 hours. The resulting slurry is centrifuged to clarify the solution, and the absorbance of the supernatant liquid is measured at 4 wavelengths to determine turbidity, and chlorophylls a, b, and c1 + c2. Pheopigment-correct chl a can be determined by using absorbance measurements from an acidified and non-acidified sample. Absorbance values are entered into a set of equations to that utilize the extinction coefficients of the pure pigments in 90% acetone to simultaneously calculate the concentrations of the pigments in a mixed solution.				
MDEQ-WQ	8270D(W)	Active	Semivolatile Organic Compounds in Water by GC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III		
	Description	Method 8270 is used to determine the concentration of semivolatile organic compounds in extracts prepared from many types of solid waste matrices, soils, air sampling media and water samples.				
MDEQ-WQ	BAR-	Active	Barometric Pressure from	Unknown, 19--., No Cite - Method Not Cited,	YSI Multi Probe	

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	PRESSURE		Field Meter	Unknown, Vol --	Handheld Instrument	
	Description Barometric pressure read from field measurement meter (YSI).					
MDEQ-WQ	CN-ANALYSIS	Active	Carbon and Nitrogen Content of Benthic and Floating Algae Samples	American Society of Agronomy, 1996, Methods of soil analysis part 3. Chemical methods. High temperature induction furnace method., Soil Science of America, Inc., Chap 34.		
	Description Special Technical Instructions: A. Sample material will be filtered unto GF/F Filters and dried. B. Each filter will be cut in half and placed in tin boats, both halves will be analyzed. C. Unused and/or remaining sample material may be returned to MT DEQ. D. Method Detection limit must be determined either prior to or concurrently with sample analyses.					
MDEQ-WQ	FLOW-ESTIMATE D	Active	Flow Estimated by Float Method	WQPBWQM-020 - MT DEQ Water Quality Planning Bureau, 1995, Field Procedures Manual for Water Quality Assessment Monitoring, Montana Department of Environmental Quality, Volume 1 Document/Graphic	Generic method-specific equipment	
	Description Flow estimated by using the floating stick or ball method.					
MDEQ-WQ	FLOW-METER	Active	Flow from Field Meter	WQPBWQM-020 - MT DEQ Water Quality Planning Bureau, 1995, Field Procedures Manual for Water Quality Assessment Monitoring, Montana Department of Environmental Quality, Volume 1 Document/Graphic	Probe	
	Description Flow read from field measurement meter. Calibrated every use.					
MDEQ-WQ	FLOW-STAFF GAGE	Active	Flow from Staff Gage	WQPBWQM-020 - MT DEQ Water Quality Planning Bureau, 1995, Field Procedures Manual for Water Quality Assessment Monitoring, Montana Department of Environmental Quality, Volume 1 Document/Graphic	River Gage	
	Description Flow determined from staff gage reading.					
MDEQ-WQ	FLOW-VISUAL EST	Active	Flow Visually Estimated	WQPBWQM-020 - MT DEQ Water Quality Planning Bureau, 1995, Field Procedures Manual for Water Quality Assessment Monitoring,	Human Eye	

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MDEQ-WQ

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Montana Department of Environmental Quality, Volume 1 Document/Graphic		
	Description	Flow visually estimated.				
MDEQ-WQ	HARD-CALC	Active	Hardness Calculated from Mg and Ca laboratory determinations	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
	Description	Hardness is Calculated from Mg and Ca laboratory determinations as per section 2340-B in the APHA method describing the calculation used.				
MDEQ-WQ	ICAP-SCAN	Active	Metals Scan via Inductively Coupled Argon Plasma Spectroscopy	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	ICAP-SCAN methodologies for quantitative analysis of metals is used as a screening technique, but does not have the precision and accuracy of individual metals analysis				
MDEQ-WQ	LECO	Active	LECO	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MDEQ-WQ	NONE	Active	No Field/Lab Analysis Performed	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	No Field/Lab Analysis Performed				
MDEQ-WQ	P-ANALYSIS	Active	Ashing Method for Total Phosphate	Mulholland, P.J. and A.D. Rosemond, 1992, Periphyton response to longitudinal nutrient depletion in a woodland stream: evidence for upstream-downstream linkage, J.N. Am. Benthol. Soc., 11: 405-419		
	Description	Performed by the Flathead Lake Biological Station for the Stream Reference Project.				
MDEQ-WQ	PEBBLE	Active	Wolman Pebble Count - Substrate Characterization	USDA Forest Service: Harrelson, Cheryl C., Rawlins, C.L., Potyondy, John P., 1994, Stream Channel Reference Sites: An Illustrated Guide to Field Technique, USDA, Forest Service, Rocky Mountain Forest & Range Experiment Station, Vol 1	Generic method-specific equipment	
	Description	Wolman Pebble Count - Substrate Characterization				

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDEQ-WQ	PERIPHYT ONCOUNT	Active	Periphyton Analysis	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description Diatom algae: A permanent strewn mount is prepared that is suitable for a diatom proportional count and containing a representative sub-sample of the diatoms present in the original sample. The contractor will identify and enumerate 800 diatom valves (400 cells) on each diatom slide (at a minimum of 900X) to the lowest practical taxonomic unit. Non-diatom algae: Quantitative method or qualitative method may be used. Quantitative method follows phytoplankton counting methods outlined in Park 10200 F (APHA). For the qualitative method, the wet mount is scanned under a compound microscope at 200X. Soft-bodied algae are identified to genus. After all the common soft-bodied algae are identified, each genus is ranked according to its estimated contribution to the total algal biomass at the site, taking into account the remaining macroalgae and microalgae in the original sample. The genus with the most biomass is ranked 1, the next most biomass is ranked 2, and so on. Diatom are included, but they are ranked as a group. Genera of soft-bodied algae and diatoms as a group are also rated as to the relative abundance of their cells. Rare (1), occasional (2), common (3), frequent (4), abundant (5), and dominant (6).					
MDEQ-WQ	PHY-PROD-CALC	Active	Light and Dark Bottle Technique for Phytoplankton Productivity	USEPA, 1983, Technical Guidance Manual for Performing Waste Load Allocations - Book II Streams and Rivers - Chapter 2 Nutrient/Eutrophication Impacts, USEPA, EPA-440/4-84-021 Document/Graphic		
	Description See associated citation for complete field procedure description (page 4-1). Productivity factor used for procedure is P's. P's: "maximum productivity at a field site, subject to site nutrient levels, but reflecting optimum light conditions. This would be the peak observed value in surface samples (no depth attenuation of light) and would correspond to the time of day when incident light has a value equal to the saturated value for the population". Calculation used to determine primary productivity of phytoplankton: $\frac{[(O_2, LB) - (O_2, IB)](1000)(0.375)}{[(PQ)(t)]}$. O ₂ =oxygen in mg/l; LB=light bottle; IB=initial bottle; PQ=1.2; t=hours of incubation.					
MDEQ-WQ	ROSGENP EBBLE	Active	Rosgen Pebble Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description Rosgen Pebble Count					
MDEQ-WQ	SAR-CALC	Active	Sodium Adsorption Ratio Calculation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description Sodium Adsorption Ratio calculated from analytical laboratory results as Sodium Adsorption Ratio $[(Na)/(\text{sq root of } 1/2 \text{ Ca} + \text{Mg})]$					
MDEQ-WQ	TDG-METER	Active	Total Dissolved Gas Field Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description Total Dissolved Gas Field Meter					
MDEQ-WQ	TDS-METER	Active	Total Dissolved Solids - meter reading - calculated from conductivity	MT DEQ MDM, 1995, Standard Operating Procedures Manual, Montana Department of Environmental Quality, Volume 1	Conductivity Meter	

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDEQ-WQ	TN-CALC	Active	Total Nitrogen, TN - SUM of TKN + NO3 + NO2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MDEQ-WQ	UNKNOWN	Active	Unknown Method or Procedure	MT DEQ MDM, 1995, Standard Operating Procedures Manual, Montana Department of Environmental Quality, Volume 1		
	Description	The method used to obtain this result was either unknown or unavailable at the ime of processing.				
MDEQ-WQ	USEPA-7473	Active	Mercury in solids	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	US EPA Method 7473: Mercury in solids and solutions by thermal decomposition, amalgamation and atomic absorption spectrometry. Method 7473 is designated for the determination of mercury (CAS No. 7439-97-6) in solids, aqueous samples, and digested solutions in both the laboratory and field environments.				
MDEQ-WQ	USEPA-8021B	Active	Aromatic and Halogenated Volatiles by Gas Chromatography	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	AROMATIC AND HALOGENATED VOLATILES BY GAS CHROMATOGRAPHY USING PHOTOIONIZATION AND/OR ELECTROLYTIC CONDUCTIVITY DETECTORS.				
MDEQ-WQ	USGS I 1030	Active	USGS I 1030	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS I 1030				
USDOI/USGS	I2600(S)	Active	Phosphorus in Solids by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USEPA	110.1	Active	Color by Calculating ADMI Values	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of	Laboratory	

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I,	Inductively Coupled Plasma	

Field/Lab Analytical Procedures and Equipment Detail

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MDEQ-WQ		Montana DEQ - Water Quality Division					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				USEPA, EPA 600-R-94-111	Spectrophotometer		
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer		
USEPA	215.2	Active	Calcium by EDTA Titrimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer		
USEPA	245.1_M	Active	Mercury in Water by Manual CVAA	USEPA, 19-- , CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer		
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer		
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph		
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph		
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		

Field/Lab Analytical Procedures and Equipment Detail

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(B)	Active	Total Kjeldahl Nitrogen - Nesslerization	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	351.3(C)	Active	Total Kjeldahl Nitrogen - Potentiometric	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Potentiometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.3	Active	Sulfate by Gravimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Cold Vapor Atomic	

Field/Lab Analytical Procedures and Equipment Detail

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MDEQ-WQ		Montana DEQ - Water Quality Division				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update II., USEPA, SW-846_II	Absorption Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8015B	Active	Non-Halogenated Organics Using GC/FID	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Flame Ionization Detector	
USEPA	8082(S)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	

Field/Lab Analytical Procedures and Equipment Detail

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MEDEP Maine Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
AOAC	973.49(E)	Active	Nitrogen (Ammonia) in Water	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	Titration Apparatus	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2530-C	Active	Floatable Oil and Grease in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
ASTM	D1067(A)	Active	Acidity or Alkalinity of Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	pH meter	

Field/Lab Analytical Procedures and Equipment Detail

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MEDEP Maine Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D1292	Active	Odor in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Human Nose	
ASTM	D4183(A)	Active	Total Recoverable Organic Phosphorus	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Colorimeter	
ASTM	D5389	Active	Open-Channel Flow Measurement by Acoustic Velocity Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Acoustic Velocity Meter	
ASTM	D888(B)	Active	Dissolved Oxygen by Instrumental Probe	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Ion Selective Electrode	
USDOC/NOAA	NITRO-16	Active	Total Kjeldahl Nitrogen	USDOC, NOAA, 19--, Compendium of Methods for Estuarine and Marine Environmental Studies, NOAA, NOAA_METHODS	AutoAnalyzer	
USDOI/USGS	B6660	Active	Biomass/Chlorophyll Ratio in Periphyton	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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MEDEP Maine Department of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.4	Active	Determination of Nitrite and Nitrate	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Photometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	
USEPA	9050	Active	Specific Conductance	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Conductivity Bridge	

Field/Lab Analytical Procedures and Equipment Detail

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MIDVALE

SUPERFUND MIDVALE RAILYARD

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MIDVALE	ILM04.1	Active	ILM04.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MIDVALE	ILM05.3	Active	ILM05.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MIDVALE	OLC03.2	Active	OLC03.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MIDVALE	OLM04	Active	OLM04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MIDVALE	OLM04.2	Active	OLM04.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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MNPCA1	Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2130-B	Active	Nephelometric Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-C	Active	Total Dissolved Solids in	American Public Health Association, 1992,	Laboratory	

Field/Lab Analytical Procedures and Equipment Detail

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MNPCA1		Minnesota Pollution Control Agency				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-F	Active	Settleable Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	4110-B	Active	Anions in Water by Ion	American Public Health Association, 1992,	Ion	

Field/Lab Analytical Procedures and Equipment Detail

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Chromatography	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Chromatograph	
APHA	4500-CL(B)	Active	Residual Chlorine in Water by Titration- Iodometric Method I	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(C)	Active	Chloride in Water by Titration- Mercuric Nitrate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(E)	Active	Chloride in Water by Colorimetry- Automated Ferricyanide Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(C)	Active	Ammonia in Water by Titrimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(D)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(E)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water	Ion Selective Electrode	

Field/Lab Analytical Procedures and Equipment Detail

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			(Known Addition)	and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	4500-NH3(F)	Active	Ammonia in Water Using Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NO3(D)	Active	Nitrate in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO3(E)	Active	Nitrate in Water- Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-NO3(H)	Active	Nitrate in Water- Automated Hydrazine Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related	

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MNPCA1

Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					equipment(eg color charts)	
APHA	4500-P-C	Active	Phosphorus in Water by Vanadomolybdophosphoric Acid Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-S2(D)	Active	Sulfide in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-SI(D)	Active	Silica in Water by Spectrophotometry- Molybdosilicate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-SI(F)	Active	Silica in Water by Automated Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SO4(B)	Active	Sulfate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Generic inspection-related	

Field/Lab Analytical Procedures and Equipment Detail

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MNPCA1		Minnesota Pollution Control Agency				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition	equipment(eg color charts)	
APHA	5220-D	Active	Chemical Oxygen Demand by Colorimetry- Closed Reflux	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	5910-B	Active	UV - Absorbing Organic Compounds	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-D	Active	Estimation of Bacterial Density- MPN Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9221-F	Active	Escherichia coli, Multi-tube Fermentation Technique	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Optical Microscope	

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
ASTM	D1125(A)	Active	Conductivity and Resistivity in Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Conductivity Bridge	
ASTM	D3590(A)	Active	TKN by Ion Selective Electrode	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Ion Selective Electrode	
ASTM	D5089	Active	Velocity of Water,electromagnetic meters	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Electromagnetic Current Meter	
ASTM	D515(A)	Active	Phosphorus in Water by Colorimetric Reduction	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Photometer	
ASTM	D516	Active	Sulfate in Water by Turbidimeter	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Turbidimeter	

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
HACH	10027	Active	Fecal Coliforms, MPN (sludges)	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	10029	Active	m-ColiBlue24 Method of the Determination of Total Coliforms and E. coli	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8000	Active	Chemical Oxygen Demand	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Colorimeter	
HACH	8038	Active	Ammonia Nitrogen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8048	Active	Reactive Phosphorus in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8051	Active	Sulfate in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8074(B)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Filtration Apparatus	
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
HACH	8160	Active	Conductivity in Water by Direct Measurement	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Conductivity Meter	
HACH	8190	Active	Total Phosphorus in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8195	Active	Determination of Turbidity	USEPA, 19--., Guidelines Establishing Test		

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
HACH	8221	Active	Alkalinity by Buret Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
HACH	8225	Active	Chloride by Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
IDEXX	COLILERT	Active	Colilert Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
IDEXX	COLILERT-18	Active	Colilert-18 Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCA1	4500-NORGD	Active	Nitrogen, Total, by Block Digestion and Flow Injection Analysis	Krskalla, Jennifer R. & Patton, Charles J., 2003, Methods of Analysis by the U.S. Geological Survey National Water Quality Laboratory; Evaluation of Alkaline Persulfate Digestion as an Alternative to Kjeldahl Digestion for Determination of Total and Dissolved Nitrogen and Phosphorus in Water, U.S. Geological Survey, all pages Document/Graphic		
MNPCA1	APHA 1002G	Active	Chlorophyll a, Monochromatic by Spectrometry	American Public Health Association, 1985, Standard Methods for the Examination of Water and Wastewater, 16th Edition., American Public Health Association, 16th Edition	Spectrophotometer	APHA/10200-H
MNPCA1	APHA 2340-B	Active	Hardness Calculation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		

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MNPCA1 Minnesota Pollution Control Agency						Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MNPCA1	APHA 2340-C	Active	Hardness by EDTA Titration	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCA1	APHA 390-A	Active	Hardness Calculation Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCA1	APHA 420A&417G	Active	Total Kjeldahl Nitrogen in Water	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCA1	APHA 4500-N-C	Active	Total Nitrogen in Water	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCA1	APHA 4500-NO3	Active	Nitrogen, Nitrate (NO2) + Nitrate (NO3) as N	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCA1	APHA 4500-NORGE	Active	Total Kjeldahl Nitrogen in Water	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCA1	APHA 4500NH3(H)	Active	Nitrogen, Ammonium	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCA1	ASTM D3731-87	Active	Chlorophyll-a and Pheophytin-a	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01		
MNPCA1	AWRESRC H NT031	Active	Nitrogen, Total, by Oxidizing Organic and Ammonium Nitrogen to Nitrate and then	Bachman, Roger W. and Daniel E. Canfield, Jr., 1992, A Comparability Study of a New Method for Measuring Total Nitrogen in Florida Water,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Measuring Nitrate	Presented at NALMs, all		
MNPCA1	AXYS PFCS	Active	Perfluorinated Compounds (PFCs) by LC/MS/MS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		Perfluorinated Compounds (PFCs) in Water, Solids and Tissues by Liquid Chromatography/Liquid Chromatography/Mass Spectrometry (LC/MS/MS)			
MNPCA1	CHUBCK_F C	Active	Fecal Coliform	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		APHA/9222-D
MNPCA1	CLMP-CONDSUIT-1	Active	CLMP Lake Condition & Suitability Assessments	Klang, Jennifer, 2000, Citizen Lake-Monitoring Program: Minnesota's Volunteer Lake Monitoring Handbook, Minnesota Pollution Control Agency, all pages	Human Eye	
MNPCA1	CLMP-SD-1	Active	CLMP Secchi Disk Transparency	Klang, Jennifer, 2000, Citizen Lake-Monitoring Program: Minnesota's Volunteer Lake Monitoring Handbook, Minnesota Pollution Control Agency, all pages	Secchi Disk with Calibrated Tether	
MNPCA1	CSMP-CONDSUIT-1	Active	CSMP Stream Condition & Suitability Assessments	Sovell, Laurie, 1998, Citizen Stream Sampling Protocol, Minnesota Pollution Control Agency, all pages	Human Eye	
MNPCA1	CSMP-RAIN-24H	Active	CSMP Rainfall, 24-hour	Sovell, Laurie, 1998, Citizen Stream Sampling Protocol, Minnesota Pollution Control Agency, all pages		
MNPCA1	CSMP-RAIN-Y/N	Active	CSMP Rainfall Event Observed (0=No, 1=Yes)	Sovell, Laurie, 1998, Citizen Stream Sampling Protocol, Minnesota Pollution Control Agency, all pages		
MNPCA1	CSMP-TD	Active	CSMP Tape-down Measurement to Water Surface	Sovell, Laurie, 1998, Citizen Stream Sampling Protocol, Minnesota Pollution Control Agency, all pages		
	Description		The distance from a stable reference point over the stream to the water level, typically with a weighted measuring tape, measured by a Citizen Stream Monitoring Program participant. Additional description of reference points or method will be available with the station information in STORET if provided by the participant.			
MNPCA1	CSMP-TTUBE100	Active	CSMP Transparency Tube, 100 cm	Sovell, Laurie, 1998, Citizen Stream Sampling Protocol, Minnesota Pollution Control Agency, all		

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				pages		
MNPCA1	CSMP-TTUBE60	Active	CSMP Transparency Tube, 60 cm	Sovell, Laurie, 1998, Citizen Stream Sampling Protocol, Minnesota Pollution Control Agency, all pages		
MNPCA1	DO PROBE	Active	Dissolved Oxygen, Membrane Electrode Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Probe	APHA/4500-O-G
MNPCA1	DO SATURATION	Active	Dissolved Oxygen Saturation	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages	Probe	
MNPCA1	DO WINKLER	Active	Dissolved Oxygen, Iodometric Method with Azide Modification	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Titration Apparatus	APHA/4500-O-C
MNPCA1	EPA SW846 3510C	Active	Caffeine by Separatory Funnel Liquid-Liquid Extraction	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Caffeine by Separatory Funnel Liquid-Liquid Extraction, US EPA SW846 3510/NPD13				
MNPCA1	ETS-8-044.0	Active	Perfluorobutanoic acid (PFBA) in water by direct injection	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Determination of Perfluorinated Compounds in Water by LC/MS/MS; Direct Injection Analysis				
MNPCA1	FLD ALK	Active	Alkalinity, Probe Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
MNPCA1	FLD BAROMETRIC	Active	Barometric pressure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCA1	FLD CONDUCT	Active	Conductance, Specific - umhos at 25 deg C	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Probe	USEPA/120.1

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	ANCE					
MNPCA1	FLD PH	Active	pH, Electrometric Method	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Probe	USEPA/150.1
MNPCA1	FLD SALINITY	Active	Salinity, Probe Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
MNPCA1	FLD STAGE EST	Active	Stream Water Level, Relative Visual Observation	Bissonnette, Sandra and Beth Endersbe, 2001, Milestone Site River Monitoring Program Standard Methods for Field Measurements and Sample Collection, Minnesota Pollution Control Agency, all pages	Human Eye	
MNPCA1	FLD STR FLOW 1	Active	Stream Flow, Instantaneous, at Milestone Sites	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR FLOW 2	Active	Stream Flow, Instantaneous, Unknown Method	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR FLOW 3	Active	Stream Flow, Instantaneous, Measured	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages	Flow Rate Measurement Device	
Description Actual instantaneous stream flow obtained by measuring velocity, stream width and depths in cross-section.						
MNPCA1	FLD STR FLOW 4	Active	Stream Flow, Instantaneous, Estimated from Established Rating	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
Description Instantaneous streamflow estimated using an established rating based on a relationship with stage, dam gate setting, or other variable.						
MNPCA1	FLD STR FLOW DM	Active	Stream Flow, Daily Mean	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCA1	FLD STR	Active	Stream Flow, Hydstra Daily	Minnesota Pollution Control Agency Quality		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	FLOW HD		Value, Computed from Established Rating Curve	Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
Description A Hydstra daily value stream flow (DAILYVALUE) is a daily average of unit values (UNITVALUE). A unit value is a stream flow computed from an established rating curve for a date and time.						
MNPCA1	FLD STR FLOW HU	Active	Stream Flow, Hydstra Unit Value, Computed from Established Rating Curve	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
Description A Hydstra unit value stream flow (UNITVALUE) is computed from an established rating curve for a date and time.						
MNPCA1	FLD STR STAGE 1	Active	Stream Stage, Relative Water Level at Milestone Sites	Bissonnette, Sandra and Beth Endersbe, 2001, Milestone Site River Monitoring Program Standard Methods for Field Measurements and Sample Collection, Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR STAGE 2	Active	Stream Stage, Relative Water Level, Tape-Down Method	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR STAGE 3	Active	Stream Stage, Relative Water Level, USGS Gage	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR STAGE 4	Active	Stream Stage, Relative Water Level, Non-USGS Gage	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR STAGE 5	Active	Stream Stage, Relative Water Level, Staff Gage	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR STAGE 6	Active	Stream Stage, Relative Water Level, Wire Weight	Minnesota Pollution Control Agency Quality Assurance Program, 2000,		

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR STAGE 7	Active	Stream Stage, Relative Water Level, Automated Stage Recorder	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR STAGE 8	Active	Stream Stage, Relative Water Level, Pool/Tailwater Elevation	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR STAGE 9	Active	Stream Stage, Relative Water Level, Other Method	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD STR STG 10	Active	Stream Stage, Relative Water Level, CSMP	Sovell, Laurie, 1998, Citizen Stream Sampling Protocol, Minnesota Pollution Control Agency, all pages		
	Description	Stream stage recorded or measured by CSMP participants. Beginning in 2004, this water level is recorded from an actively maintained gage at or near the station. More information about the gage may be available with station information in STORET.				
MNPCA1	FLD TDS PROBE	Active	Solids, Total Dissolved, Probe Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
MNPCA1	FLD TEMP	Active	Temperature, water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		USEPA/170.1
MNPCA1	FLD TTUBE120	Active	Transparency Tube, 120 cm	Sovell, Laurie, 1998, Citizen Stream Sampling Protocol, Minnesota Pollution Control Agency, all pages		
MNPCA1	FLD TURB	Active	Turbidity, Nephelometric Method	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	USEPA/180.1
MNPCA1	FLD TURB PROBE	Active	Turbidity, Probe Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
MNPCA1	FRONTIER-	Active	Arsenic by HG-AFS	Frontier Geosciences, Inc., 2001, Determination		

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MNPCA1		Minnesota Pollution Control Agency				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	AS			of Total Recoverable Arsenic in Water by Hydride Generation-Atomic Fluorescence Spectrometry (HG-AFS), Frontier Geosciences, Inc., na		
MNPCA1	FRONTIER-HG	Active	Mercury by CV-AFS	Frontier Geosciences, Inc., 2001, Total Mercury Analysis by Cold Vapor-Atomic Fluorescence Spectrometry (CV-AFS), Frontier Geosciences, Inc., na	Cold Vapor Atomic Fluorescence Spectrophotometer	USEPA/1631
MNPCA1	FRONTIER-MTLS	Active	Trace Metals by ICP/MS	Frontier Geosciences, Inc., 2001, Determination of Trace Elements by Inductively Coupled Plasma-Mass Spectrometry, Frontier Geosciences, Inc., na	Inductively Coupled Plasma Combined with Mass Spectrophotometer	USEPA/1638
MNPCA1	HACH 10020	Active	Nitrate, Chromotropic Acid Method	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
MNPCA1	HACH 8039	Active	Nitrate, Cadmium Reduction Method	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
MNPCA1	HACH COLOR	Active	Apparent Color, Hach Color Wheel Method	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
MNPCA1	HACH NO23 SPEC	Active	Nitrate and Nitrite, Total, Using Spectrophotometer VIS/UV 4000, Nitrate 2500 Method	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
MNPCA1	LAB TEMP	Active	Lab sample temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		USEPA/170.1
MNPCA1	LEG_P00001	Active	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	This procedure was assigned upon migration of results with parameter code 00001 from Legacy to STORET.					

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MNPCA1	LEG_P0000 4	Active	STREAM WIDTH (FEET)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00004 from Legacy to STORET.				
MNPCA1	LEG_P0000 5	Active	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00005 from Legacy to STORET.				
MNPCA1	LEG_P0000 9	Active	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00009 from Legacy to STORET.				
MNPCA1	LEG_P0001 1	Active	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00011 from Legacy to STORET.				
MNPCA1	LEG_P0002 0	Active	TEMPERATURE, AIR (DEGREES CENTIGRADE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00020 from Legacy to STORET.				
MNPCA1	LEG_P0002 3	Active	SAMPLE WEIGHT IN POUNDS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00023 from Legacy to STORET.				
MNPCA1	LEG_P0002 4	Active	SAMPLE LENGTH IN INCHES	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00024 from Legacy to STORET.				
MNPCA1	LEG_P0003 0	Active	LIGHT, INCIDENT, SUNLIGHT RADIATION INTENSITY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00030 from Legacy to STORET.				
MNPCA1	LEG_P0003 6	Active	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 00036 from Legacy to STORET.						
MNPCA1	LEG_P0006 2	Active	ELEVATION, RESERVOIR SURFACE WATER IN FEET	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00062 from Legacy to STORET.						
MNPCA1	LEG_P0006 5	Active	STAGE, STREAM (FEET)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00065 from Legacy to STORET.						
MNPCA1	LEG_P0006 7	Active	TIDE STAGE (REFER TO APPENDIX FOR CODES)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00067 from Legacy to STORET.						
MNPCA1	LEG_P0006 9	Active	SEA WAVES(0=NONE;1=0- 3";2=4-20";3=21-48";4=4-8')	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00069 from Legacy to STORET.						
MNPCA1	LEG_P0007 0	Active	TURBIDITY, (JACKSON CANDLE UNITS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00070 from Legacy to STORET.						
MNPCA1	LEG_P0007 1	Active	TURBIDITY HELIGE (JACKSON CANDLE UNITS) JCU	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00071 from Legacy to STORET.						
MNPCA1	LEG_P0007 6	Active	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00076 from Legacy to STORET.						
MNPCA1	LEG_P0007 7	Active	TRANSPARENCY, SECCHI DISC (INCHES)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00077 from Legacy to STORET.						
MNPCA1	LEG_P0008 0	Active	COLOR (PLATINUM- COBALT UNITS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 00080 from Legacy to STORET.						
MNPCA1	LEG_P00081	Active	COLOR, APPARENT (UNFILTERED SAMPLE) PLAT-COB UNITS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00081 from Legacy to STORET.						
MNPCA1	LEG_P00085	Active	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00085 from Legacy to STORET.						
MNPCA1	LEG_P00090	Active	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00090 from Legacy to STORET.						
MNPCA1	LEG_P00091	Active	FLOW, MINIMUM OF FLOW RANGE CFS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00091 from Legacy to STORET.						
MNPCA1	LEG_P00092	Active	FLOW, MAXIMUM OF FLOW RANGE CFS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00092 from Legacy to STORET.						
MNPCA1	LEG_P00095	Active	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00095 from Legacy to STORET.						
MNPCA1	LEG_P00149	Active	ALPHA EMITTING RADIUM ISOTOPES, DISSOLVED (PC/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00149 from Legacy to STORET.						
MNPCA1	LEG_P00156	Active	ISOOCTYL 2,4,5-T, WHOLE WATER, UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00156 from Legacy to STORET.						

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MNPCA1	LEG_P0016 2	Active	SILVER, IN THE WHOLE WATER SAMPLE KILOGRAMS/BATCH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00162 from Legacy to STORET.				
MNPCA1	LEG_P0019 9	Active	LIGHT, DEPTH TO 50 PERCENT OF SURFACE LIGHT (FEET)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00199 from Legacy to STORET.				
MNPCA1	LEG_P0029 0	Active	OXYGEN,DISSOLVED,UPT AKE,LIGHT BOTTLE,IN 24HR MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00290 from Legacy to STORET.				
MNPCA1	LEG_P0029 5	Active	OXYGEN, DISSOLVED ML/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00295 from Legacy to STORET.				
MNPCA1	LEG_P0030 4	Active	BOD, 2 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00304 from Legacy to STORET.				
MNPCA1	LEG_P0030 7	Active	BOD, NITROGEN INHIB.,DISS., 5 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00307 from Legacy to STORET.				
MNPCA1	LEG_P0030 8	Active	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00308 from Legacy to STORET.				
MNPCA1	LEG_P0030 9	Active	BOD, NITROGEN INHIB.,DISS., 20 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00309 from Legacy to STORET.				

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MNPCA1	LEG_P0031 0	Active	BOD, 5 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00310 from Legacy to STORET.				
MNPCA1	LEG_P0031 1	Active	BOD, DISSOLVED, 5 DAY MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00311 from Legacy to STORET.				
MNPCA1	LEG_P0031 3	Active	BOD, DISSOLVED, 20 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00313 from Legacy to STORET.				
MNPCA1	LEG_P0031 4	Active	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00314 from Legacy to STORET.				
MNPCA1	LEG_P0031 9	Active	BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00319 from Legacy to STORET.				
MNPCA1	LEG_P0032 4	Active	BOD, 20 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00324 from Legacy to STORET.				
MNPCA1	LEG_P0033 5	Active	COD, .025N K2CR2O7 MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00335 from Legacy to STORET.				
MNPCA1	LEG_P0033 9	Active	COD, BOTTOM DEPOSITS, DRY WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00339 from Legacy to STORET.				
MNPCA1	LEG_P0034 0	Active	COD, .25N K2CR2O7 MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 00340 from Legacy to STORET.						
MNPCA1	LEG_P00341	Active	COD, DISSOLVED, .25N K2CR2O7 MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00341 from Legacy to STORET.						
MNPCA1	LEG_P00400	Active	PH (STANDARD UNITS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00400 from Legacy to STORET.						
MNPCA1	LEG_P00401	Active	CATIONS MINUS ANIONS MILLIEQUIVALENTS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00401 from Legacy to STORET.						
MNPCA1	LEG_P00403	Active	PH, LAB, STANDARD UNITS SU	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00403 from Legacy to STORET.						
MNPCA1	LEG_P00405	Active	CARBON DIOXIDE (MG/L AS CO2)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00405 from Legacy to STORET.						
MNPCA1	LEG_P00410	Active	ALKALINITY, TOTAL (MG/L AS CACO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00410 from Legacy to STORET.						
MNPCA1	LEG_P00425	Active	ALKALINITY, BICARBONATE (MG/L AS CACO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00425 from Legacy to STORET.						
MNPCA1	LEG_P00430	Active	ALKALINITY, CARBONATE (MG/L AS CACO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00430 from Legacy to STORET.						
MNPCA1	LEG_P00431	Active	ALKALINITY TOATL FIELD, (MG/L AS CACO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 00431 from Legacy to STORET.						
MNPCA1	LEG_P00436	Active	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CaCO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00436 from Legacy to STORET.						
MNPCA1	LEG_P00440	Active	BICARBONATE ION (MG/L AS HCO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00440 from Legacy to STORET.						
MNPCA1	LEG_P00445	Active	CARBONATE ION (MG/L AS CO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00445 from Legacy to STORET.						
MNPCA1	LEG_P00500	Active	RESIDUE, TOTAL (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00500 from Legacy to STORET.						
MNPCA1	LEG_P00505	Active	RESIDUE, TOTAL VOLATILE (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00505 from Legacy to STORET.						
MNPCA1	LEG_P00510	Active	RESIDUE, TOTAL FIXED (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00510 from Legacy to STORET.						
MNPCA1	LEG_P00515	Active	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00515 from Legacy to STORET.						
MNPCA1	LEG_P00530	Active	RESIDUE, TOTAL NONFILTRABLE (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00530 from Legacy to STORET.						
MNPCA1	LEG_P00535	Active	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 00535 from Legacy to STORET.						
MNPCA1	LEG_P00540	Active	RESIDUE, FIXED NONFILTRABLE (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00540 from Legacy to STORET.						
MNPCA1	LEG_P00545	Active	RESIDUE, SETTLEABLE (ML/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00545 from Legacy to STORET.						
MNPCA1	LEG_P00550	Active	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00550 from Legacy to STORET.						
MNPCA1	LEG_P00556	Active	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00556 from Legacy to STORET.						
MNPCA1	LEG_P00566	Active	IMCO NOS. 1,2,3,6, GPD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00566 from Legacy to STORET.						
MNPCA1	LEG_P00600	Active	NITROGEN, TOTAL (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00600 from Legacy to STORET.						
MNPCA1	LEG_P00605	Active	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00605 from Legacy to STORET.						
MNPCA1	LEG_P00607	Active	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00607 from Legacy to STORET.						
MNPCA1	LEG_P00608	Active	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 00608 from Legacy to STORET.						
MNPCA1	LEG_P00609	Active	TOTAL AMMONIA NITROGEN, 30 DAY ,(MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00609 from Legacy to STORET.						
MNPCA1	LEG_P00610	Active	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00610 from Legacy to STORET.						
MNPCA1	LEG_P00611	Active	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00611 from Legacy to STORET.						
MNPCA1	LEG_P00612	Active	Ammonia, Unionized, calculated as N, from Legacy STORET	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	LEG_P00613	Active	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00613 from Legacy to STORET.						
MNPCA1	LEG_P00615	Active	NITRITE NITROGEN, TOTAL (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00615 from Legacy to STORET.						
MNPCA1	LEG_P00616	Active	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00616 from Legacy to STORET.						
MNPCA1	LEG_P00618	Active	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00618 from Legacy to STORET.						

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MNPCA1	LEG_P0061 9	Active	Ammonia, Unionized, calculated as NH3, from Legacy STORET	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	LEG_P0062 0	Active	NITRATE NITROGEN, TOTAL (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00620 from Legacy to STORET.				
MNPCA1	LEG_P0062 3	Active	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00623 from Legacy to STORET.				
MNPCA1	LEG_P0062 5	Active	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00625 from Legacy to STORET.				
MNPCA1	LEG_P0062 6	Active	NITROGEN,ORG. KJEL.,BOT. DEPOS. (MG/KG-N DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00626 from Legacy to STORET.				
MNPCA1	LEG_P0062 7	Active	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00627 from Legacy to STORET.				
MNPCA1	LEG_P0062 9	Active	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00629 from Legacy to STORET.				
MNPCA1	LEG_P0063 0	Active	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 00630 from Legacy to STORET.				
MNPCA1	LEG_P0063 1	Active	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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MNPCA1 Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 00631 from Legacy to STORET.						
MNPCA1	LEG_P00633	Active	NITRITE PLUS NITRATE,BOT. DEPOS. (MG/KG-N DRY WT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00633 from Legacy to STORET.						
MNPCA1	LEG_P00650	Active	PHOSPHATE, TOTAL (MG/L AS PO4)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00650 from Legacy to STORET.						
MNPCA1	LEG_P00660	Active	PHOSPHATE, ORTHO (MG/L AS PO4)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00660 from Legacy to STORET.						
MNPCA1	LEG_P00665	Active	PHOSPHORUS, TOTAL (MG/L AS P)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00665 from Legacy to STORET.						
MNPCA1	LEG_P00666	Active	PHOSPHORUS, DISSOLVED (MG/L AS P)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00666 from Legacy to STORET.						
MNPCA1	LEG_P00667	Active	PHOSPHORUS, SUSPENDED (MG/L AS P)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00667 from Legacy to STORET.						
MNPCA1	LEG_P00668	Active	PHOSPHORUS,TOTAL,BO TTOM DEPOSIT (MG/KG-P DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00668 from Legacy to STORET.						
MNPCA1	LEG_P00670	Active	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00670 from Legacy to STORET.						
MNPCA1	LEG_P00671	Active	PHOSPHORUS, DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			ORTHOPHOSPHATE (MG/L AS P)			
			Description	This procedure was assigned upon migration of results with parameter code 00671 from Legacy to STORET.		
MNPCA1	LEG_P0067 2	Active	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
			Description	This procedure was assigned upon migration of results with parameter code 00672 from Legacy to STORET.		
MNPCA1	LEG_P0068 0	Active	CARBON, TOTAL ORGANIC (MG/L AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
			Description	This procedure was assigned upon migration of results with parameter code 00680 from Legacy to STORET.		
MNPCA1	LEG_P0068 1	Active	CARBON, DISSOLVED ORGANIC (MG/L AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
			Description	This procedure was assigned upon migration of results with parameter code 00681 from Legacy to STORET.		
MNPCA1	LEG_P0068 5	Active	CARBON, TOTAL INORGANIC (MG/L AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
			Description	This procedure was assigned upon migration of results with parameter code 00685 from Legacy to STORET.		
MNPCA1	LEG_P0068 9	Active	CARBON, SUSPENDED ORGANIC (MG/L AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
			Description	This procedure was assigned upon migration of results with parameter code 00689 from Legacy to STORET.		
MNPCA1	LEG_P0069 0	Active	CARBON, TOTAL (MG/L AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
			Description	This procedure was assigned upon migration of results with parameter code 00690 from Legacy to STORET.		
MNPCA1	LEG_P0072 0	Active	CYANIDE, TOTAL (MG/L AS CN) MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
			Description	This procedure was assigned upon migration of results with parameter code 00720 from Legacy to STORET.		
MNPCA1	LEG_P0072 1	Active	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 00721 from Legacy to STORET.						
MNPCA1	LEG_P0074 5	Active	SULFIDE, TOTAL (MG/L AS S)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00745 from Legacy to STORET.						
MNPCA1	LEG_P0074 6	Active	SULFIDE, DISSOLVED (MG/L AS S)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00746 from Legacy to STORET.						
MNPCA1	LEG_P0080 0	Active	NITZSCHIA KUTZINGIANA HILSE (NO/LITER)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00800 from Legacy to STORET.						
MNPCA1	LEG_P0090 0	Active	HARDNESS, TOTAL (MG/L AS CaCO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00900 from Legacy to STORET.						
MNPCA1	LEG_P0091 0	Active	CALCIUM (MG/L AS CaCO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00910 from Legacy to STORET.						
MNPCA1	LEG_P0091 5	Active	CALCIUM, DISSOLVED (MG/L AS Ca)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00915 from Legacy to STORET.						
MNPCA1	LEG_P0091 6	Active	CALCIUM, TOTAL (MG/L AS Ca)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00916 from Legacy to STORET.						
MNPCA1	LEG_P0092 0	Active	MAGNESIUM (MG/L AS CaCO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00920 from Legacy to STORET.						
MNPCA1	LEG_P0092 4	Active	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 00924 from Legacy to STORET.						
MNPCA1	LEG_P00925	Active	MAGNESIUM, DISSOLVED (MG/L AS MG)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00925 from Legacy to STORET.						
MNPCA1	LEG_P00927	Active	MAGNESIUM, TOTAL (MG/L AS MG)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00927 from Legacy to STORET.						
MNPCA1	LEG_P00929	Active	SODIUM, TOTAL (MG/L AS NA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00929 from Legacy to STORET.						
MNPCA1	LEG_P00930	Active	SODIUM, DISSOLVED (MG/L AS NA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00930 from Legacy to STORET.						
MNPCA1	LEG_P00935	Active	POTASSIUM, DISSOLVED (MG/L AS K)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00935 from Legacy to STORET.						
MNPCA1	LEG_P00937	Active	POTASSIUM, TOTAL MG/L AS K)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00937 from Legacy to STORET.						
MNPCA1	LEG_P00940	Active	CHLORIDE, TOTAL IN WATER MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00940 from Legacy to STORET.						
MNPCA1	LEG_P00941	Active	CHLORIDE, DISSOLVED IN WATER MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00941 from Legacy to STORET.						
MNPCA1	LEG_P00945	Active	SULFATE, TOTAL (MG/L AS SO4)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 00945 from Legacy to STORET.						

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MNPCA1	LEG_P0094 6	Active	SULFATE, DISSOLVED (MG/L AS SO4)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 00946 from Legacy to STORET.					
MNPCA1	LEG_P0095 0	Active	FLUORIDE, DISSOLVED (MG/L AS F)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 00950 from Legacy to STORET.					
MNPCA1	LEG_P0095 1	Active	FLUORIDE, TOTAL (MG/L AS F)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 00951 from Legacy to STORET.					
MNPCA1	LEG_P0095 5	Active	SILICA, DISSOLVED (MG/L AS SI02)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 00955 from Legacy to STORET.					
MNPCA1	LEG_P0095 6	Active	SILICA, TOTAL (MG/L AS SI02)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 00956 from Legacy to STORET.					
MNPCA1	LEG_P0095 8	Active	SILICATE, UNFILTERED REACTIVE (MG/L SIO3 AS SI)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 00958 from Legacy to STORET.					
MNPCA1	LEG_P0096 9	Active	CHRYSTILE ASBESTOS FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 00969 from Legacy to STORET.					
MNPCA1	LEG_P0097 0	Active	TREMOLITE AMPHIBOLE FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 00970 from Legacy to STORET.					
MNPCA1	LEG_P0097 1	Active	HORNBLLENDE AMPHIBOLE FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 00971 from Legacy to STORET.					

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MNPCA1	LEG_P0097 2	Active	AMBIGUOUS AMPHIBOLE FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00972 from Legacy to STORET.				
MNPCA1	LEG_P0097 3	Active	AMPHIBOLE ASBESTOS FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00973 from Legacy to STORET.				
MNPCA1	LEG_P0097 4	Active	ACTINOLITE AMPHIBOLE FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00974 from Legacy to STORET.				
MNPCA1	LEG_P0097 5	Active	CUMMINGTON- GRUNERITE AMPHIBOLE FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00975 from Legacy to STORET.				
MNPCA1	LEG_P0097 6	Active	AMBIGUOUS ASBESTOS FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00976 from Legacy to STORET.				
MNPCA1	LEG_P0097 7	Active	NON-AMPHIBOLE NON- CHRYSTILE ASBESTOS FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00977 from Legacy to STORET.				
MNPCA1	LEG_P0097 8	Active	ARSENIC,TOTAL RECOVERABLE IN WATER AS AS UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 00978 from Legacy to STORET.				
MNPCA1	LEG_P0100 0	Active	ARSENIC, DISSOLVED (UG/L AS AS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 01000 from Legacy to STORET.				
MNPCA1	LEG_P0100 2	Active	ARSENIC, TOTAL (UG/L AS AS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 01002 from Legacy to STORET.						
MNPCA1	LEG_P01003	Active	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01003 from Legacy to STORET.						
MNPCA1	LEG_P01004	Active	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01004 from Legacy to STORET.						
MNPCA1	LEG_P01005	Active	BARIUM, DISSOLVED (UG/L AS BA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01005 from Legacy to STORET.						
MNPCA1	LEG_P01007	Active	BARIUM, TOTAL (UG/L AS BA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01007 from Legacy to STORET.						
MNPCA1	LEG_P01012	Active	BERYLLIUM, TOTAL (UG/L AS BE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01012 from Legacy to STORET.						
MNPCA1	LEG_P01019	Active	CADMIUM (CD), BOTTOM DEPOSITS, TOTAL, WET WT,MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01019 from Legacy to STORET.						
MNPCA1	LEG_P01020	Active	BORON, DISSOLVED (UG/L AS B)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01020 from Legacy to STORET.						
MNPCA1	LEG_P01022	Active	BORON, TOTAL (UG/L AS B)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01022 from Legacy to STORET.						
MNPCA1	LEG_P0102	Active	CADMIUM, DISSOLVED	Unknown, 19--, No Cite - Method Not Cited,		

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	5		(UG/L AS CD)	Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 01025 from Legacy to STORET.				
MNPCA1	LEG_P0102 7	Active	CADMIUM, TOTAL (UG/L AS CD)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 01027 from Legacy to STORET.				
MNPCA1	LEG_P0102 8	Active	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 01028 from Legacy to STORET.				
MNPCA1	LEG_P0102 9	Active	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 01029 from Legacy to STORET.				
MNPCA1	LEG_P0103 0	Active	CHROMIUM, DISSOLVED (UG/L AS CR)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 01030 from Legacy to STORET.				
MNPCA1	LEG_P0103 2	Active	CHROMIUM, HEXAVALENT (UG/L AS CR)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 01032 from Legacy to STORET.				
MNPCA1	LEG_P0103 4	Active	CHROMIUM, TOTAL (UG/L AS CR)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 01034 from Legacy to STORET.				
MNPCA1	LEG_P0103 5	Active	COBALT, DISSOLVED (UG/L AS CO)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 01035 from Legacy to STORET.				
MNPCA1	LEG_P0103 7	Active	COBALT, TOTAL (UG/L AS CO)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 01037 from Legacy to STORET.				

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
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MNPCA1	LEG_P0104 0	Active	COPPER, DISSOLVED (UG/L AS CU)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 01040 from Legacy to STORET.				
MNPCA1	LEG_P0104 2	Active	COPPER, TOTAL (UG/L AS CU)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 01042 from Legacy to STORET.				
MNPCA1	LEG_P0104 3	Active	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 01043 from Legacy to STORET.				
MNPCA1	LEG_P0104 5	Active	IRON, TOTAL (UG/L AS FE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 01045 from Legacy to STORET.				
MNPCA1	LEG_P0104 6	Active	IRON, DISSOLVED (UG/L AS FE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 01046 from Legacy to STORET.				
MNPCA1	LEG_P0104 7	Active	IRON, FERROUS (UG/L AS FE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 01047 from Legacy to STORET.				
MNPCA1	LEG_P0104 9	Active	LEAD, DISSOLVED (UG/L AS PB)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 01049 from Legacy to STORET.				
MNPCA1	LEG_P0105 1	Active	LEAD, TOTAL (UG/L AS PB)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 01051 from Legacy to STORET.				
MNPCA1	LEG_P0105 2	Active	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 01052 from Legacy to STORET.				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P0105 3	Active	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01053 from Legacy to STORET.						
MNPCA1	LEG_P0105 5	Active	MANGANESE, TOTAL (UG/L AS MN)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01055 from Legacy to STORET.						
MNPCA1	LEG_P0105 6	Active	MANGANESE, DISSOLVED (UG/L AS MN)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01056 from Legacy to STORET.						
MNPCA1	LEG_P0105 9	Active	THALLIUM, TOTAL (UG/L AS TL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01059 from Legacy to STORET.						
MNPCA1	LEG_P0106 2	Active	MOLYBDENUM, TOTAL (UG/L AS MO)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01062 from Legacy to STORET.						
MNPCA1	LEG_P0106 4	Active	TELLURIUM, TOTAL IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01064 from Legacy to STORET.						
MNPCA1	LEG_P0106 5	Active	NICKEL, DISSOLVED (UG/L AS NI)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01065 from Legacy to STORET.						
MNPCA1	LEG_P0106 7	Active	NICKEL, TOTAL (UG/L AS NI)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01067 from Legacy to STORET.						
MNPCA1	LEG_P0106 8	Active	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 01068 from Legacy to STORET.						
MNPCA1	LEG_P01069	Active	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01069 from Legacy to STORET.						
MNPCA1	LEG_P01074	Active	NICKEL, TOTAL RECOVERABLE IN WATER AS NI UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01074 from Legacy to STORET.						
MNPCA1	LEG_P01077	Active	SILVER, TOTAL (UG/L AS AG)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01077 from Legacy to STORET.						
MNPCA1	LEG_P01082	Active	STRONTIUM, TOTAL (UG/L AS SR)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01082 from Legacy to STORET.						
MNPCA1	LEG_P01087	Active	VANADIUM, TOTAL (UG/L AS V)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01087 from Legacy to STORET.						
MNPCA1	LEG_P01090	Active	ZINC, DISSOLVED (UG/L AS ZN)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01090 from Legacy to STORET.						
MNPCA1	LEG_P01092	Active	ZINC, TOTAL (UG/L AS ZN)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01092 from Legacy to STORET.						
MNPCA1	LEG_P01093	Active	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01093 from Legacy to STORET.						
MNPCA1	LEG_P0109	Active	ANTIMONY, TOTAL (UG/L	Unknown, 19--, No Cite - Method Not Cited,		

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	7		AS SB)	Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01097 from Legacy to STORET.					
MNPCA1	LEG_P0110 2	Active	TIN, TOTAL (UG/L AS SN)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01102 from Legacy to STORET.					
MNPCA1	LEG_P0110 5	Active	ALUMINUM, TOTAL (UG/L AS AL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01105 from Legacy to STORET.					
MNPCA1	LEG_P0110 6	Active	ALUMINUM, DISSOLVED (UG/L AS AL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01106 from Legacy to STORET.					
MNPCA1	LEG_P0110 8	Active	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01108 from Legacy to STORET.					
MNPCA1	LEG_P0111 3	Active	CADMIUM,TOTAL RECOVERABLE IN WATER AS CD UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01113 from Legacy to STORET.					
MNPCA1	LEG_P0111 4	Active	LEAD,TOTAL RECOVERABLE IN WATER AS PB UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01114 from Legacy to STORET.					
MNPCA1	LEG_P0111 9	Active	COPPER,TOTAL RECOVERABLE IN WATER AS CU UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01119 from Legacy to STORET.					
MNPCA1	LEG_P0113 2	Active	LITHIUM, TOTAL (UG/L AS LI)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			

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Description This procedure was assigned upon migration of results with parameter code 01132 from Legacy to STORET.						
MNPCA1	LEG_P0114 2	Active	SILICON, TOTAL (UG/L AS SI)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01142 from Legacy to STORET.						
MNPCA1	LEG_P0114 3	Active	SILICON, IN SILICATE (UG/L SIO3 AS SI)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01143 from Legacy to STORET.						
MNPCA1	LEG_P0114 5	Active	SELENIUM, DISSOLVED (UG/L AS SE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01145 from Legacy to STORET.						
MNPCA1	LEG_P0114 7	Active	SELENIUM, TOTAL (UG/L AS SE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01147 from Legacy to STORET.						
MNPCA1	LEG_P0114 9	Active	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01149 from Legacy to STORET.						
MNPCA1	LEG_P0115 2	Active	TITANIUM, TOTAL (UG/L AS TI)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01152 from Legacy to STORET.						
MNPCA1	LEG_P0117 0	Active	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01170 from Legacy to STORET.						
MNPCA1	LEG_P0120 0	Active	SELENIUM IN TERRESTRIAL SOIL DRY WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 01200 from Legacy to STORET.						
MNPCA1	LEG_P0150	Active	ALPHA, TOTAL	Unknown, 19--, No Cite - Method Not Cited,		

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	1			Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01501 from Legacy to STORET.					
MNPCA1	LEG_P0150 3	Active	ALPHA, DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01503 from Legacy to STORET.					
MNPCA1	LEG_P0150 5	Active	ALPHA, SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01505 from Legacy to STORET.					
MNPCA1	LEG_P0151 9	Active	RADIATION, GROSS ALPHA, WHOLE WATER PC/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 01519 from Legacy to STORET.					
MNPCA1	LEG_P0350 1	Active	BETA, TOTAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 03501 from Legacy to STORET.					
MNPCA1	LEG_P0350 3	Active	BETA, DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 03503 from Legacy to STORET.					
MNPCA1	LEG_P0350 5	Active	BETA, SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 03505 from Legacy to STORET.					
MNPCA1	LEG_P0352 0	Active	RADIATION,GROSS BETA UC/ML	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 03520 from Legacy to STORET.					
MNPCA1	LEG_P0422 5	Active	CATION AND ANION SUMMATION, QC CHECK % DIFFERNCE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 04225 from Legacy to STORET.					

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MNPCA1	LEG_P0700 0	Active	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 07000 from Legacy to STORET.				
MNPCA1	LEG_P0701 7	Active	TRITIUM, TOTAL (TRITIUM UNITS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 07017 from Legacy to STORET.				
MNPCA1	LEG_P0950 1	Active	RADIUM 226, TOTAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 09501 from Legacy to STORET.				
MNPCA1	LEG_P1150 1	Active	RADIUM 228, TOTAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 11501 from Legacy to STORET.				
MNPCA1	LEG_P1350 1	Active	STRONTIUM 90, TOTAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 13501 from Legacy to STORET.				
MNPCA1	LEG_P3019 2	Active	MCPA, WATER, WHOLE, RECOVERABLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 30192 from Legacy to STORET.				
MNPCA1	LEG_P3029 5	Active	PROPACHLOR, WATER, WHOLE, RECOVERABLE, UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 30295 from Legacy to STORET.				
MNPCA1	LEG_P3150 1	Active	COLIFORM,TOT,MEMBRA NE FILTER,IMMED.M- ENDO MED,35C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 31501 from Legacy to STORET.				
MNPCA1	LEG_P3150 3	Active	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 31503 from Legacy to STORET.						
MNPCA1	LEG_P31504	Active	COLIFORM,TOT,MEMBR FILTER,IMMED,LES ENDO AGAR,35C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 31504 from Legacy to STORET.						
MNPCA1	LEG_P31505	Active	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 31505 from Legacy to STORET.						
MNPCA1	LEG_P31506	Active	COLIFORM,TOT,MPN,CONFIRMED TEST, TUBE CONFIG.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 31506 from Legacy to STORET.						
MNPCA1	LEG_P31507	Active	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 31507 from Legacy to STORET.						
MNPCA1	LEG_P31613	Active	Fecal Coliform, Membrane Filter Agar Technique, from Legacy STORET	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		APHA/9222-D
Description This procedure was assigned upon migration of fecal coliform results with parameter code 31613 from Legacy to STORET.						
MNPCA1	LEG_P31615	Active	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 31615 from Legacy to STORET.						
MNPCA1	LEG_P31616	Active	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 31616 from Legacy to STORET.						
MNPCA1	LEG_P3162	Active	FECAL COLIFORM, MF,M-	Unknown, 19--, No Cite - Method Not Cited,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	5		FC, 0.7 UM	Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 31625 from Legacy to STORET.				
MNPCA1	LEG_P31633	Active	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 31633 from Legacy to STORET.				
MNPCA1	LEG_P31639	Active	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 31639 from Legacy to STORET.				
MNPCA1	LEG_P31664	Active	DICLOFOP METHYL, WHOLE WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 31664 from Legacy to STORET.				
MNPCA1	LEG_P31673	Active	Fecal Streptococcus, Membrane Filter KF Agar Technique, from Legacy STORET	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		APHA/9230-C
	Description	This procedure was assigned upon migration of fecal streptococcus results with parameter code 31673 from Legacy to STORET.				
MNPCA1	LEG_P31679	Active	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 31679 from Legacy to STORET.				
MNPCA1	LEG_P31680	Active	FECAL STREPTOCOCCI,MF-KF BROTH,35C,4BH #/100 ML	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 31680 from Legacy to STORET.				
MNPCA1	LEG_P32101	Active	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 32101 from Legacy to STORET.						
MNPCA1	LEG_P32102	Active	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 32102 from Legacy to STORET.						
MNPCA1	LEG_P32103	Active	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 32103 from Legacy to STORET.						
MNPCA1	LEG_P32104	Active	BROMOFORM,WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 32104 from Legacy to STORET.						
MNPCA1	LEG_P32105	Active	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 32105 from Legacy to STORET.						
MNPCA1	LEG_P32106	Active	CHLOROFORM,WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 32106 from Legacy to STORET.						
MNPCA1	LEG_P32209	Active	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 32209 from Legacy to STORET.						
MNPCA1	LEG_P32210	Active	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 32210 from Legacy to STORET.						
MNPCA1	LEG_P32211	Active	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 32211 from Legacy to STORET.						

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MNPCA1	LEG_P3221 2	Active	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 32212 from Legacy to STORET.				
MNPCA1	LEG_P3221 4	Active	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 32214 from Legacy to STORET.				
MNPCA1	LEG_P3221 8	Active	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 32218 from Legacy to STORET.				
MNPCA1	LEG_P3221 9	Active	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AF TER ACID	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 32219 from Legacy to STORET.				
MNPCA1	LEG_P3223 0	Active	CHLOROPHYLL A (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 32230 from Legacy to STORET.				
MNPCA1	LEG_P3273 0	Active	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 32730 from Legacy to STORET.				
MNPCA1	LEG_P3273 1	Active	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 32731 from Legacy to STORET.				
MNPCA1	LEG_P3273 2	Active	PHENOLICS,DISSOLVED,U G/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 32732 from Legacy to STORET.				

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MNPCA1	LEG_P3273 3	Active	PHENOLICS,SUSPENDED, UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 32733 from Legacy to STORET.				
MNPCA1	LEG_P3273 4	Active	PHENOLICS,TISSUE,WET WEIGHT,MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 32734 from Legacy to STORET.				
MNPCA1	LEG_P3420 3	Active	ACENAPHTHYLENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 34203 from Legacy to STORET.				
MNPCA1	LEG_P3420 8	Active	ACENAPHTHENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 34208 from Legacy to STORET.				
MNPCA1	LEG_P3422 3	Active	ANTHRACENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 34223 from Legacy to STORET.				
MNPCA1	LEG_P3423 3	Active	BENZO(B)FLUORANTHEN E,SEDIMENTS,DRY WGT,UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 34233 from Legacy to STORET.				
MNPCA1	LEG_P3424 5	Active	BENZO(K)FLUORANTHEN E, DRY WT, SEDIMENT UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 34245 from Legacy to STORET.				
MNPCA1	LEG_P3425 0	Active	BENZO-A-PYRENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 34250 from Legacy to STORET.				
MNPCA1	LEG_P3430 1	Active	CHLOROBENZENE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 34301 from Legacy to STORET.				

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MNPCA1	LEG_P3431 1	Active	CHLOROETHANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34311 from Legacy to STORET.				
MNPCA1	LEG_P3432 3	Active	CHRYSENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34323 from Legacy to STORET.				
MNPCA1	LEG_P3437 1	Active	ETHYLBENZENE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34371 from Legacy to STORET.				
MNPCA1	LEG_P3437 9	Active	FLUORANTHENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34379 from Legacy to STORET.				
MNPCA1	LEG_P3438 4	Active	FLUORENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34384 from Legacy to STORET.				
MNPCA1	LEG_P3439 1	Active	HEXACHLOROBUTADIENE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34391 from Legacy to STORET.				
MNPCA1	LEG_P3440 6	Active	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34406 from Legacy to STORET.				
MNPCA1	LEG_P3441 3	Active	METHYL BROMIDE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34413 from Legacy to STORET.				
MNPCA1	LEG_P3441 8	Active	METHYL CHLORIDE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34418 from Legacy to STORET.				

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MNPCA1	LEG_P34423	Active	METHYLENE CHLORIDE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	This procedure was assigned upon migration of results with parameter code 34423 from Legacy to STORET.					
MNPCA1	LEG_P34445	Active	NAPHTHALENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	This procedure was assigned upon migration of results with parameter code 34445 from Legacy to STORET.					
MNPCA1	LEG_P34464	Active	PHENANTHRENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	This procedure was assigned upon migration of results with parameter code 34464 from Legacy to STORET.					
MNPCA1	LEG_P34472	Active	PYRENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	This procedure was assigned upon migration of results with parameter code 34472 from Legacy to STORET.					
MNPCA1	LEG_P34475	Active	TETRACHLOROETHYLEN E TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	This procedure was assigned upon migration of results with parameter code 34475 from Legacy to STORET.					
MNPCA1	LEG_P34480	Active	THALLIUM DRY WGTBOTMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	This procedure was assigned upon migration of results with parameter code 34480 from Legacy to STORET.					
MNPCA1	LEG_P34488	Active	TRICHLOROFLUOROMET HANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	This procedure was assigned upon migration of results with parameter code 34488 from Legacy to STORET.					
MNPCA1	LEG_P34496	Active	1,1-DICHLOROETHANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	This procedure was assigned upon migration of results with parameter code 34496 from Legacy to STORET.					
MNPCA1	LEG_P34501	Active	1,1-DICHLOROETHYLENE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	This procedure was assigned upon migration of results with parameter code 34501 from Legacy to STORET.					

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MNPCA1	LEG_P3450 6	Active	1,1,1-TRICHLOROETHANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34506 from Legacy to STORET.					
MNPCA1	LEG_P3451 1	Active	1,1,2-TRICHLOROETHANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34511 from Legacy to STORET.					
MNPCA1	LEG_P3451 6	Active	1,1,2,2- TETRACHLOROETHANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34516 from Legacy to STORET.					
MNPCA1	LEG_P3452 4	Active	BENZO(GHI)PERYLENE1,1 2-BENZOPERYLENDRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34524 from Legacy to STORET.					
MNPCA1	LEG_P3452 9	Active	BENZO(A)ANTHRACENE1, 2-BENZANTHRACENDRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34529 from Legacy to STORET.					
MNPCA1	LEG_P3453 6	Active	1,2-DICHLOROBENZENE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34536 from Legacy to STORET.					
MNPCA1	LEG_P3454 1	Active	1,2-DICHLOROPROPANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34541 from Legacy to STORET.					
MNPCA1	LEG_P3454 6	Active	TRANS-1,2- DICHLOROETHENE, TOTAL, IN WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34546 from Legacy to STORET.					
MNPCA1	LEG_P3455 1	Active	1,2,4- TRICHLOROBENZENE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
TOTWUG/L						
	Description	This procedure was assigned upon migration of results with parameter code 34551 from Legacy to STORET.				
MNPCA1	LEG_P3455 9	Active	1,2,5,6- DIBENZANTHRACENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34559 from Legacy to STORET.				
MNPCA1	LEG_P3456 6	Active	1,3-DICHLOROBENZENE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34566 from Legacy to STORET.				
MNPCA1	LEG_P3457 1	Active	1,4-DICHLOROBENZENE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34571 from Legacy to STORET.				
MNPCA1	LEG_P3457 6	Active	2-CHLOROETHYL VINYL ETHER TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34576 from Legacy to STORET.				
MNPCA1	LEG_P3466 8	Active	DICHLORODIFUOROMETH ANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34668 from Legacy to STORET.				
MNPCA1	LEG_P3466 9	Active	PCB - 1248 WET WGTTISMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34669 from Legacy to STORET.				
MNPCA1	LEG_P3467 0	Active	PCB - 1260 WET WGTTISMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34670 from Legacy to STORET.				
MNPCA1	LEG_P3467 1	Active	PCB - 1016 TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 34671 from Legacy to STORET.				

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MNPCA1	LEG_P3467 4	Active	PCB - 1016 WET WGTTISMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34674 from Legacy to STORET.					
MNPCA1	LEG_P3468 0	Active	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34680 from Legacy to STORET.					
MNPCA1	LEG_P3468 2	Active	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34682 from Legacy to STORET.					
MNPCA1	LEG_P3468 5	Active	ENDRIN WET WGTTISMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34685 from Legacy to STORET.					
MNPCA1	LEG_P3468 6	Active	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34686 from Legacy to STORET.					
MNPCA1	LEG_P3468 8	Active	HEXACHLOROBENZENE WET WGTTISMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34688 from Legacy to STORET.					
MNPCA1	LEG_P3468 9	Active	PCB - 1242 WET WGTTISMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34689 from Legacy to STORET.					
MNPCA1	LEG_P3469 0	Active	PCB - 1254 WET WGTTISMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 34690 from Legacy to STORET.					
MNPCA1	LEG_P3469 1	Active	TOXAPHENE WET WGTTISMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			

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Description This procedure was assigned upon migration of results with parameter code 34691 from Legacy to STORET.						
MNPCA1	LEG_P34696	Active	NAPHTHALENE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 34696 from Legacy to STORET.						
MNPCA1	LEG_P34699	Active	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 34699 from Legacy to STORET.						
MNPCA1	LEG_P34704	Active	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 34704 from Legacy to STORET.						
MNPCA1	LEG_P34754	Active	2,3,7,8-TETRACHLORODIBENZOP-DIOXIN TISWETWTPG/G	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 34754 from Legacy to STORET.						
MNPCA1	LEG_P34764	Active	ALDRIN, WET WEIGHT, TISSUE UG/G	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 34764 from Legacy to STORET.						
MNPCA1	LEG_P38260	Active	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 38260 from Legacy to STORET.						
MNPCA1	LEG_P38477	Active	LINURON WATER, TOTUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 38477 from Legacy to STORET.						
MNPCA1	LEG_P38578	Active	PROPAZINE, TOTAL, WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 38578 from Legacy to STORET.						

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MNPCA1	LEG_P3868 0	Active	CHLOROTOLUENE,2-, TOTAL, WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 38680 from Legacy to STORET.				
MNPCA1	LEG_P3869 7	Active	PCB, TOTAL, MISC MATRIX, WET WEIGHT UG/G	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 38697 from Legacy to STORET.				
MNPCA1	LEG_P3871 0	Active	BENTAZON WATER, TOTUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 38710 from Legacy to STORET.				
MNPCA1	LEG_P3874 0	Active	CHLORPYRIFOS-METHYL WATER, TOTUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 38740 from Legacy to STORET.				
MNPCA1	LEG_P3878 7	Active	ETHALFLURALIN WATER, TOTUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 38787 from Legacy to STORET.				
MNPCA1	LEG_P3902 3	Active	PHORATE, FLAME IONIZATION, WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 39023 from Legacy to STORET.				
MNPCA1	LEG_P3903 2	Active	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 39032 from Legacy to STORET.				
MNPCA1	LEG_P3905 3	Active	ALDICARB IN WHOLE WATER (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 39053 from Legacy to STORET.				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P39055	Active	SIMAZINE IN WHOLE WATER (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39055 from Legacy to STORET.						
MNPCA1	LEG_P39056	Active	PROMETONE IN WHOLE WATER (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39056 from Legacy to STORET.						
MNPCA1	LEG_P39060	Active	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39060 from Legacy to STORET.						
MNPCA1	LEG_P39061	Active	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39061 from Legacy to STORET.						
MNPCA1	LEG_P39062	Active	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39062 from Legacy to STORET.						
MNPCA1	LEG_P39063	Active	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39063 from Legacy to STORET.						
MNPCA1	LEG_P39064	Active	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39064 from Legacy to STORET.						
MNPCA1	LEG_P39065	Active	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 39065 from Legacy to STORET.						
MNPCA1	LEG_P39066	Active	CHLORDANE-TRANS ISOMER, TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39066 from Legacy to STORET.						
MNPCA1	LEG_P39067	Active	CHLORDANE-TRANS ISOMER, BOTTOM DEPOS(UG/KG DRY SL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39067 from Legacy to STORET.						
MNPCA1	LEG_P39068	Active	CHLORDANE-NONACHLOR, CIS ISO, WHOLE WTR (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39068 from Legacy to STORET.						
MNPCA1	LEG_P39069	Active	CHLORDANE-NONACHLOR, CIS ISO, TISSUE WET WGT(UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39069 from Legacy to STORET.						
MNPCA1	LEG_P39071	Active	CHLORDANE-NONACHLOR, TPANS ISO, WHOLE WTR (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39071 from Legacy to STORET.						
MNPCA1	LEG_P39072	Active	CHLORDANE-NONACHLOR, TRANS ISO, TISSUE, WET WT, UG/G	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39072 from Legacy to STORET.						
MNPCA1	LEG_P39073	Active	CHLORDANE-NONACHLOR, TRANS ISO, BOTTOM DEP UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39073 from Legacy to STORET.						

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MNPCA1	LEG_P3907 4	Active	BHC-ALPHA ISOMER, TISSUE UG/G WET WGT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39074 from Legacy to STORET.						
MNPCA1	LEG_P3907 6	Active	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39076 from Legacy to STORET.						
MNPCA1	LEG_P3910 5	Active	PERCENT FAT HEXANE EXTRACTION	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39105 from Legacy to STORET.						
MNPCA1	LEG_P3917 5	Active	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39175 from Legacy to STORET.						
MNPCA1	LEG_P3918 0	Active	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39180 from Legacy to STORET.						
MNPCA1	LEG_P3930 0	Active	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39300 from Legacy to STORET.						
MNPCA1	LEG_P3930 1	Active	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39301 from Legacy to STORET.						
MNPCA1	LEG_P3930 2	Active	P P DDT IN TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39302 from Legacy to STORET.						
MNPCA1	LEG_P3930 5	Active	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 39305 from Legacy to STORET.						
MNPCA1	LEG_P39306	Active	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39306 from Legacy to STORET.						
MNPCA1	LEG_P39307	Active	O P DDT IN TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39307 from Legacy to STORET.						
MNPCA1	LEG_P39310	Active	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39310 from Legacy to STORET.						
MNPCA1	LEG_P39311	Active	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39311 from Legacy to STORET.						
MNPCA1	LEG_P39312	Active	P P DDD IN TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39312 from Legacy to STORET.						
MNPCA1	LEG_P39315	Active	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39315 from Legacy to STORET.						
MNPCA1	LEG_P39316	Active	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39316 from Legacy to STORET.						
MNPCA1	LEG_P39320	Active	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39320 from Legacy to STORET.						
MNPCA1	LEG_P3932	Active	P,P' DDE IN BOTTOM	Unknown, 19--, No Cite - Method Not Cited,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	1		DEPOSITS (UG/KG DRY SOLIDS)	Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39321 from Legacy to STORET.					
MNPCA1	LEG_P3932 2	Active	P,P'-DDE IN TISSUE WET WGT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39322 from Legacy to STORET.					
MNPCA1	LEG_P3932 3	Active	P P DDE IN TISSUE, FAT BASIS (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39323 from Legacy to STORET.					
MNPCA1	LEG_P3932 5	Active	O,P DDD IN TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39325 from Legacy to STORET.					
MNPCA1	LEG_P3932 7	Active	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39327 from Legacy to STORET.					
MNPCA1	LEG_P3932 8	Active	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39328 from Legacy to STORET.					
MNPCA1	LEG_P3932 9	Active	O,P DDE IN TISSUE, WET WGT(UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39329 from Legacy to STORET.					
MNPCA1	LEG_P3933 0	Active	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39330 from Legacy to STORET.					
MNPCA1	LEG_P3933 3	Active	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 39333 from Legacy to STORET.						
MNPCA1	LEG_P39337	Active	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39337 from Legacy to STORET.						
MNPCA1	LEG_P39340	Active	GAMMA- BHC(LINDANE),WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39340 from Legacy to STORET.						
MNPCA1	LEG_P39343	Active	GAMMA- BHC(LINDANE),SEDIMENT S,DRY WGT,UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39343 from Legacy to STORET.						
MNPCA1	LEG_P39350	Active	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39350 from Legacy to STORET.						
MNPCA1	LEG_P39351	Active	CHLORDANE(TECH MIX&METABS),SEDIMENT S,DRY WGT,UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39351 from Legacy to STORET.						
MNPCA1	LEG_P39356	Active	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39356 from Legacy to STORET.						
MNPCA1	LEG_P39359	Active	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39359 from Legacy to STORET.						
MNPCA1	LEG_P39365	Active	DDE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 39365 from Legacy to STORET.						
MNPCA1	LEG_P39370	Active	DDT IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39370 from Legacy to STORET.						
MNPCA1	LEG_P39376	Active	DDT SUM ANALOGS INTISSUE WET WGT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39376 from Legacy to STORET.						
MNPCA1	LEG_P39379	Active	SUM OF ALL DDT,DDE&DDD VALUES IN WHL WATER SAMP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39379 from Legacy to STORET.						
MNPCA1	LEG_P39380	Active	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39380 from Legacy to STORET.						
MNPCA1	LEG_P39383	Active	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39383 from Legacy to STORET.						
MNPCA1	LEG_P39390	Active	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39390 from Legacy to STORET.						
MNPCA1	LEG_P39393	Active	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39393 from Legacy to STORET.						
MNPCA1	LEG_P39400	Active	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39400 from Legacy to STORET.						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P3940 4	Active	DIELDRIN IN TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39404 from Legacy to STORET.						
MNPCA1	LEG_P3940 5	Active	DIELDRIN IN TISSUE, FAT BASIS (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39405 from Legacy to STORET.						
MNPCA1	LEG_P3941 0	Active	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39410 from Legacy to STORET.						
MNPCA1	LEG_P3942 0	Active	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39420 from Legacy to STORET.						
MNPCA1	LEG_P3948 0	Active	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39480 from Legacy to STORET.						
MNPCA1	LEG_P3948 1	Active	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39481 from Legacy to STORET.						
MNPCA1	LEG_P3948 2	Active	METHOXYCHLOR IN FISH - UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39482 from Legacy to STORET.						
MNPCA1	LEG_P3949 7	Active	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39497 from Legacy to STORET.						
MNPCA1	LEG_P3949 9	Active	PCB - 1242 BOT. DEP.,PCB-SERIES DRY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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			SOL UG/KG				
	Description	This procedure was assigned upon migration of results with parameter code 39499 from Legacy to STORET.					
MNPCA1	LEG_P3950 4	Active	PCB - 1254 SERIES WHOLE WATER SAMPLE UG/L	PCB	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 39504 from Legacy to STORET.					
MNPCA1	LEG_P3950 5	Active	PCB - 1254 FRAC. OF WAT. SAMPLE UG/L	IN FILT.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 39505 from Legacy to STORET.					
MNPCA1	LEG_P3950 7	Active	PCB - 1254 DEPOS. DRY SOLIDS UG/KG	IN BOTTOM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 39507 from Legacy to STORET.					
MNPCA1	LEG_P3950 8	Active	PCB - 1260 SERIES WHOLE WATER SAMPLE UG/L	PCB	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 39508 from Legacy to STORET.					
MNPCA1	LEG_P3951 1	Active	PCB - 1260 DEPOS. DRY SOLIDS UG/KG	IN BOTTOM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 39511 from Legacy to STORET.					
MNPCA1	LEG_P3951 2	Active	PCB - 1254 ANIMALS WET WGT UG/KG	IN FISH OR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 39512 from Legacy to STORET.					
MNPCA1	LEG_P3951 4	Active	PCB - 1016 BOTTOM SEDIMENTS DRY WT UG/KG	IN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 39514 from Legacy to STORET.					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P39515	Active	PCBS (MG/KG) FISH TISSUE MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39515 from Legacy to STORET.						
MNPCA1	LEG_P39516	Active	PCBS IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39516 from Legacy to STORET.						
MNPCA1	LEG_P39519	Active	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39519 from Legacy to STORET.						
MNPCA1	LEG_P39570	Active	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39570 from Legacy to STORET.						
MNPCA1	LEG_P39600	Active	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39600 from Legacy to STORET.						
MNPCA1	LEG_P39630	Active	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39630 from Legacy to STORET.						
MNPCA1	LEG_P39700	Active	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39700 from Legacy to STORET.						
MNPCA1	LEG_P39701	Active	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 39701 from Legacy to STORET.						
MNPCA1	LEG_P3972	Active	PICLORAM IN WHOLE	Unknown, 19--, No Cite - Method Not Cited,		

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	0		WATER SAMPLE (UG/L)	Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39720 from Legacy to STORET.					
MNPCA1	LEG_P3973 0	Active	2,4-D IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39730 from Legacy to STORET.					
MNPCA1	LEG_P3974 0	Active	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39740 from Legacy to STORET.					
MNPCA1	LEG_P3975 5	Active	MIREX, TOTAL (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39755 from Legacy to STORET.					
MNPCA1	LEG_P3975 8	Active	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39758 from Legacy to STORET.					
MNPCA1	LEG_P3976 0	Active	SILVEX IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39760 from Legacy to STORET.					
MNPCA1	LEG_P3978 2	Active	LINDANE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39782 from Legacy to STORET.					
MNPCA1	LEG_P3978 3	Active	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39783 from Legacy to STORET.					
MNPCA1	LEG_P3978 5	Active	GAMMA- BHC(LINDANE),TISSUE,W ET WEIGHT,MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 39785 from Legacy to STORET.					

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MNPCA1	LEG_P3981 0	Active	CHLORDANE,GAMMA,IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 39810 from Legacy to STORET.					
MNPCA1	LEG_P4557 0	Active	PCBS IN ADIPOSE TISSUE (MG/KG)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 45570 from Legacy to STORET.					
MNPCA1	LEG_P4563 6	Active	TURBIDITY, LAB MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 45636 from Legacy to STORET.					
MNPCA1	LEG_P4612 3	Active	IRON, FERROUS, AS FE MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 46123 from Legacy to STORET.					
MNPCA1	LEG_P4631 3	Active	PHORATE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 46313 from Legacy to STORET.					
MNPCA1	LEG_P4631 7	Active	LASSO IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 46317 from Legacy to STORET.					
MNPCA1	LEG_P4649 1	Active	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WA TER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 46491 from Legacy to STORET.					
MNPCA1	LEG_P4650 2	Active	ZOOPLANKTON, TOTAL COUNT /LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 46502 from Legacy to STORET.					
MNPCA1	LEG_P4657 0	Active	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			

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MNPCA1		Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	Description	This procedure was assigned upon migration of results with parameter code 46570 from Legacy to STORET.					
MNPCA1	LEG_P4949 0	Active	VISUAL OBSERVATION, SUSPENDED, WATER CODE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 49490 from Legacy to STORET.					
MNPCA1	LEG_P4970 1	Active	TRANSPARENCY, SECCHI DISK, WATER FT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 49701 from Legacy to STORET.					
MNPCA1	LEG_P5004 0	Active	ELEVATION OF WATER LEVEL WITH REF.TO MEAN SEA L FT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 50040 from Legacy to STORET.					
MNPCA1	LEG_P5005 0	Active	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 50050 from Legacy to STORET.					
MNPCA1	LEG_P5006 0	Active	CHLORINE, TOTAL RESIDUAL (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 50060 from Legacy to STORET.					
MNPCA1	LEG_P5008 6	Active	SETTLEABLE MATTER (ML/L/HR)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 50086 from Legacy to STORET.					
MNPCA1	LEG_P5028 4	Active	MERCURY,METHYL- ,WAT,UNFILTERED,RECO VERABLE NG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 50284 from Legacy to STORET.					
MNPCA1	LEG_P6005 0	Active	ALGAE, TOTAL (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 60050 from Legacy to STORET.					

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MNPCA1	LEG_P6010 0	Active	ALGAE, COCCOID BLUE- GREEN (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 60100 from Legacy to STORET.				
MNPCA1	LEG_P6015 0	Active	ALGAE, FILAMENTOUS BLUE-GREEN (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 60150 from Legacy to STORET.				
MNPCA1	LEG_P6020 0	Active	ALGAE, COCCOID GREEN (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 60200 from Legacy to STORET.				
MNPCA1	LEG_P6030 0	Active	ALGAE, FLAGELLATE GREEN (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 60300 from Legacy to STORET.				
MNPCA1	LEG_P6035 0	Active	ALGAE, FLAGELLATE OTHER (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 60350 from Legacy to STORET.				
MNPCA1	LEG_P6037 0	Active	ALGAE, DIATOMS (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 60370 from Legacy to STORET.				
MNPCA1	LEG_P6099 0	Active	ZOOPLANKTON OTHER (/LITER)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 60990 from Legacy to STORET.				
MNPCA1	LEG_P7029 9	Active	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 70299 from Legacy to STORET.				
MNPCA1	LEG_P7030 0	Active	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 70300 from Legacy to STORET.				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P70301	Active	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 70301 from Legacy to STORET.						
MNPCA1	LEG_P70311	Active	PH, CaCO3 STABILITY (STANDARD UNITS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 70311 from Legacy to STORET.						
MNPCA1	LEG_P70314	Active	DACONIL(C8CL4N2) IN WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 70314 from Legacy to STORET.						
MNPCA1	LEG_P70318	Active	SOLIDS, TOTAL, PERCENT OF WET SAMPLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 70318 from Legacy to STORET.						
MNPCA1	LEG_P70320	Active	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 70320 from Legacy to STORET.						
MNPCA1	LEG_P70322	Active	SOLIDS, VOLATILE, PERCENT OF TOTAL SOLIDS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 70322 from Legacy to STORET.						
MNPCA1	LEG_P70348	Active	SOLIDS, SETTLEABLE ML/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 70348 from Legacy to STORET.						
MNPCA1	LEG_P70507	Active	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 70507 from Legacy to STORET.						
MNPCA1	LEG_P71825	Active	ACIDITY, TOTAL (MG/L AS H)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 71825 from Legacy to STORET.						
MNPCA1	LEG_P71870	Active	BROMIDE (MG/L AS BR)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 71870 from Legacy to STORET.						
MNPCA1	LEG_P71875	Active	HYDROGEN SULFIDE (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 71875 from Legacy to STORET.						
MNPCA1	LEG_P71885	Active	IRON (UG/L AS FE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 71885 from Legacy to STORET.						
MNPCA1	LEG_P71890	Active	MERCURY, DISSOLVED (UG/L AS HG)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 71890 from Legacy to STORET.						
MNPCA1	LEG_P71900	Active	MERCURY, TOTAL (UG/L AS HG)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 71900 from Legacy to STORET.						
MNPCA1	LEG_P71901	Active	MERCURY, TOTAL RECOVERABLE IN WATER AS HG UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 71901 from Legacy to STORET.						
MNPCA1	LEG_P71921	Active	MERCURY, TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 71921 from Legacy to STORET.						
MNPCA1	LEG_P71930	Active	MERCURY, TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 71930 from Legacy to STORET.						
MNPCA1	LEG_P7193	Active	LEAD, TOTAL IN FISH OR	Unknown, 19--, No Cite - Method Not Cited,		

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MNPCA1		Minnesota Pollution Control Agency					Comparable National Procedure ID
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	6		ANIMALS-WET WEIGHT BASIS	Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 71936 from Legacy to STORET.						
MNPCA1	LEG_P7193 7	Active	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 71937 from Legacy to STORET.						
MNPCA1	LEG_P7193 8	Active	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 71938 from Legacy to STORET.						
MNPCA1	LEG_P7193 9	Active	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 71939 from Legacy to STORET.						
MNPCA1	LEG_P7194 0	Active	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 71940 from Legacy to STORET.						
MNPCA1	LEG_P7201 7	Active	SERIES CODE (BM WELL DATA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 72017 from Legacy to STORET.						
MNPCA1	LEG_P7201 8	Active	SYSTEM CODE (BM WELL DATA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 72018 from Legacy to STORET.						
MNPCA1	LEG_P7201 9	Active	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 72019 from Legacy to STORET.						
MNPCA1	LEG_P7210	Active	DEPTH TO WATER LEVEL	Unknown, 19--, No Cite - Method Not Cited,			

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MNPCA1		Minnesota Pollution Control Agency					Comparable National Procedure ID
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	9		FROM A MEASURING POINT (FEET)	Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 72109 from Legacy to STORET.						
MNPCA1	LEG_P7301 0	Active	ETHYL ETHER BY GAS CHROMATOGRAPH (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 73010 from Legacy to STORET.						
MNPCA1	LEG_P7354 0	Active	CARBMOHACID,(1METHE TH),S- (2,3DICL2PROP)ESTOTWU G/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 73540 from Legacy to STORET.						
MNPCA1	LEG_P7401 0	Active	IRON, TOTAL (MG/L AS FE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 74010 from Legacy to STORET.						
MNPCA1	LEG_P7402 0	Active	FLOW, PUMP OUT MGD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 74020 from Legacy to STORET.						
MNPCA1	LEG_P7499 5	Active	ANATOMY CODE (SEE APPENDIX FOR ANATOMY LIST)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 74995 from Legacy to STORET.						
MNPCA1	LEG_P7598 0	Active	ATRAZINE,DE- ISOPROPYL-, WATER, TOTAL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 75980 from Legacy to STORET.						
MNPCA1	LEG_P7598 1	Active	ATRAZINE,DE-ETHYL-, WATER, TOTAL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 75981 from Legacy to STORET.						
MNPCA1	LEG_P7700	Active	ETHANOL	Unknown, 19--, No Cite - Method Not Cited,			

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	4		WHOLE WATER,UG/L	Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 77004 from Legacy to STORET.						
MNPCA1	LEG_P7701 5	Active	ISOPROPYL ALCOHOL(C3H8O) WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 77015 from Legacy to STORET.						
MNPCA1	LEG_P7701 8	Active	1-PROPANOL(N-PROPYL ALCOHOL) WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 77018 from Legacy to STORET.						
MNPCA1	LEG_P7703 4	Active	1-BUTANOL (N-BUTYL ALCOHOL) WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 77034 from Legacy to STORET.						
MNPCA1	LEG_P7709 3	Active	CIS-1,2- DICHLOROETHYLENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 77093 from Legacy to STORET.						
MNPCA1	LEG_P7711 9	Active	DICHLOROMONOFUORO METHANE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 77119 from Legacy to STORET.						
MNPCA1	LEG_P7712 8	Active	STYRENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description This procedure was assigned upon migration of results with parameter code 77128 from Legacy to STORET.						
MNPCA1	LEG_P7713 4	Active	1,3- DIMETHYLBENZENE(M- XYLENE) WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			

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Description This procedure was assigned upon migration of results with parameter code 77134 from Legacy to STORET.						
MNPCA1	LEG_P77135	Active	O-XYLENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77135 from Legacy to STORET.						
MNPCA1	LEG_P77166	Active	2,3-DICHLOROPROPENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77166 from Legacy to STORET.						
MNPCA1	LEG_P77168	Active	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77168 from Legacy to STORET.						
MNPCA1	LEG_P77170	Active	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77170 from Legacy to STORET.						
MNPCA1	LEG_P77173	Active	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77173 from Legacy to STORET.						
MNPCA1	LEG_P77222	Active	1,2,4- TRIMETHYLBENZENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77222 from Legacy to STORET.						
MNPCA1	LEG_P77223	Active	ISOPROPYLBENZENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77223 from Legacy to STORET.						
MNPCA1	LEG_P77224	Active	N-PROPYLBENZENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77224 from Legacy to STORET.						

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MNPCA1	LEG_P77226	Active	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77226 from Legacy to STORET.						
MNPCA1	LEG_P77342	Active	N-BUTYLBENZENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77342 from Legacy to STORET.						
MNPCA1	LEG_P77350	Active	SEC-BUTYLBENZENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77350 from Legacy to STORET.						
MNPCA1	LEG_P77353	Active	TERT-BUTYLBENZENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77353 from Legacy to STORET.						
MNPCA1	LEG_P77443	Active	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77443 from Legacy to STORET.						
MNPCA1	LEG_P77562	Active	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77562 from Legacy to STORET.						
MNPCA1	LEG_P77596	Active	METHYLENE BROMIDE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77596 from Legacy to STORET.						
MNPCA1	LEG_P77613	Active	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 77613 from Legacy to STORET.						

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MNPCA1		Minnesota Pollution Control Agency					Comparable National Procedure ID
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MNPCA1	LEG_P7765 1	Active	1,2-DIBROMOETHANE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 77651 from Legacy to STORET.					
MNPCA1	LEG_P7765 2	Active	1,1,2-TRICHLORO-1,2,2- TRIFLUOROET*WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 77652 from Legacy to STORET.					
MNPCA1	LEG_P7769 9	Active	4-CHLORO-O-TOLOXY ACETIC ACID (M*WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 77699 from Legacy to STORET.					
MNPCA1	LEG_P7770 0	Active	CARBARYL WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 77700 from Legacy to STORET.					
MNPCA1	LEG_P7782 5	Active	ALACHLOR WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 77825 from Legacy to STORET.					
MNPCA1	LEG_P7809 3	Active	TRI(CHLOROETHYL)PHOS PHATE IN WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 78093 from Legacy to STORET.					
MNPCA1	LEG_P7810 9	Active	ALLYLCHLORIDE,TOTAL, WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 78109 from Legacy to STORET.					
MNPCA1	LEG_P7811 0	Active	DICHLOROACETONITRILE ,TOT,WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
Description		This procedure was assigned upon migration of results with parameter code 78110 from Legacy to STORET.					
MNPCA1	LEG_P7812 1	Active	P-XYLENE + O- XYLENE,TOTAL,WHOLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
WATER SAMPLE UG/L						
Description This procedure was assigned upon migration of results with parameter code 78121 from Legacy to STORET.						
MNPCA1	LEG_P78124	Active	BENZENE IN WATER (VOLATILE ANALYSIS) UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 78124 from Legacy to STORET.						
MNPCA1	LEG_P78131	Active	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 78131 from Legacy to STORET.						
MNPCA1	LEG_P78132	Active	P-XYLENE IN WHOLE WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 78132 from Legacy to STORET.						
MNPCA1	LEG_P78460	Active	URANIUM 234+235+238, SUMMATION, WATER, WHOLE, PC/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 78460 from Legacy to STORET.						
MNPCA1	LEG_P78881	Active	PHOSPHAMIDON (DIMECRON), WHOLE WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 78881 from Legacy to STORET.						
MNPCA1	LEG_P78926	Active	FAT, PERCENT, IN TISSUE, WET WEIGHT %	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 78926 from Legacy to STORET.						
MNPCA1	LEG_P79027	Active	OCTACHLOR EPOXIDE IN FISH WET WGT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 79027 from Legacy to STORET.						
MNPCA1	LEG_P80029	Active	ALPHA GROSS TOTAL AS URANIUM NATURAL PC/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 80029 from Legacy to STORET.						
MNPCA1	LEG_P80080	Active	BOD, CARBONACEOUS, 1 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 80080 from Legacy to STORET.						
MNPCA1	LEG_P80081	Active	BOD, CARBONACEOUS, 3 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 80081 from Legacy to STORET.						
MNPCA1	LEG_P80082	Active	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 80082 from Legacy to STORET.						
MNPCA1	LEG_P80083	Active	BOD, CARBONACEOUS, 7 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 80083 from Legacy to STORET.						
MNPCA1	LEG_P80084	Active	BOD, CARBONACEOUS, 10 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 80084 from Legacy to STORET.						
MNPCA1	LEG_P80086	Active	BOD, CARBONACEOUS, 15 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 80086 from Legacy to STORET.						
MNPCA1	LEG_P80087	Active	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 80087 from Legacy to STORET.						
MNPCA1	LEG_P8008	Active	BOD, CARBONACEOUS,	Unknown, 19--, No Cite - Method Not Cited,		

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MNPCA1		Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	8		30 DAY, 20 DEG C MG/L	Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 80088 from Legacy to STORET.					
MNPCA1	LEG_P8008 9	Active	BOD, CARBONACEOUS, 40 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 80089 from Legacy to STORET.					
MNPCA1	LEG_P8011 4	Active	COLOR, CONCENTRATION AT WAVE LENGTH IN MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 80114 from Legacy to STORET.					
MNPCA1	LEG_P8015 3	Active	CARBON, ORGANIC, IN SEDIMENT (% AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 80153 from Legacy to STORET.					
MNPCA1	LEG_P8015 4	Active	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 80154 from Legacy to STORET.					
MNPCA1	LEG_P8027 3	Active	BOD, CARBONACEOUS, 25 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 80273 from Legacy to STORET.					
MNPCA1	LEG_P8128 4	Active	TRIFLURALIN(C13H16F3N 3O4) WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 81284 from Legacy to STORET.					
MNPCA1	LEG_P8129 4	Active	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 81294 from Legacy to STORET.					

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MNPCA1	LEG_P8130 9	Active	CARBONDISULFIDE(CS2) WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		Description This procedure was assigned upon migration of results with parameter code 81309 from Legacy to STORET.				
MNPCA1	LEG_P8132 7	Active	DICHLOROPROPANE WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		Description This procedure was assigned upon migration of results with parameter code 81327 from Legacy to STORET.				
MNPCA1	LEG_P8136 4	Active	RDX IN WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		Description This procedure was assigned upon migration of results with parameter code 81364 from Legacy to STORET.				
MNPCA1	LEG_P8140 3	Active	DURSBAN(CHLOROPYRIF OS)WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		Description This procedure was assigned upon migration of results with parameter code 81403 from Legacy to STORET.				
MNPCA1	LEG_P8140 5	Active	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		Description This procedure was assigned upon migration of results with parameter code 81405 from Legacy to STORET.				
MNPCA1	LEG_P8140 8	Active	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		Description This procedure was assigned upon migration of results with parameter code 81408 from Legacy to STORET.				
MNPCA1	LEG_P8141 0	Active	BUTYLATE (SUTAN),WHOLE WATER SAMPLE,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		Description This procedure was assigned upon migration of results with parameter code 81410 from Legacy to STORET.				
MNPCA1	LEG_P8150 1	Active	PENTACHLOROETHANE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 81501 from Legacy to STORET.						
MNPCA1	LEG_P8155 1	Active	XYLENE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 81551 from Legacy to STORET.						
MNPCA1	LEG_P8155 2	Active	ACETONE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 81552 from Legacy to STORET.						
MNPCA1	LEG_P8155 5	Active	BROMOBENZENE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 81555 from Legacy to STORET.						
MNPCA1	LEG_P8157 6	Active	DIETHYL ETHER WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 81576 from Legacy to STORET.						
MNPCA1	LEG_P8158 5	Active	ETHYL ACETATE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 81585 from Legacy to STORET.						
MNPCA1	LEG_P8159 5	Active	METHYL ETHYL KETONE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 81595 from Legacy to STORET.						
MNPCA1	LEG_P8159 6	Active	METHYL-ISOBUTYL KETONE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 81596 from Legacy to STORET.						
MNPCA1	LEG_P8160 7	Active	TETRAHYDROFURAN WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 81607 from Legacy to STORET.						
MNPCA1	LEG_P8161	Active	NUMBER OF INDIVIDUALS	Unknown, 19--, No Cite - Method Not Cited,		

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MNPCA1		Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	4		IN THE SAMPLE	Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 81614 from Legacy to STORET.					
MNPCA1	LEG_P8166 6	Active	ALUMINUM IN FISH TISSUE WET WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 81666 from Legacy to STORET.					
MNPCA1	LEG_P8175 7	Active	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 81757 from Legacy to STORET.					
MNPCA1	LEG_P8188 8	Active	DISULFOTON IN WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 81888 from Legacy to STORET.					
MNPCA1	LEG_P8189 4	Active	EPTC (EPTAM) IN WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 81894 from Legacy to STORET.					
MNPCA1	LEG_P8189 6	Active	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 81896 from Legacy to STORET.					
MNPCA1	LEG_P8189 7	Active	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 81897 from Legacy to STORET.					
MNPCA1	LEG_P8190 3	Active	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	This procedure was assigned upon migration of results with parameter code 81903 from Legacy to STORET.					

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MNPCA1	LEG_P8198 4	Active	TOTAL SEDIMENT PARTICLE SIZE %COARSER THAN 8.00PHI	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 81984 from Legacy to STORET.				
MNPCA1	LEG_P8200 5	Active	PERCENT TOTAL CARBON(INORG.&ORG.) IN SED DRY WGT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82005 from Legacy to STORET.				
MNPCA1	LEG_P8202 8	Active	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI(CAL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82028 from Legacy to STORET.				
MNPCA1	LEG_P8203 2	Active	CALCIUM - TOTAL UG/L (AS CA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82032 from Legacy to STORET.				
MNPCA1	LEG_P8203 3	Active	MAGNESIUM - TOTAL UG/L(AS MG)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82033 from Legacy to STORET.				
MNPCA1	LEG_P8205 1	Active	AMIBEN (CHLORAMBEN) WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82051 from Legacy to STORET.				
MNPCA1	LEG_P8207 6	Active	EXPOSURE AREA (REPORTED IN SQUARE CM.)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82076 from Legacy to STORET.				
MNPCA1	LEG_P8207 9	Active	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82079 from Legacy to STORET.				

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MNPCA1	LEG_P8208 8	Active	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82088 from Legacy to STORET.				
MNPCA1	LEG_P8209 3	Active	PHYTOPLANKTON, TOTAL NVMBER/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82093 from Legacy to STORET.				
MNPCA1	LEG_P8236 8	Active	CALCIUM DISSOLVED IN WATER AS CACO3 MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82368 from Legacy to STORET.				
MNPCA1	LEG_P8236 9	Active	MAGNESIUM DISSOLVED AS CACO3 IN WATER MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82369 from Legacy to STORET.				
MNPCA1	LEG_P8240 7	Active	FONOFOS IN FISH TISSUE (DYFONATE) WET WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82407 from Legacy to STORET.				
MNPCA1	LEG_P8240 8	Active	FONOFOS IN SEDIMENT (DYFONATE) DRY WEIGHT UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82408 from Legacy to STORET.				
MNPCA1	LEG_P8241 0	Active	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		This procedure was assigned upon migration of results with parameter code 82410 from Legacy to STORET.				
MNPCA1	LEG_P8254 5	Active	WATER LEVEL RELATIVE TO MEAN SEA LEVEL (FEET)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description This procedure was assigned upon migration of results with parameter code 82545 from Legacy to STORET.						
MNPCA1	LEG_P82546	Active	WATER LEVEL,DISTANCE FROM MEASURING POINT (FEET)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 82546 from Legacy to STORET.						
MNPCA1	LEG_P82559	Active	HYDROCARBONS,VOLATILE, IN WATER TOTALUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 82559 from Legacy to STORET.						
MNPCA1	LEG_P82584	Active	3-HYDROXY CARBOFURAN, WATER,TOTAL RECOVERABLE,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 82584 from Legacy to STORET.						
MNPCA1	LEG_P82586	Active	ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 82586 from Legacy to STORET.						
MNPCA1	LEG_P82587	Active	ALDICARB SULFONE, WH WATER, TOTAL RECOVERABLE,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 82587 from Legacy to STORET.						
MNPCA1	LEG_P82614	Active	DYFONATE (FONOFOS), WATER, TOTAL RECOVERABLE, UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 82614 from Legacy to STORET.						
MNPCA1	LEG_P84005	Active	FISH SPECIES CODE-FISH & WILDLIFE SER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description This procedure was assigned upon migration of results with parameter code 84005 from Legacy to STORET.						
MNPCA1	LEG_P8400	Active	ANATOMY ALPHA CODE	Unknown, 19--, No Cite - Method Not Cited,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	7			Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 84007 from Legacy to STORET.				
MNPCA1	LEG_P84008	Active	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 84008 from Legacy to STORET.				
MNPCA1	LEG_P84014	Active	SPECIES SEX CODE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 84014 from Legacy to STORET.				
MNPCA1	LEG_P84015	Active	AGE IN YEARS OF SPECIMEN COLLECTED YEARS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 84015 from Legacy to STORET.				
MNPCA1	LEG_P84100	Active	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 84100 from Legacy to STORET.				
MNPCA1	LEG_P84168	Active	AVIAN SPECIES ALPHA CODE (BIRDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 84168 from Legacy to STORET.				
MNPCA1	LEG_P84169	Active	MAMMALIAN ALPHA SPECIES CODE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 84169 from Legacy to STORET.				
MNPCA1	LEG_P84170	Active	ALPHA AGE TEXT CODE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This procedure was assigned upon migration of results with parameter code 84170 from Legacy to STORET.				
MNPCA1	LEG_P85795	Active	XYLENE, META & PARA, WATER, WHOLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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MNPCA1		Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	Description	This procedure was assigned upon migration of results with parameter code 85795 from Legacy to STORET.					
MNPCA1	LEG_UNKN OWN	Active	Legacy STORET migration; analytical procedure not specified	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	Legacy STORET did not specify analytical procedures for most parameters. This procedure was assigned upon migration to STORET where the historical analytical procedure could not be determined.					
MNPCA1	LK DEPTH BOTTOM	Active	Depth, bottom	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages			
MNPCA1	MCES COD	Active	Chemical Oxygen Demand, USEPA 410.4	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020			
MNPCA1	MCES DOC	Active	Dissolved Organic Carbon in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
MNPCA1	MCES FC	Active	Fecal Coliform, EPA 600/18-78-017	USEPA, 1978, Microbiological Methods for Monitoring the Environment: Water and Wastes., USEPA, EPA 600/8-78-017			
MNPCA1	MCES HARDNESS	Active	Hardness in Water, APHA 2340-C	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition			
MNPCA1	MCES TOC	Active	Total Organic Carbon in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
MNPCA1	MCES VSS	Active	Solids, Suspended Volatile, USGS 1-3767-78	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
MNPCA1	MDH001	Active	Solids, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/160.3	
MNPCA1	MDH001D	Active	Solids, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000,		USEPA/160.3	

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH002	Active	Solids, Volatile	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/160.4
MNPCA1	MDH002C	Active	Solids, Total Volatile	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/160.4
MNPCA1	MDH003	Active	Solids, Suspended	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/160.2
MNPCA1	MDH003_W	Active	Solids, Suspended, Whole Water Analysis	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/160.2
	Description	This method is the same as MDH003 (MDH analytical request code 003), with the single difference that the measurement is performed on the whole sample collected rather than on an aliquot subsample of the total sample collected. This is performed when specially requested on the analytical request form.				
MNPCA1	MDH004	Active	Solids, Suspended Volatile	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/160.4
MNPCA1	MDH005D	Active	Solids, Total Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/160.1
MNPCA1	MDH011D	Active	Turbidity	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/180.1

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	MDH012	Active	Color	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH013B	Active	pH	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/150.1
MNPCA1	MDH014	Active	Conductance at 25 degrees Centigrade	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/120.1
MNPCA1	MDH018	Active	Alkalinity, Carbonate	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH019	Active	Alkalinity, Bicarbonate	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		APHA/2320
MNPCA1	MDH022G	Active	Alkalinity, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		APHA/2320
MNPCA1	MDH023F	Active	Chloride, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/325.1
MNPCA1	MDH028D	Active	Sulfate, Total, Turbidimetric	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/375.4
MNPCA1	MDH030B	Active	Silica, Reactive, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		APHA/4500-Si(D)

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH050B	Active	Silica, Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		APHA/4500-SI(D)
MNPCA1	MDH058C	Active	Phosphorus, Total, Low Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/365.4
MNPCA1	MDH059C	Active	Phosphorus, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/365.4
MNPCA1	MDH060	Active	Phosphorus, Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH063C	Active	Orthophosphate, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/365.2
MNPCA1	MDH064C	Active	Ammonia Nitrogen, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/350.1
MNPCA1	MDH065	Active	Organic Nitrogen, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/351.2
MNPCA1	MDH067	Active	Nitrite Nitrogen, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000,		

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH068	Active	Kjeldahl Nitrogen, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages	Colorimeter	USEPA/351.2
MNPCA1	MDH069E	Active	Nitrate and Nitrite Nitrogen, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/353.2
MNPCA1	MDH070C	Active	Orthophosphate, Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/365.2
MNPCA1	MDH073	Active	Nitrite Nitrogen, Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH077C	Active	Ammonia Nitrogen, Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/350.1
MNPCA1	MDH078E	Active	Nitrate and Nitrite Nitrogen, Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/353.2
MNPCA1	MDH083G	Active	Carbonaceous Biochemical Oxygen Demand, 5 day	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/405.1
MNPCA1	MDH095	Active	Biochemical Oxygen Demand, 20 day, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html,		

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH096G	Active	Biochemical Oxygen Demand, 5 day, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/405.1
MNPCA1	MDH097E	Active	Chemical Oxygen Demand, Hach Vial Method	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH098	Active	Total Organic Carbon	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/415.2_M
MNPCA1	MDH099	Active	Dissolved Organic Carbon	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/415.1
MNPCA1	MDH152	Active	Iron, Total, High Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/236.2_M
MNPCA1	MDH152C	Active	Iron in Water, Total, High Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/236.2
MNPCA1	MDH154	Active	Iron in Water, Dissolved, High Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH166	Active	Manganese, Total, High Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	MDH194	Active	Zinc in Water, Total, High Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH203	Active	Volatiles in Soil or Sediment, Percent, by Gravimetry	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
	Description	Volatiles in Soil or Sediment, Percent, by Gravimetry				
MNPCA1	MDH204	Active	Moisture in Soil or Sediment, Percent, by Gravimetry	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
	Description	Moisture in Soil or Sediment, Percent, by Gravimetry				
MNPCA1	MDH208F	Active	Calcium as CaCO3 SDWA, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/215.1_M
MNPCA1	MDH209F	Active	Magnesium in Water, Total, as CaCO3	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/242.1_M
MNPCA1	MDH228	Active	Molybdenum in Water by ICP/MS, Total, Low Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/200.8(W)
MNPCA1	MDH239	Active	Hardness in Water, Ca + Mg, Total, as CaCO3	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH255F	Active	Potassium in Water, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/258.1_M

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH257G	Active	Sodium in Water, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/273.1_M
MNPCA1	MDH261	Active	Water Content in Sediment	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH262	Active	Phosphorus in Sediment, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages	Atomic Absorption Spectrophotometer	
	Description	Phosphorus in Sediment, Total, by Ultraviolet or Visible Molecular Absorption Spectrometry, QuikChem method 13-115-01-1-B				
MNPCA1	MDH264	Active	Chemical Oxygen Demand in Sediment	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH293	Active	Sulfate, Total, Ion Chromatography	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages	Ion Chromatograph	APHA/4500-SO4(B)
MNPCA1	MDH310A	Active	MF - Fecal Coliform	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		APHA/9222-D
MNPCA1	MDH311A	Active	MF - Escherichia Coli	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH313A	Active	MF - Fecal Streptococcus	Minnesota Pollution Control Agency Quality Assurance Program, 2000,		APHA/9230-C

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH355	Active	Microcystin	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
	Description	Microcystin (toxin produced by blue green algae & bacteria)				
MNPCA1	MDH356	Active	Saxitoxin	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
	Description	Saxitoxin				
MNPCA1	MDH402	Active	SVOCs in Water by GCMS	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/8270C(W)
MNPCA1	MDH450	Active	Chlorophyll A (H2O), field filtered	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH451	Active	Pheophytin-A (H2O)	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH452	Active	Chlorophyll A (H2O), lab filtered	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH465	Active	VOCs in Water	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		USEPA/502.2(EL CD)

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	MDH468	Active	VOCs in Water by GCMS (USEPA 524.2)	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/524.2
MNPCA1	MDH498	Active	VOCs in Water by GCMS (USEPA 8260B)	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/8260B
MNPCA1	MDH555	Active	Perfluorinated Compounds (PFCs) by LC/MS/MS	MDH Public Health Laboratory, 2008, Environmental Laboratory Sampling and Analysis Guide, Minnesota Department of Health, all pages		
	Description	Perfluorinated Compounds (PFCs) in Water by Liquid Chromatography/Liquid Chromatography/Mass Spectrometry (LC/MS/MS)				
MNPCA1	MDH614	Active	Boron in Water by ICP-AES, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		USEPA/200.7(W)
MNPCA1	MDH631	Active	Aluminum in Water, Total, High Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH793	Active	Mercury, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
	Description	Mercury, Total, by MDH method 793				
MNPCA1	MDH794	Active	Mercury, Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
	Description	Mercury, Dissolved, by MDH method 794				
MNPCA1	NRRI 4500-NORGD	Active	Nitrogen, Total, by Block Digestion and Flow Injection	American Public Health Association, 1998, Standard Methods for the Examination of Water		

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MNPCA1		Minnesota Pollution Control Agency				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Analysis	and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCA1	NRRI CHLA-PHEO	Active	Chlorophyll-a and Pheophytin by Spectrometry	Ameel, JJ et al, 1998, Analytical Chemistry and Quality Assurance Procedures for Natural Water, Wastewater and Sediment Samples., Natural Resources Research Institute, nrri / tr - 98/28	Spectrophotometer	APHA/10200-H
MNPCA1	P0002561	Active	Perfluorinated compounds (PFCs) by Exygen Protocol P0002561	Malinsky, Michelle D., Ph.D., 2007, Analytical Interim Report #15 Phase I & Phase II: Analysis of PFBA, PFOA, PFBS, PFHS, and PFOS in Soil Samples from the Woodbury Waste Disposal Site, 3M Company St. Paul, Minnesota, all pages Document/Graphic		
	Description	Method of Analysis for the Determination of Perfluorinated Compounds in Water, Soil, and Sediment by High Performance Liquid Chromatography/Liquid Chromatography/Mass Spectrometry (LC/MS/MS)				
MNPCA1	PRTCLESZ _0.063	Active	Particle Size, Percent Smaller than 0.063mm	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Suspended sediment, sieve diameter, percent smaller than 0.063 millimeters				
MNPCA1	PRWD_GA GE	Active	Pelican River Watershed District Stream Gauge	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCA1	PRWD_GA GE-CLVRT	Active	Pelican River Watershed District Stream Gauge - Culvert	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCA1	PRWD_GA GE-DNSTR	Active	Pelican River Watershed District Stream Gauge - Downstream	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCA1	PRWD_GA GE-MID	Active	Pelican River Watershed District Stream Gauge - Middle	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCA1	PRWD_GA GE-MPCA	Active	Pelican River Watershed District Stream Gauge - MPCA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	PRWD_GA GE-SALLI	Active	Pelican River Watershed District Stream Gauge - Sallie at Dunton Locks	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCA1	PRWD_GA GE-TAIL	Active	Pelican River Watershed District Stream Gauge - Tail	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCA1	PRWD_GA GE-UPSTR	Active	Pelican River Watershed District Stream Gauge - Upstream	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCA1	QC10-107-04-1-C	Active	Nitrate and Nitrite Nitrogen, Total, by QuikChem method 10-107-04-1-C	Lachat Instruments, a Hach Company Brand, 1994, QuikChem Automated Ion Analyzer Methods Manual, Lachat Instruments, a Hach Company Brand, all pages	AutoAnalyzer	USEPA/353.2
MNPCA1	QC10-107-06-1-C	Active	Ammonia Nitrogen, Total, by QuikChem method 10-107-06-1-C	Lachat Instruments, a Hach Company Brand, 1994, QuikChem Automated Ion Analyzer Methods Manual, Lachat Instruments, a Hach Company Brand, all pages	AutoAnalyzer	USEPA/350.1
MNPCA1	QC10-115-01-1-A	Active	Orthophosphate, Total, by QuikChem method 10-115-01-1-A	Lachat Instruments, a Hach Company Brand, 1994, QuikChem Automated Ion Analyzer Methods Manual, Lachat Instruments, a Hach Company Brand, all pages	AutoAnalyzer	USEPA/365.1
MNPCA1	QC10-115-01-1-C	Active	Phosphorus, Total, by QuikChem method 10-115-01-1-C	Lachat Instruments, a Hach Company Brand, 1994, QuikChem Automated Ion Analyzer Methods Manual, Lachat Instruments, a Hach Company Brand, all pages	AutoAnalyzer	USEPA/365.4
MNPCA1	QC20-107-04-1B	Active	Nitrogen, Total, by QuikChem method 20-107-04-1B	Lachat Instruments, a Hach Company Brand, 1994, QuikChem Automated Ion Analyzer Methods Manual, Lachat Instruments, a Hach Company Brand, all pages	AutoAnalyzer	
MNPCA1	REDOX	Active	Oxidation-Reduction Potential	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages	Probe	

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	TDD	Active	Tape-down Distance Measurement to Water Surface	Minnesota Pollution Control Agency, March 2008, QAPP, Minnesota Pollution Control Agency, 1-36		
Description The distance from a stable reference point over the stream to the water level, typically with a weighted measuring tape. Additional description of reference points or method will be available with the station information in STORET if provided by the participant.						
MNPCA1	USEPA 300.0	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
MNPCA1	USEPA 8270D	Active	Semivolatile Organic Compounds by GC/MS	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
Description Semivolatile Organic Compounds by GC/MS						
MNPCA1	USGS I-4540-85	Active	Nitrogen, Total Nitrite by ASF diazotization and colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1		
MNPCA1	UW-MAD-HG	Active	Mercury by CV-AFS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Cold Vapor Atomic Fluorescence Spectrophotometer	USEPA/1631
MNPCA1	WSLH-CAMG	Active	Calcium and Magnesium by ICP/AES	Wisconsin State Laboratory of Hygiene, 1995, Inductively Coupled Plasma-Emission Spectrometry (ICP/AES), Wisconsin State Laboratory of Hygiene, all pages		USEPA/200.7(W)
MNPCA1	WSLH-HG	Active	Mercury by CV-AFS	Wisconsin State Laboratory of Hygiene, 1995, Total Mercury by Oxidation, Purge & Trap, and Cold Vapor Atomic Fluorescence Spectrometry (CV-AFS), Wisconsin State Laboratory of Hygiene, all pages	Cold Vapor Atomic Fluorescence Spectrophotometer	USEPA/1631
MNPCA1	WSLH-MTLS	Active	Trace Metals by ICP/MS	Wisconsin State Laboratory of Hygiene, 1995, Determination of Trace Elements in Waters by	Inductively Coupled Plasma	USEPA/1638

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MNPCA1	Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
				Inductively Coupled Plasma-Mass Spectrometry (ICP/MS), Wisconsin State Laboratory of Hygiene, all pages	Combined with Mass Spectrophotome	
NIOSH	2510	Active	1-Octanethiol by GC/FPD	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition,, National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	
USDOI/USGS	I1540	Active	Nitrite-Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Spectrophotomet er	
USDOI/USGS	I2540	Active	Nitrite-Nitrogen in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I2601	Active	Orthophosphate-Phosphorus by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
USDOI/USGS	I3765	Active	Residue by Evaporation and Gravimetric	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Laboratory Balance	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	110.3	Active	Color by Spectrophotometric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotomet er	
USEPA	1103.1	Active	Escherichia coli in Water by Membrane Filtration Using membrane-Thermotolerant E. coli Agar (mTEC)	USEPA, 2002, Method 1103.1: Escherichia coli (E. coli) in Water by Membrane Filtration Using membrane-Thermotolerant Escherichia coli Agar (mTEC) (September 2002), USEPA, EPA 821-R-02-020		

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MNPCA1		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	150.2	Active	pH by Continuous Monitoring	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1600	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	USEPA, 2002, Method 1600: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI) (September 2002), USEPA, EPA 821-R-02-022		
USEPA	1603	Active	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	USEPA, 2002, Method 1603: Escherichia coli (E. coli) in Water by Membrane Filtration Using Modified membrane-Thermotolerant Escherichia coli Agar (Modified mTEC) (September 2002), USEPA, EPA 821-R-02-023		

Field/Lab Analytical Procedures and Equipment Detail

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MNPCA1

Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	253.2	Active	Palladium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	305	Active	Emissions of Volatiles in Waste	USEPA, 19--, 40 CFR part 63, Appendix A, USEPA, 40CFR63_A	Gas Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.1	Active	Chloride by Colorimetric	USEPA, 1983, Methods for Chemical Analysis of	AutoAnalyzer	

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MNPCA1		Minnesota Pollution Control Agency				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Analysis I	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(A)	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2_M	Active	Nitrate and Nitrite by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	

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MNPCA1	Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	410.2	Active	Low Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-	

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Red Detector	
USEPA	415.2_M	Active	Total Organic Carbon in Water	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Flame Ionization Detector	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8021A(ELC D)	Active	Halogenated and Aromatic Volatiles	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Electrolytic Conductivity Detector	
MNPCA1	DUMMY	Susp	Dummy procedure to assign when SIM refuses a genuine procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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MNPCAB Minnesota Pollution Control Agency Biological Monitoring						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCAB	DO PROBE	Active	Dissolved Oxygen, Membrane Electrode Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCAB	FLD CONDUCTANCE	Active	Conductance, Specific - umhos at 25 deg C	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
MNPCAB	FLD PH	Active	pH, Electrometric Method	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
MNPCAB	FLD TEMP	Active	Temperature , water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
MNPCAB	MDH003	Active	Solids, Suspended	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH005	Active	Solids, Total Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH011D	Active	Turbidity	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH012	Active	Color	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH023F	Active	Chloride, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH028D	Active	Sulfate, Total, Turbidimetric	Minnesota Pollution Control Agency Quality		

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MNPCAB Minnesota Pollution Control Agency Biological Monitoring						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH059C	Active	Phosphorus, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH068	Active	Kjeldahl Nitrogen, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages	Colorimeter	USEPA/351.2
MNPCAB	MDH098	Active	Total Organic Carbon	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH251	Active	Ca as CaCO3 HL, Total, H2O	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH253	Active	Mg as CaCO3 - HL, Total, H2O	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH450	Active	Chlorophyll A (H2O), field filtered	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH451	Active	Pheophytin-A (H2O)	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		

Field/Lab Analytical Procedures and Equipment Detail

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MNPCAP		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	4500-CL-(E)	Active	Chloride in Water by Colorimetry- Automated Ferricyanide Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
MNPCAP	BACTERIA	Active	Bacteria analysis by unspecified method	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD ALKALINIT Y	Active	Alkalinity, Total, by Field Kit or Meter	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD CHLORIDE	Active	Chloride by Field Kit or Meter	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD DO	Active	Dissolved Oxygen by Field Kit or Meter	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD IRON FE+2	Active	Iron, Ferrous, Fe+2 by Field Kit or Meter	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD NH4-N	Active	Nitrogen, Ammonium (NH4) as N, by Field Kit or Meter	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD NO3-N	Active	Nitrogen, Nitrate (NO3) as	Minnesota Pollution Control Agency Quality		

Field/Lab Analytical Procedures and Equipment Detail

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MNPCAP		Minnesota Pollution Control Agency				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			N, by Field Kit or Meter	Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD ORP	Active	Oxidation Reduction Potential by Field Kit or Meter	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD PH	Active	pH by Field Kit or Meter	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD SO4-S	Active	Sulfur, Sulfate (SO4) as S, by Field Kit or Meter	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD SPEC COND	Active	Specific Conductance by Field Kit or Meter	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAP	FLD TEMP	Active	Temperature, Water, by Field Kit or Meter	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAP	GENCHEM	Active	Chemical analysis by unspecified method	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages		
MNPCAP	P0002561	Active	Perfluoronated chemicals (PFCs) by Exygen Protocol P0002561	Malinsky, Michelle D., Ph.D., 2007, Analytical Interim Report #15: Phase I & Phase II: Analysis of PFBA, PFOA, PFBS, PFHS, and PFOS in Soil Samples from the Woodbury Disposal Site, 3M Company St. Paul, Minnesota, all pages Document/Graphic		

Field/Lab Analytical Procedures and Equipment Detail

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MNPCAP		Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	Description	Method of Analysis for the Determination of Perfluorinated Compounds in Water, Soil, and Sediment by High Performance Liquid Chromatography/Liquid Chromatography/Mass Spectrometry (LC/MS/MS)					
MNPCAP	PESTICIDE	Active	Pesticide analysis by unspecified method	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages			
MNPCAP	SEMIVOLA TILE	Active	Semivolatile compound analysis by unspecified method	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages			
MNPCAP	TRITIUM	Active	Tritium analysis by unspecified method	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages			
MNPCAP	VOC	Active	VOC analysis by unspecified method	Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages			
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer		

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SI(D)	Active	Silica in Water by	American Public Health Association, 1992,	Spectrophotomet	

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Spectrophotometry-Molybdosilicate Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	er	
APHA	4500-SO4(B)	Active	Sulfate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	5310-D	Active	Total Organic Carbon in Water- Wet-Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
MONT-DEQ	202.1OR2\200.7	Active	Aluminum by AA Flame or Furnace 202.1 or 202.2 or 200.7 ICP	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	220.1OR2\200.7	Active	Copper by AA Flame or Furnace 220.1 or 220.2 or 200.7 ICP	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	236.1OR2\200.7	Active	Iron by AA - Flame or Furnace 236.1or 236.2 or ICP 200.7	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June		

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				25 1997		
MONT-DEQ	243.1OR2\200.7	Active	Manganese by AA - Flame or Furnace 243.1 or 243.2 or 200.7 ICP	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	249.1OR2\200.7	Active	Nickel by AA - Flame or Furnace 249.1 or 249.2 or ICP 200.7	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	289.1OR2\200.7	Active	Zinc by AA - Flame or Furnace 289.1 or 289.2 or 200.7 ICP	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	325.3\DION EX	Active	Chloride by 325.3 Titration or Dionex - Ion Chromatography	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	375.3\DION EX	Active	Sulfate by 375.3 Gravimetric or Dionex - Ion Chromatography	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		

Field/Lab Analytical Procedures and Equipment Detail

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MONT-DEQ	CA-215.1OR200.7	Active	Calcium by 215.1 Flame AA or 200.7 ICP	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	CD-213.2OR200.7	Active	Cadmium by 213.2 AA - Furnace or 200.7 ICP	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	DO-001	Active	Field Method for Determination of Dissolved Oxygen, Probe	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
MONT-DEQ	FISH MEASURES	Active	Field Determination of Whole Fish Physical Characteristics	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --		
MONT-DEQ	HG-245.1OR245.2	Active	Mercury by AA - Cold vapor, manual or automated 245.1 or 245.2	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	HISTORIC	Active	Historic Data Migrated from STOREASE; Procedure Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description STOREASE contained data downloaded from the mainframe STORET system and data that was entered directly into the PC-based STOREASE system. STOREASE contained many more fields and attributes than allowed in the 'old' STORET System.						

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MONT-DEQ	ICAPSCAN	Active	ICAPSCAN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	ICAPSCAN				
MONT-DEQ	K-258.1OR20 0.7	Active	Potassium by 258.1 Flame AA or 200.7 ICP	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	MG-242.1OR20 0.7	Active	Magnesium by 242.1 Flame AA or 200.7 ICP	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	MT-FM-DO	Active	Dissolved Oxygen, Field Determination by Membrane Electrode	Montana Department of Environmental Quality, 1995, Standard Operating Procedures Manual, MT DEQ, 1	Probe	USEPA/360.1
MONT-DEQ	MT-FM-PH	Active	pH, Water, Field Determination by Probe	Montana Department of Environmental Quality, 1995, Standard Operating Procedures Manual, MT DEQ, 1	Probe	
MONT-DEQ	MT-FM-SAL	Active	Salinity, Field Determination by Probe	Montana Department of Environmental Quality, 1995, Standard Operating Procedures Manual, MT DEQ, 1	Probe	
MONT-DEQ	MT-FM-SPC	Active	Specific Conductance, Field Determination, by Probe	Montana Department of Environmental Quality, 1995, Standard Operating Procedures Manual, MT DEQ, 1	Conductivity Meter	
MONT-DEQ	MT-FM-TEMP	Active	Temperature, Water, Field Determination by Probe	Montana Department of Environmental Quality, 1995, Standard Operating Procedures Manual, MT DEQ, 1	Probe	

Field/Lab Analytical Procedures and Equipment Detail

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MONT-DEQ	MT-FMO-FLOW	Active	Flow, Field Determination w/ Current Meter	Montana Department of Environmental Quality, 1995, Standard Operating Procedures Manual, MT DEQ, 1	Electromagnetic Current Meter	
MONT-DEQ	MT-FMO-FLOW-EST	Active	Flow, Field determination, Estimated	Montana Department of Environmental Quality, 1995, Standard Operating Procedures Manual, MT DEQ, 1	Generic method-specific equipment	
MONT-DEQ	MT-PCLSCBMW	Active	Historic Coalstrip Well Data	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	NA-273.1OR20 0.7	Active	Sodium by 273.1 Flame AA or 200.7 ICP	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	PB-239.2OR20 0.7	Active	Lead by AA - Furnace 239.2 or 200.7	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	PEBBLE	Active	Wolman Pebble Count - Substrate Characterization	USDA Forest Service: Harrelson, Cheryl C., Rawlins, C.L., Potyondy, John P., 1994, Stream Channel Reference Sites: An Illustrated Guide to Field Technique, USDA, Forest Service, Rocky Mountain Forest & Range Experiment Station, Vol 1	Generic method-specific equipment	
MONT-DEQ	PESTICIDES	Active	Herbicides and Insecticides	American Public Health Association, 1992, Standard Methods for the Examination of Water		

Field/Lab Analytical Procedures and Equipment Detail

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
MONT-DEQ	RBP-FIELD	Active	Field RBP Procedures	Montana Department of Environmental Quality, 1995, Standard Operating Procedures Manual, MT DEQ, 1	Human Eye	
MONT-DEQ	SE-270.2OR270.3	Active	Selenium by AA - Furnace or Hydride 270.2 or 270.3	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	SEDIMENT	Active	Field Sediment Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
MONT-DEQ	STATION OBS	Active	Field Station Visit Physical Direct Measurements and Obs	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --		
MONT-DEQ	TDS-METER	Active	Total Dissolved Solids - meter reading - calculated from conductivity	Montana Department of Environmental Quality, 1995, Standard Operating Procedures Manual, MT DEQ, 1		
MONT-DEQ	TDS-SUM	Active	TDS-SUM	Montana Department of Environmental Quality, 1995, Standard Operating Procedures Manual, MT DEQ, 1		
	Description		TDS-SUM			
MONT-DEQ	TEMP-001	Active	Field Determination of Water Temperature, Probe	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
MONT-DEQ	UNKNOWN	Active	Unknown Method or	Montana Department of Environmental Quality,		

Field/Lab Analytical Procedures and Equipment Detail

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MONT-DEQ		Montana Department of Environmental Quality				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Procedure	1995, Standard Operating Procedures Manual, MT DEQ, 1		
	Description	The method used to obtain this result was either unknown or unavailable at the ime of processing.				
MONT-DEQ	V-286.2OR20 0.7	Active	Vanadium by AA - Furnace 286.2 or 200.7 ICP	Montana Power Company, Environmental Engineering Department, Colstrip Project Division, 1997, Water Resources Monitoring Plan, Colstrip Project Division, Environmental Engineering Department, Colstrip Project Division, Montana Power Company, Rev 3, June 25 1997		
MONT-DEQ	WEATHER-001	Active	Field Station Visit Weather Observations	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --		
USEPA	110.1	Active	Color by Calculating ADMI Values	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	150.2_M	Active	pH in Industrial Waste Materials	USEPA, 19--, CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	pH meter	
USEPA	16	Active	Sulfur Emissions from Stationary Sources	USEPA, 19--, 40 CFR part 60, Appendix A, USEPA, 40CFR60_A	GC with Flame Photometric Detector	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	

Field/Lab Analytical Procedures and Equipment Detail

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	202.2	Active	Aluminum by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet	

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.5	Active	Hexavalent Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.2	Active	Iron by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.2	Active	Manganese by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	270.3	Active	Selenium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	286.2	Active	Vanadium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.2	Active	Zinc by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	305.1	Active	Acidity by Titration with a pH Meter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

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MONT-DEQ		Montana Department of Environmental Quality				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	310.1_M	Active	Alkalinity in Water by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	pH meter	
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After	USEPA, 1983, Methods for Chemical Analysis of	AutoAnalyzer	

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Block Digestion	Water and Wastes, USEPA, EPA 600/4-79-020		
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	376.2	Active	Sulfide by Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.1	Active	Mid-Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	505	Active	Organohalide Pesticides and PCB in Water	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	508	Active	Chlorinated Pesticides in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	524.2	Active	Purgeable Organics in	USEPA, 1992, Methods for the Determination of	Capillary Gas	

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MONT-DEQ Montana Department of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water by CGC/MS	Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Chromatograph with Mass Spectrophotometer	
USEPA	525.1	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	531.1	Active	N-Methylcarbamates in Water by HPLC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	High Performance Liquid Chromatograph with Fluorescence Detector	
USEPA	552.1	Active	Haloacetic Acids in Water by GC	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary GC Electron Capture Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotometer	

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MONT-PPL		PPL Corporation (Montana)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
HACH	8195	Active	Determination of Turbidity	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136		
MONT-PPL	4500-N-D	Active	Nitrogen Persulfate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
MONT-PPL	FLOW-STAFFGAGE	Active	Flow Determined by Staff Gage	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Flow Determined by Staff Gage				
MONT-PPL	HARD-CALC	Active	Hardness Calcation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MONT-PPL	HYDROLAB	Active	Field Measurements Using the Hydrolab Datasonde 4	Hydrolab Corporation, 1998, Datasonde 4 and Minisonde Water Quality Multiprobes Users Manual, Hydrolab, Revision E, April	Hydrolab Multi Probe Handheld Instrument	

Field/Lab Analytical Procedures and Equipment Detail

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MONT-PPL		PPL Corporation (Montana)					Comparable National Procedure ID
Procedure Source		Procedure ID	Status	Procedure Name	Citation	Equipment	
	Description	This procedure provides guidelines for the use of the Hydrolab Datasonde 4 multiprobe meter for measuring the following parameters in surface water samples: temperature, dissolved oxygen, percent oxygen saturation, specific conductance, pH, total dissolved solids, turbidity, and total dissolved gases.					
MONT-PPL		PERIPHYT ONCOUNT	Active	Periphyton Analysis	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Diatom algae: A permanent strewn mount is prepared that is suitable for a diatom proportional count and containing a representative sub-sample of the diatoms present in the original sample. The contractor will identify and enumerate 800 diatom valves (400 cells) on each diatom slide (at a minimum of 900X) to the lowest practivel taxonomic unit. Non-diatom algae: Quantitative method or qualitative method may be used. Quantitative method follows phytoplankton counting methods outlined in Park 10200 F (APHA). For the qualitative method, the wet mount is scanned under a compund microscope at 200X. Soft-bodied algae are identified to genus. After all the common soft-bodied algae are identified, each genus is ranked according to its estimated contribution to the total algal biomass at the site, taking into account the remaining macroalgae and microalgae in the original sample. The genus with the most biomass is ranked 1, the next most biomass is ranked 2, and so on. Diatom are included, but they are ranked as a group. Genera of soft-bodied algae and diatoms as a group are also rated as to the relative abundance of their cells. Rare (1), occasional (2), common (3), frequent (4), abundant (5), and dominant (6).					
USEPA		150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA		160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA		180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA		200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA		200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA		300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA		350.1	Active	Ammonia Nitrogen by	USEPA, 1993, Methods for the Determination of	Colorimeter	

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MONT-PPL		PPL Corporation (Montana)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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MORONGO1

Morongo Band of Mission Indians (CA)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MORONGO1	QAPP	Active	Quality Assurance Project Plan	QAPP - Morongo Band of Mission Indians, 2008, Monongo Quality Assurance Project Plan for Field Proceedings, Morongo, 1		

Field/Lab Analytical Procedures and Equipment Detail

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MRSENVMB		Marine Research					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
MRSENVMB	BENTHBIO	Active	Benthic Infaunal Biology	MBCSD MRP 98 - Central Coast Regional Water Quality Control Board and EPA Region 9, 1998, MONITORING AND REPORTING PROGRAM NO. 98-15 FOR CITY OF MORRO BAY AND CAYUCOS SANITARY DISTRICT WASTEWATER TREATMENT PLANT SAN LUIS OBISPO COUNTY, Central Coast Regional Water Quality Control Board and EPA Region 9, 1 Document/Graphic			
Description		Enumeration of infauna from grab sample processed through a 1 mm sieve					
MRSENVMB	BENTHCHE M	Active	Chemical Analysis of Benthic Sediments	MBCSD MRP 98 - Central Coast Regional Water Quality Control Board and EPA Region 9, 1998, MONITORING AND REPORTING PROGRAM NO. 98-15 FOR CITY OF MORRO BAY AND CAYUCOS SANITARY DISTRICT WASTEWATER TREATMENT PLANT SAN LUIS OBISPO COUNTY, Central Coast Regional Water Quality Control Board and EPA Region 9, 1 Document/Graphic			
MRSENVMB	CTD-VERT	Active	CTD casts conducted in a vertical profiling mode	MBCSD MRP 98 - Central Coast Regional Water Quality Control Board and EPA Region 9, 1998, MONITORING AND REPORTING PROGRAM NO. 98-15 FOR CITY OF MORRO BAY AND CAYUCOS SANITARY DISTRICT WASTEWATER TREATMENT PLANT SAN LUIS OBISPO COUNTY, Central Coast Regional Water Quality Control Board and EPA Region 9, 1 Document/Graphic	Seabird CTD Profiler		
Description		CTD includes a transmissometer, DO, and pH probes. A Sea Bird Electronics SBE-19 Seacat CTD (Conductivity-Temperature-Depth) package was used to collect profiles of conductivity, salinity, temperature, light transmittance, dissolved oxygen, pH, density, and pressure at each station. A submersible pump on the CTD flushed water through the conductivity cell and oxygen sensor at a constant rate, independent of the CTD's motion through the water column.					
MRSENVMB	EFFCHEM	Active	SemiAnnual and Annual Effluent Chemistry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020			
Description		Chemical Assays of MBCSD effluent prior to discharge					

Field/Lab Analytical Procedures and Equipment Detail

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MRSENVMB

Marine Research

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MRSENVMB	EFFCOMP	Active	Effluent Composite Sample	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Daily effluent 24-hr flow-weighted composite sample collected in the chlorine contact chamber to assess wastewater properties prior to discharge						
MRSENVMB	EFFGRAB	Active	Effluent Grab Sample	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Daily effluent grab sample collected in the chlorine contact chamber to assess wastewater properties prior to discharge						
MRSENVMB	EFFMEAS	Active	Effluent Measurement	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Flow Rate Measurement Device	
Description Metered effluent flow						
MRSENVMB	MET	Active	Meteorological Conditions	MBCSD MRP 98 - Central Coast Regional Water Quality Control Board and EPA Region 9, 1998, MONITORING AND REPORTING PROGRAM NO. 98-15 FOR CITY OF MORRO BAY AND CAYUCOS SANITARY DISTRICT WASTEWATER TREATMENT PLANT SAN LUIS OBISPO COUNTY, Central Coast Regional Water Quality Control Board and EPA Region 9, 1 Document/Graphic	Thermometer	
Description Wind speeds and air temperatures were measured with a hand-held Kestrel® 2000 Thermo-Anemometer. Average and Maximum wind speed were determined over a period of 1 minute, 2 m above sea surface. Wind direction in degrees magnetic (with 15 degree declination) for the direction the wind arrives from. Cloud cover is a visual estimate of the percent of the sky covered by clouds or fog from the horizon						
MRSENVMB	OCEAN	Active	Sea Conditions	MBCSD MRP 98 - Central Coast Regional Water Quality Control Board and EPA Region 9, 1998, MONITORING AND REPORTING PROGRAM NO. 98-15 FOR CITY OF MORRO BAY AND CAYUCOS SANITARY DISTRICT WASTEWATER TREATMENT PLANT SAN LUIS OBISPO COUNTY, Central Coast Regional	Human Eye	

Field/Lab Analytical Procedures and Equipment Detail

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MRSENVMB

Marine Research

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water Quality Control Board and EPA Region 9, 1 Document/Graphic		
Description Visual estimate of swell height and direction (measured in degrees magnetic with 15 degree declination for the direction the waves arrive from)						
MRSENVMB	SAEFFCOM P	Active	Chemical Analysis of SemiAnnual and Annual Effluent Composite Samples	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MRSENVMB	SAEFFGRA B	Active	Chemical Analysis of SemiAnnual and Annual Effluent Grab Samples	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Chemical Assays of MBCSD effluent grab samle prior to discharge						
MRSENVMB	SAEFFTRA V	Active	Chemical Analysis of SemiAnnual and Annual Effluent Travel Blank Samples	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Chemical Assays of blank samle conducted in conjunction with effluent sampling						
MRSENVMB	SECCHI	Active	Secchi depth in meters	MBCSD MRP 98 - Central Coast Regional Water Quality Control Board and EPA Region 9, 1998, MONITORING AND REPORTING PROGRAM NO. 98-15 FOR CITY OF MORRO BAY AND CAYUCOS SANITARY DISTRICT WASTEWATER TREATMENT PLANT SAN LUIS OBISPO COUNTY, Central Coast Regional Water Quality Control Board and EPA Region 9, 1 Document/Graphic	Secchi Disk with Calibrated Tether	
MRSENVMB	SURFZONE	Active	Shoreline water samples collected for coliform analysis	MBCSD MRP 98 - Central Coast Regional Water Quality Control Board and EPA Region 9, 1998, MONITORING AND REPORTING PROGRAM NO. 98-15 FOR CITY OF MORRO BAY AND CAYUCOS SANITARY DISTRICT WASTEWATER TREATMENT PLANT SAN LUIS OBISPO COUNTY, Central Coast Regional Water Quality Control Board and EPA Region 9, 1	Field/Laboratory Test Kit	

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MRSENVMB

Marine Research

**Procedure
Source**

**Procedure
ID**

Status

**Procedure
Name**

Citation

Equipment

**Comparable
National
Procedure ID**

Document/Graphic

Description Shoreline water samples collected for coliform analysis

Field/Lab Analytical Procedures and Equipment Detail

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MTOLIVET

Region 8 Superfund: Mount Olivet Cemetery Plume

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MTOLIVET	OLM04	Active	OLM04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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MTVOLWQM Montana Volunteer Water Quality Monitoring						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MTVOLWQM	BOD	Active	Biological Oxygen Demand	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Sample is held in a 60mL or 300mL BOD bottle for 5 days in a warm, dark location. DO results are measured using HACH_FIELD or LAMOTTE_FIELD methods. The difference between final DO and initial DO is reported as BOD in mg/L. This is a modification of the Standard Methods BOD test 5210.				
MTVOLWQM	COLISCAN	Active	E coli and Total Coliform using Coliscan	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Procedures using Coliscan Easygel from Micrology Laboratories. E coli are purple colonies and coliforms are pink. Results are #/100ml.				
MTVOLWQM	FLOW_ESTIMATED	Active	Estimation of flow by timed float and average cross-section	Montana Watercourse, 2004, Handbook for Volunteer Water Monitoring in Montana, Montana Watercourse, Vol --		
	Description	The cross sectional area of the stream is calculated in 2 places and averaged. The velocity is determined by the average amount of time it takes a floating object (e.g. orange, stick or tennis ball) to travel a determined distance. A correction factor of 0.8 for rocky streams and 0.9 for muddy bottom streams is used. Area times correction factor times distance divided by time estimates flow.				
MTVOLWQM	FLOW_METER	Active	Flow obtained from a field meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MTVOLWQM	FLOW_STAFFGAGE	Active	Flow, Determination from Staff Gage	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MTVOLWQM	HACH_FIELD	Active	Hach field kit using color change or titration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This method relies on commercially available Hach products for field environmental testing.				
MTVOLWQM	HARD_CALC	Active	Hardness Calculated from Mg and Ca laboratory determinations	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Hardness is Calculated from Mg and Ca laboratory determinations as per section 2340-B in the APHA method describing the calculation used.				
MTVOLWQM	LAMOTTE_FIELD	Active	LaMotte field kit using color change or titration.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	This method relies on commercially available LaMotte products for field environmental testing.				
MTVOLWQM	PERIPHYTONCOUNT	Active	Periphyton Analysis	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Diatom algae: A permanent strewn mount is prepared that is suitable for a diatom proportional count and containing a representative sub-sample of the				

Field/Lab Analytical Procedures and Equipment Detail

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MTVOLWQM		Montana Volunteer Water Quality Monitoring				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			diatoms present in the original sample. The contractor will identify and enumerate 800 diatom valves (400 cells) on each diatom slide (at a minimum of 900X) to the lowest practical taxonomic unit. Non-diatom algae: Quantitative method or qualitative method may be used. Quantitative method follows phytoplankton counting methods outlined in Park 10200 F (APHA). For the qualitative method, the wet mount is scanned under a compound microscope at 200X. Soft-bodied algae are identified to genus. After all the common soft-bodied algae are identified, each genus is ranked according to its estimated contribution to the total algal biomass at the site, taking into account the remaining macroalgae and microalgae in the original sample. The genus with the most biomass is ranked 1, the next most biomass is ranked 2, and so on. Diatom are included, but they are ranked as a group. Genera of soft-bodied algae and diatoms as a group are also rated as to the relative abundance of their cells. Rare (1), occasional (2), common (3), frequent (4), abundant (5), and dominant (6).			
MTVOLWQM	PH_POCKET	Active	pH determination using Hach Pocket Pal, Oakton or other individual pH handheld meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	The pH determination using pH pocket tester relies on commercially available products for field environmental testing. Typically Hach and Oakton testers.				
MTVOLWQM	PH_STRIP	Active	pH determination using pH test strips	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	The pH determination using pH test strips relies on commercially available products for environmental testing.				
MTVOLWQM	PROBE	Active	Probe or field meter.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Determination of field parameter taken using a handheld probe or field meter. Typically Horiba, Hach Senslon and YSI portable meters.				
MTVOLWQM	TDS_CALC	Active	TDS calculated from specific conductance measurement using a TDS constant default value	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	TDS calculated from specific conductance measurement using a TDS constant default value.				
MTVOLWQM	TDS_METER	Active	TDS determination using handheld probe.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Typically instrument records conductivity and reports TDS using a calculation factor.				
MTVOLWQM	TPN-4500-N_C	Active	Persulfate Nitrogen Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
	Description	Total Persulfate Nitrogen (TPN): Persulfate digestion followed Nitrate plus Nitrite determination by automated Cadmium reduction.				

Field/Lab Analytical Procedures and Equipment Detail

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MTVOLWQM

Montana Volunteer Water Quality Monitoring

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MTVOLWQM	TURBIDITY_METER	Active	Turbidity using field colorimeter or turbidimeter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		Turbidity measurement taken using a colorimeter such as Hach DR850 or a portable turbidimeter.				
MTVOLWQM	UNKNOWN	Active	Unknown Method or Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description		The method used to obtain this result was either unknown or unavailable at the time the data was processed.				

Field/Lab Analytical Procedures and Equipment Detail

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MTWTRSHD Montana Watershed Data						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130-B	Active	Nephelometric Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-CL(B)	Active	Residual Chlorine in Water by Titration- Iodometric Method I	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(F)	Active	Chloride in Water by Ion	American Public Health Association, 1992,	Ion	

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MTWTRSHD		Montana Watershed Data				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Chromatography	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Chromatograph	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-NOR(C)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SO4(B)	Active	Sulfate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-SO4(E)	Active	Sulfate by Turbidimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Turbidimeter	
APHA	5310-D	Active	Total Organic Carbon in	American Public Health Association, 1992,	Total Organic	

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MTWTRSHD		Montana Watershed Data				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Water- Wet-Oxidation Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Carbon - Infra- Red Detector	
ASTM	D1941	Active	Open Channel Flow Measurement by Flume	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Parshall Flume	
IDEXX	COLILERT- 18	Active	Colilert-18 Quanti-Tray; MPN - Multi Tube, Multi Well for E.coli	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MTWTRSHD	1050(A)	Active	Anion - Cation Balance	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
	Description	Unit conversion for calculating Anion - Cation balance is presented in this section of Standard methods. Sum of the anions, and sum of the cations are reported separately as miliequivalents per liter.				
MTWTRSHD	446.0	Active	Chlorophylls and Pheopigments in Phytoplankton by Spectrophotometry	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Brief Method Summary: Chlorophyll-containing phytoplankton in a measured volume of sample water are concentrated by filtration at low vacuum through a glass fiber filter. The pigments are extracted from the phytoplankton in 90% acetone with the aid of a mechanical tissue grinder and are allowed to steep 2-24 hours. The resulting slurry is centrifuged to clarify the solution, and the absorbance of the supernatant liquid is measured at 4 wavelengths to determine turbidity, and chlorophylls a, b, and c1 + c2. Pheopigment-correct chl a can be determined by using absorbance measurements from an acidified and non-acidified sample. Absorbance values are entered into a set of equations to that utilize the extinction coefficients of the pure pigments in 90% acetone to simultaneously calculate the concentrations of the pigments in a mixed solution.				
MTWTRSHD	CNEIL- CORE	Active	McNeil Core Sediment Sampler	Shepard, B.B., and P.J. Graham, 1983, Fish resource monitoring program for the upper Flathead Basin, Flathead Basin Steering Committee, All		
	Description	McNeil Core samples are collected in pool tail-outs by embedding the 6-inch diameter base of the McNeil core sampler to a depth of 4 inches into the streambed. Material is removed from the core until the jagged teeth at the base of the sampler are encountered. Samples are dried, sieved, weighed, and the percent of the total sample is determined.				
MTWTRSHD	FLOW- ESTIMATE	Active	Flow, Estimated	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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MTWTRSHD Montana Watershed Data						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	D					
MTWTRSHD	FLOW-METER	Active	Flow, Average Velocity times Cross Sectional Area	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Electromagnetic Current Meter	
MTWTRSHD	FLOW-SEAMETRICS	Active	Pipe Flow Measurement by Insertion Flow Sensor	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	A rapidly reversing magnetic field is produced in the lower housing, and as the fluid moves through this field a voltage is generated. This tiny voltage is measured and translated into a frequency signal that is proportional to flow rate. This square wave signal can be sent directly to a PLC or other control or can be converted using any of the SeaMetrics family of indicators and converters. Sea Metrics EX 101 Insertion Type Mag Meters (W/2 $\frac{1}{2}$ MPT Type Insertion).				
MTWTRSHD	FLOW-STAFF GAGE	Active	Flow, Determination from Staff Gage	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
MTWTRSHD	HARD-CALC	Active	Hardness Calculated from Mg and Ca laboratory determinations	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
	Description	Hardness is Calculated from Mg and Ca laboratory determinations as per section 2340-B in the APHA method describing the calculation used.				
MTWTRSHD	PAR-METER	Active	Surface/Subsurface PAR Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Paired surface/subsurface Photosynthetically Active Radiation (PAR) levels are measured at gradually increasing depths until less than 1% of the surface PAR is detected at depth. Meter used.				
MTWTRSHD	PEBBLE	Active	Pebble Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Pebble count field activity.				
MTWTRSHD	PERIPHYTONCOUNT	Active	Periphyton Analysis	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Diatom algae: A permanent strewn mount is prepared that is suitable for a diatom proportional count and containing a representative sub-sample of the diatoms present in the original sample. The contractor will identify and enumerate 800 diatom valves (400 cells) on each diatom slide (at a minimum of 900X) to the lowest practical taxonomic unit. Non-diatom algae: Quantitative method or qualitative method may be used. Quantitative method follows phytoplankton counting methods outlined in Park 10200 F (APHA). For the qualitative method, the wet mount is scanned under a compound microscope at 200X. Soft-bodied algae are identified to genus. After all the common soft-bodied algae are identified, each genus is ranked according to its estimated				

Field/Lab Analytical Procedures and Equipment Detail

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MTWTRSHD

Montana Watershed Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				contribution to the total algal biomass at the site, taking into account the remaining macroalgae and microalgae in the original sample. The genus with the most biomass is ranked 1, the next most biomass is ranked 2, and so on. Diatom are included, but they are ranked as a group. Genera of soft-bodied algae and diatoms as a group are also rated as to the relative abundance of their cells. Rare (1), occasional (2), common (3), frequent (4), abundant (5), and dominant (6).		
MTWTRSHD	SAL-CALC	Active	Salinity Calculation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MTWTRSHD	SAR-CALC	Active	Sodium Adsorption Ratio Calculation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		Sodium Adsorption Ratio calculated from analytical laboratory results as Sodium Adsorption Ratio [(Na)/(sq root of 1/2 Ca + Mg)]			
MTWTRSHD	TDS-CALC	Active	Total Dissolved Solids Calculation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MTWTRSHD	TEMPLOG GER	Active	Temperature Logger	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		Temperature Logger			
MTWTRSHD	TN-CALC	Active	Total Nitrogen, TN - SUM of TKN + NO3 + NO2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MTWTRSHD	TPN-4500-N_C	Active	Persulfate Nitrogen Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
	Description		Total Persulfate Nitrogen (TPN): Persulfate digestion followed Nitrate plus Nitrite determination by automated Cadmium reduction.			
MTWTRSHD	UNKNOWN	Active	Unknown Method or Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description		The method used to obtain this result was either unknown or unavailable at the ime of processing.			
MTWTRSHD	USEPA-446.0	Active	Chlorophylls and Pheopigments in Phytoplankton by Spectrophotometry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS		
	Description		Chlorophyll-containing phytoplankton in a measured volume of sample water are concentrated by filtration at low vacuum through a glass fiber filter. The pigments are extracted from the phytoplankton in 90% acetone with the aid of a mechanical tissue grinder and are allowed to steep 2-24 hours. The resulting slurry is centrifuged to clarify the solution, and the absorbance of the supernatant liquid is measured at 4 wavelengths to determine turbidity, and			

Field/Lab Analytical Procedures and Equipment Detail

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MTWTRSHD	Montana Watershed Data					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
	chlorophylls a, b, and c1 + c2. Pheopigment-correct chl a can be determined by using absorbance measurements from an acidified and non-acidified sample. Absorbance values are entered into a set of equations to that utilize the extinction coefficients of the pure pigments in 90% acetone to simultaneously calculate the concentrations of the pigments in a mixed solution.					
USDOI/USGS	B8020	Active	Productivity- Carbon-14 Light/Dark-Bottle Method for Phytoplankto	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Calculated	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	150.2	Active	pH by Continuous Monitoring	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	

Field/Lab Analytical Procedures and Equipment Detail

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MTWTRSHD	Montana Watershed Data					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry		Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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MTWTRSHD		Montana Watershed Data				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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MWRD Metro Waste Water Reclamation District (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
MWRD	USGS FLOW	Active	USGS Flow station records. Flow reports	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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MWRD Metro Waste Water Reclamation District (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotomet	

Field/Lab Analytical Procedures and Equipment Detail

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MWRD Metro Waste Water Reclamation District (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	320.1	Active	Bromide by Titration with Iodine	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

Field/Lab Analytical Procedures and Equipment Detail

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MWRD Metro Waste Water Reclamation District (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.1	Active	Sulfate by Colorimetry With Chloranilate	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	9131	Active	Total Coliform by Multiple Tube Fermentation	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Generic inspection-related equipment(eg color charts)	
USEPA	C-008-1	Active	Total Suspended Solids in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Laboratory Balance	
MWRD	UNKNOWN	Susp	unknown analytical procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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MWRDSTOR

Metropolitan Water Reclamation District of Greater Chicago

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	2580	Active	Oxidation-Reduction Potential of Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	3112-B	Active	Mercury in Water by CVAA	American Public Health Association, 1992,	Cold Vapor	

Field/Lab Analytical Procedures and Equipment Detail

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MWRDSTOR

Metropolitan Water Reclamation District of Greater Chicago

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Atomic Absorption Spectrophotometer	
APHA	3120	Active	Metals in Water by ICP	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
APHA	3500-CR(D)	Active	Total Hexavalent Chromium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-CL(D)	Active	Residual Chlorine in Water by Titration- Amperometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(C)	Active	Cyanide in Water after Distillation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	4500-CN(E)	Active	Cyanide in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-CN(G)	Active	Cyanides Amenable to Chlorination after Distillation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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MWRDSTOR Metropolitan Water Reclamation District of Greater Chicago						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	4500-CN(I)	Active	Weak Acid Dissociable Cyanide in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-C	Active	Total Dissolved Oxygen by Titration- Azide Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-SO4(F)	Active	Sulfate in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	5310-D	Active	Total Organic Carbon in Water- Wet-Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	

Field/Lab Analytical Procedures and Equipment Detail

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MWRDSTOR Metropolitan Water Reclamation District of Greater Chicago						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
NIOSH	2500	Active	Methyl Ethyl Ketone by GC/FID	National Institute for Occupational Safety and Health, 1994, NIOSH Manual of Analytical Methods, 4th Edition,, National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	420.1	Active	Total Recoverable Phenolics in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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NARS EPA National Aquatic Resource Survey Data						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
NARS	FTIS_LIPID	Active	Lipids in Fish	EERD-LIPID - Environmental Contaminant Characterization Branch, 2001, Standard Operating Procedures for Determination of Lipids in Fish, USEPA, ECCB 011.0 Rev 1.1		
Description Method used by EERD, NERL, USEPA to determine lipids in fish tissue.						
NARS	ORG_FTIS_GCII	Active	Organic Analysis of Fish by GC II, Analysis of Freeze-Dried Fish Tissue by LVI-GC	EERD-ORG_GC2 - Environmental Contaminant Characterization Branch, 2004, Standard Operating Procedures for Organic Analysis of Fish by GCII, Freeze-Dried Fish Tissue for LVI-CG, USEPA, ECCB 018.0 Rev 0.0		USEPA/508
Description Method used by EERD, NERL, USEPA to analyze for organic contaminants in fish tissue by Gas Chromatography. This method is a modification of USEPA method 508 Chlorinated Pesticides in Water by GC. This method is outlined in the SOP for Organic Analysis of Fish by GCII (ECCB 018.0 Rev 0.0), which is used following the extraction outlined in the SOP for Organic ASE Extraction Of Fish II (ECCB 017.0 Rev 0.0).						
NARS	UNKNOWN	Active	Unknown Field/Lab Analytical Procedure	UNKNOWN_CIT - Unknown Author, Unknown Year, Unknown Citation, Unknown Publishing Organization, Unknown Volume		
USDOI/USGS	I1250	Active	Color in Water by Visual Comparison	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Human Eye	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption	

Field/Lab Analytical Procedures and Equipment Detail

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NARS EPA National Aquatic Resource Survey Data						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.2	Active	Zinc by GFAA	USEPA, 1983, Methods for Chemical Analysis of	Graphite Furnace	

Field/Lab Analytical Procedures and Equipment Detail

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NARS

EPA National Aquatic Resource Survey Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	

Field/Lab Analytical Procedures and Equipment Detail

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NEIARCD		NEIARCD (Iowa)			Equipment	Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation		
NEIARCD	IMMUNOAS SAY	Active	UHL Immunoassay	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	1603	Active	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	USEPA, 2002, Method 1603: Escherichia coli (E. coli) in Water by Membrane Filtration Using Modified membrane-Thermotolerant Escherichia coli Agar (Modified mTEC) (September 2002), USEPA, EPA 821-R-02-023		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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NOOKSACK

Nooksack Indian Tribe

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D4409	Active	Open-Channel Flow by RECM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Rotating Element Current Meter	

Field/Lab Analytical Procedures and Equipment Detail

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NTEMPLE

Region 8 Superfund: West North Temple Plume

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
NTEMPLE	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
NTEMPLE	OLM04	Active	OLM04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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O-MTRIBE		Otoe Missouria Tribe of Oklahoma					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
O-MTRIBE	OM-ALK	Active	Otoe-Missouria Alkalinity Analytical Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	Otoe-Missouria Alkalinity Analytical Procedure					
O-MTRIBE	OM-FLOW	Active	Otoe-Missouria Flow Analytical Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	Otoe-Missouria Flow Analytical Procedure					
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter		
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer		
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer		
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer		
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer		
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer		
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter		

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OKCONCOM		Oklahoma Conservation Commission					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er		
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer		
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus		
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge		
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance		
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance		
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer		
APHA	4500-CL(C)	Active	Residual Chlorine in Water	American Public Health Association, 1992,	Titration		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			by Titration- Iodometric Method II	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Apparatus	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(C)	Active	Ammonia in Water by Titrimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(B)	Active	Nitrate in Water by Ultraviolet Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ultraviolet Spectrophotometer	
APHA	4500-NO3(D)	Active	Nitrate in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO3(E)	Active	Nitrate in Water- Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-O-G	Active	Total Dissolved Oxygen by	American Public Health Association, 1992,	Ion Selective	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Membrane Electrode Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Electrode	
APHA	4500-P-D	Active	Phosphorus in Water by Stannous Chloride Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500- SO4(E)	Active	Sulfate by Turbidimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Turbidimeter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9230-C	Active	Fecal Streptococcus and Enterococcus, Membrane Filter Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
IL/SWSD	300.7	Active	Na, NH4, Mg, K and Ca - IONCHR	Illinois State Water Survey, 19--, Methods for Acid Deposition, Illinois State Water Survey, EPA/600/4-86-024	Ion Chromatograph	
OKCONCOM	AG-UNK	Active	Lab's Analytical Method used for Silver analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	AL-UNK	Active	Lab's Analytical Method used for Aluminum analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
OKCONCOM	AS-UNK	Active	Lab's Analytical Method used for Arsenic analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	BA-UNK	Active	Lab's Analytical Method used for Barium analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	BE-UNK	Active	Lab's Analytical Method used for Beryllium analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	BT-AIRTEMP	Active	Blue Thumb Air Temperature Readings	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	In the Oklahoma Blue Thumb volunteer monitoring program, the designated bodies of surface water will be tested for temperature, dissolved oxygen, pH, nitrate-nitrogen, ammonia-nitrogen, orthophosphate-phosphorus, chloride, E. coli bacteria, and the Chlorpyrifos pesticide. All chemical parameters tested by volunteers will analyzed using Hach test kits. Always measure air temperature first. Measure both for 2 minutes.				
OKCONCOM	BT-CL	Active	Blue Thumb Ammonia-Nitrogen Test	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	In the Oklahoma Blue Thumb volunteer monitoring program, the designated bodies of surface water will be tested for temperature, dissolved oxygen, pH, nitrate-nitrogen, ammonia-nitrogen, orthophosphate-phosphorus, chloride, E. coli bacteria, and the Chlorpyrifos pesticide. All chemical parameters tested by volunteers will analyzed using Hach test kits. We sample from a mixed zone at the bottom of a riffle, either pool or run, collected from about 15 cm below the surface of the water. Chloride testing will be accomplished using Hach method # 8225 (kit # 1440-01).				
OKCONCOM	BT-DO	Active	Blue Thumb Dissolved Oxygen Test	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Dissolved oxygen will be measured according to standard method 4500-C-O. We sample from a mixed zone at the bottom of a riffle, either pool or run, collected from about 15 cm below the surface of the water.				
OKCONCOM	BT-NH3	Active	Blue Thumb Ammonia-Nitrogen Test	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	In the Oklahoma Blue Thumb volunteer monitoring program, the designated bodies of surface water will be tested for temperature, dissolved oxygen, pH, nitrate-nitrogen, ammonia-nitrogen, orthophosphate-phosphorus, chloride, E. coli bacteria, and the Chlorpyrifos pesticide. All chemical parameters tested by volunteers will analyzed using Hach test kits. We sample from a mixed zone at the bottom of a riffle, either pool or run, collected from about 15 cm below the surface of the water. Ammonia-nitrogen results will be compiled using a low range fresh water ammonia kit, Hach # 22669-00.				

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OKCONCOM		Oklahoma Conservation Commission				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
OKCONCOM	BT-NO3	Active	Blue Thumb Nitrate-Nitrogen Test	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Nitrate-nitrogen testing will be accomplished following standard method 4500-NO3(E). This test will be slightly modified by the use of a color comparison.				
OKCONCOM	BT-P	Active	Blue Thumb Orthophosphate-Phosphorus Test	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	In the Oklahoma Blue Thumb volunteer monitoring program, the designated bodies of surface water will be tested for temperature, dissolved oxygen, pH, nitrate-nitrogen, ammonia-nitrogen, orthophosphate-phosphorus, chloride, E. coli bacteria, and the Chlorpyrifos pesticide. All chemical parameters tested by volunteers will analyzed using Hach test kits. We sample from a mixed zone at the bottom of a riffle, either pool or run, collected from about 15 cm below the surface of the water. Testing for orthophosphate-phosphorus will be conducted according to standard method # 4500-P-E, but will be modified by using a color wheel (Hach kit # 2248-00).				
OKCONCOM	BT-PH	Active	Blue Thumb pH Test	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	pH will be measured using wide range (4-10) pH, Hach Catalog Number 1470-11.				
OKCONCOM	BT-SECCHI	Active	Blue Thumb Water Clarity/Secchi Depth Test	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	In the Oklahoma Blue Thumb volunteer monitoring program, the designated bodies of surface water will be tested for temperature, dissolved oxygen, pH, nitrate-nitrogen, ammonia-nitrogen, orthophosphate-phosphorus, chloride, E. coli bacteria, and the Chlorpyrifos pesticide. All chemical parameters tested by volunteers will analyzed using Hach test kits. We sample from a mixed zone at the bottom of a riffle, either pool or run, collected from about 15 cm below the surface of the water. Secchi depth will also be measured at each site.				
OKCONCOM	BT-WTEMP	Active	Blue Thumb Ammonia-Nitrogen Test	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	In the Oklahoma Blue Thumb volunteer monitoring program, the designated bodies of surface water will be tested for temperature, dissolved oxygen, pH, nitrate-nitrogen, ammonia-nitrogen, orthophosphate-phosphorus, chloride, E. coli bacteria, and the Chlorpyrifos pesticide. All chemical parameters tested by volunteers will analyzed using Hach test kits. Always measure air temperature first. Measure both for 2 minutes. Put bult 6" below the surface and read while still in water.				
OKCONCOM	CA-UNK	Active	Lab's Analytical Method used for Calcium analysis is	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			unknown			
OKCONCOM	CB-FISH	Active	Seine Fish Collection Procedure-Combined Processes	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description The collection of fish follows a modified version of the EPA Rapid Bioassessment Protocol V (EPA, 1989) supplemented by other documents. Specific techniques for, and relative advantages of seining and electrofishing vary considerably according to stream type and conductivity. The specifics are discussed in detail in Fisheries Techniques (edited by L.A. Nielsen and D.L. Johnson and published by the American Fisheries Society 1983). The collection of fish involves the use of two collection methods, seining and electroshocking. The combination of methods was selected in order to produce a representative fish collection. Variations of habitat, type of fish, and water chemistry dictate the use of different collection techniques. In general, each stream is sampled for a distance of 400 m. Seining is conducted before shocking. Seine height is dictated by water depth, and length is determined by width of the water being sampled. If possible, the seine should be 15-25% longer than the width of the waterbody being sampled and about 25% higher than the depth of the water. The seine is hauled with the current because fish tend to orient towards the current. Electrofishing involves the use of a backpack shocker that consists of a trailing stainless steel cable electrode and ring electrode mounted on the end of a fiberglass pole. The shocking team consists of at least two people. One carries and operates the shocker while the other(s) net stunned fish. The shocker is most useful where a seine cannot be used effectively in areas such as brush piles, rootwads, and cobble substrates. The forward electrode is gradually passed back and forth as the team walks downstream. As fish are stunned, they usually roll over and become more visible, allowing the netters to see and capture them. In waters of high conductivity (> 1000 µS/cm) electroshocking is ineffective, due to the highly conductive nature of the water. Under these conditions, only seining is conducted. In general, all fish are placed in 10% formalin immediately after capture. However, if larger fish (> 100 g) can be positively identified in the field, they are returned to the water in a location where recapture is unlikely. All large fish released are photographed on print film. A representative photograph is taken when large numbers of one fish species is collected and released. Collected organisms are identified to species by an experienced taxonomist.						
OKCONCOM	CD-UNK	Active	Lab's Analytical Method used for Cadmium analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	CO-UNK	Active	Lab's Analytical Method used for Cobalt analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	CR-UNK	Active	Lab's Analytical Method used for Chromium analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	CU-UNK	Active	Lab's Analytical Method used for Copper analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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OKCONCOM		Oklahoma Conservation Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
OKCONCOM	FE-UNK	Active	Lab's Analytical Method used for Iron analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	HG-UNK	Active	Lab's Analytical Method used for Mercury analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	K-UNK	Active	Lab's Analytical Method used for Potassium analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	MG-UNK	Active	Lab's Analytical Method used for Maganesium analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	MN-UNK	Active	Lab's Analytical Method used for Manganese analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	MO-UNK	Active	Lab's Analytical Method used for Molybdenum analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	NI-UNK	Active	Lab's Analytical Method used for Nickel analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	OCC-1	Active	EPA #1/SM 9221-F	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020		
	Description	EPA Ref #1 from EPA Methods for the Chemical Analysis of Water & Wastes (1979) and SM 9221-F from the Standard Methods for the Examination of Water & Waste Water (19th Edition)				
OKCONCOM	OCC-2	Active	EPA 9056/EPA 300.1	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020		
	Description	EPA 9056 and EPA 300.1 from EPA Methods for the Chemical Analysis of Water & Wastes (1979)				
OKCONCOM	OCC-3	Active	EPA 351.3/SM 4500-NOR(B)	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020		

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OKCONCOM		Oklahoma Conservation Commission					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	Description	EPA 351.3 from EPA Methods for the Chemical Analysis of Water & Wastes (1979) and SM 4500-NOR(B) from Standard Methods for the Examination of Water & Waste Water (19th Edition)					
OKCONCOM	OCC-4	Active	EPA 160.1/SM 2540-C	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020			
	Description	EPA 160.1 from EPA Methods for the Chemical Analysis of Water & Wastes (1979) and SM 2540-C from Standard Methods for the Examination of Water & Waste Water					
OKCONCOM	OCC-5	Active	EPA 160.2/SM 2540-C	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020			
	Description	EPA 160.2 from EPA Methods for the Chemical Analysis of Water & Wastes (1979) and SM 2540-C from Standard Methods for the Examination of Water & Waste Water (19th Edition)					
OKCONCOM	OCC-6	Active	EPA 160.1/SM 2540-D	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020			
	Description	EPA 160.1 from EPA Methods for the Chemical Analysis of Water & Wastes (1979) and SM 2540-D from Standard Methods for the Examination of Water & Waste Water (19th Edition)					
OKCONCOM	OCC-7	Active	EPA 160.2/SM 2540-D	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020			
	Description	EPA 160.2 from EPA Methods for the Chemical Analysis of Water & Wastes (1979) and SM 2540-D from Standard Methods for the Examination of Water & Waste Water (19th Edition)					
OKCONCOM	OCC-EST	Active	Estimated Discharge	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	Description	Oklahoma Conservation Commission, Water Quality Division, Standard Operating Procedure: Estimated discharge is a best, non-measured estimate of flow by field personnel.					
OKCONCOM	OCC-METERED	Active	Metered Discharge	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
Description	Oklahoma Conservation Commission, Water Quality Division, Standard Operating Procedure: Refers to measuring water velocity using the Marsh-McBirney Model 2000 Flo-Mate.					
OKCONCOM	OCC-TIMED	Active	Timed Discharge	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	Oklahoma Conservation Commission, Water Quality Division, Standard Operating Procedure: Refers to measuring flow via a weir/flume, a timed measurement using a bucket, or semi-submergible object (SS OBJ).					
OKCONCOM	OCC-UNK	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	PB-UNK	Active	Lab's Analytical Method used for Lead analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	RIFFLE	Active	Benthic Kick Procedure for Riffle Habitats	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	A modified version of EPA Rapid Bioassessment Protocol (RBPs) was adopted for macroinvertebrate collections. Collection of Benthic Macroinvertebrates from Rocky Riffles: A riffle is defined as any sudden downward change in the level of the streambed such that the surface of the water becomes disrupted by small waves. For this collection method the substrate of the riffle must be composed of gravel, or cobble from 1" to 12" in the longest dimension. Riffles with substrates of bedrock or tight clay are not suitable. Three 1-m2 areas of the riffle must be sampled. They can be square, rectangular or trapezoidal so long as each area equals 1 m2 in area. One should be in the fastest part of the riffle where the largest rocks and the smallest amount of interstitial sediment will generally be found. The second should be in the slowest part of the riffle, often near the edge of the stream where the smallest rocks and the greatest amount of interstitial sediment will be found. The third sample should be in an area intermediate between the first two. Method of Collecting the Sample - Support a 1-m2 kick net composed of a double layer of fiberglass window screen or a net of number 30 mesh in such a way that the current will carry any organisms dislodged from the substrate into it. The bottom of the net should be tight against the bottom of the stream and the current must be sufficient to insure that dense organisms such as small mollusks will be carried into the net from the sampling area. There is no definite cutoff for stream velocity in the sampling area, but if possible, riffles with average velocities of 1 foot/second or greater are preferred and should be chosen if possible. By kicking the substrate, vigorously agitate the substrate of a 1-m2 area of the bed of the riffle immediately upstream of the riffle until all rocks and sediment to a depth of at least five inches have been thoroughly scraped against each other. Organisms living between and upon the rocks will have been dislodged and carried into the net by the current. Any rocks too large to kick should be brushed by hand on all surfaces. This can be done using your hands or with the aid of a brush. If a brush is used, you must be very careful to clean it after each site to prevent contamination of the next sample with invertebrates from the previous site. Continue agitation and brushing until it can be seen that the area being sampled is producing no new detritus, organisms, or fine sediment. At this point, rinse leaves, sticks and other large debris caught in the net in the current in a manner such that organisms on them are carried into the net. When the volume of the sample is reduced so that three 1 m2 samples will loosely fill a 1 quart mason jar three fourths (3/4) full or less, remove all of the material from the net and place it in the mason jar. In no case should the Mason jar be filled more than 3/4 full of loose sample. Add 100% ethanol to the jar until the sample is covered and there is free ethanol on top of the sample. There should always be enough room in the jar to have at least 5 cm (2 inches) of free ethanol over the sample. Label the sample appropriately following the instructions					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
presented in section 1.11 Sample Handling & Preservation.						
OKCONCOM	SB-UNK	Active	Lab's Analytical Method used for Antimony analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	SE-FISH	Active	Seine Fish Collection Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description Seining is conducted before shocking since fish that utilize cover in the stream will generally not leave the area when disturbed. These fish are most efficiently collected by shocking and should remain when electroshocking commences. Seining is performed with nets of various sizes with ¼" mesh. Seine height is dictated by water depth, and length is determined by width of the water being sampled. If possible, the seine should be 15-25% longer than the width of the waterbody being sampled and about 25% higher than the depth of the water. The amount of obstructions in the stream will often preclude the use of longer seines however. When this situation occurs, the crew leader will decide on the most effective combination of seines. OCC utilizes 4 and 6 foot seines in 10, 20, and 30-foot lengths. This will allow the center of the net to form a bag behind the operators where the fish are more likely to stay in the net. The seine is hauled with the current because fish tend to orient towards the current. In general, all fish are placed in 10% formalin immediately after capture. However, if larger fish (> 100 g) can be positively identified in the field, they are returned to the water in a location where recapture is unlikely. All large fish released are photographed on print film. A representative photograph is taken when large numbers of one fish species is collected and released. Collected organisms are identified to species by an experienced taxonomist.					
OKCONCOM	SE-UNK	Active	Lab's Analytical Method used for Selenium analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	SH-FISH	Active	Electroshocking Fish Collection Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description Electrofishing involves the use of a backpack shocker that consists of a trailing stainless steel cable electrode and ring electrode mounted on the end of a fiberglass pole. The shocking team consists of at least two people. One carries and operates the shocker while the other(s) net stunned fish. The shocker is most useful where a seine cannot be used effectively in areas such as brush piles, rootwads, and cobble substrates. The forward electrode is gradually passed back and forth as the team walks downstream. As fish are stunned, they usually roll over and become more visible, allowing the netters to see and capture them. In waters of high conductivity (> 1000 ?S/cm) electroshocking is ineffective, due to the highly conductive nature of the water. Under these conditions, only seining is conducted. In general, all fish are placed in 10% formalin immediately after capture. However, if larger fish (> 100 g) can be positively identified in the field, they are returned to the water in a location where recapture is unlikely. All large fish released are photographed on print film. A representative photograph is taken when large numbers of one fish species is collected and released. Collected organisms are identified to species by an experienced taxonomist. NOTE: When necessary a Boat-Mounted shocker is used.					
OKCONCOM	STR VEG	Active	Procedure for Streamside Vegetation Habitats	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
OKCONCOM	TL-UNK	Active	Labs' Analytical Method used for Thallium analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	WOODY	Active	Benthic Kick Procedure for Woody Debris Habitats	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	ZN-UNK	Active	Labs' Analytical Method used for Zinc analysis is unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	00-01	Active	Gross Alpha and Beta Activity in Water	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	

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OKCONCOM	Oklahoma Conservation Commission					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.2(A)	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotomet er	

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OKCONCOM		Oklahoma Conservation Commission				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	9056	Active	Anion Chromatography Method	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Ion Chromatograph	

Field/Lab Analytical Procedures and Equipment Detail

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OKCORCOM

Oklahoma Corporation Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
OKCORCOM	CC-001	Active	OKCORCOM Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description For more information on procedure used, contact the Oklahoma Corporation Commission.						

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OKDAFF Oklahoma Dept. of Agriculture, Food and Forestry						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
OKDAFF	120.1	Active	(Lab) Conductivity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		USEPA/120.1
	Description	Specific Conductance				
OKDAFF	150.1	Active	(Lab) pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		USEPA/150.1
	Description	pH				
OKDAFF	350.1	Active	Ammonia Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		USEPA/350.1
	Description	Ammonia Nitrogen by semi-automated colorimetry				
OKDAFF	365.1	Active	Phosphorus	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		USEPA/365.1
	Description	Phosphorus by semi-automated colorimetry				
OKDAFF	9056	Active	Nitrate Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		USEPA/9056
	Description	Inorganic Ions by ion chromatography				
OKDAFF	9222D	Active	Fecal Coliform	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		APHA/9222-D
	Description	Fecal Coliform by membrane filtration				

Field/Lab Analytical Procedures and Equipment Detail

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OKDEQ Oklahoma Dept. of Environmental Quality						Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
OKDEQ	10600D	Active	Population Structure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
	Description	Analysis for Biological Collections				
OKDEQ	120.1	Active	Conductance (Specific Conductance)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
	Description	Specific Conductance				
OKDEQ	130.1	Active	Hardness, Total (Colorimetric, Automated EDTA)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
	Description	Total Hardness by automated colorimetry				
OKDEQ	150.1	Active	pH (Electrometric)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
	Description	pH Electrometrically in Waters and Wastes				
OKDEQ	160.1	Active	Filterable Residue (Gravimetric, Dried At 180°C)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
	Description	Total Dissolved Solids				
OKDEQ	160.2	Active	Non-filterable Residue (Gravimetric, Dried At 103-105°C)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
	Description	Total Suspended Solids				
OKDEQ	1600	Active	Enterococcus in Water	USEPA, 1997, Method 1600: Membrane Filter test Method for Enterococci in Water., USEPA, EPA 821/R-97-004		
	Description	Enterococcus in Water, Membrane Filter Procedure				
OKDEQ	200.7	Active	Drinking Water Metals by ICP	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111		

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OKDEQ		Oklahoma Dept. of Environmental Quality					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	Description	Trace Elements in Water and Wastes by Inductively Coupled Plasma					
OKDEQ	200.8	Active	Drinking Water Metals by ICP-MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111			
	Description	Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry					
OKDEQ	215.2	Active	Calcium (Titrimetric, EDTA)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020			
	Description	Calcium by Titrimetry (Calcium Hardness as CaCO3)					
OKDEQ	245.1	Active	Mercury in Water by the Manual Cold Vapor Atomic Absorption	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111			
	Description	Total Mercury in Water					
OKDEQ	245.6	Active	Mercury in Tissues by Cold Vapor (CV/AAS)	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010			
	Description	Total Mercury in Fish Tissue					
OKDEQ	2550B	Active	Water Temperatur	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition			
	Description	Field Measurement of Water Temperature					
OKDEQ	300	Active	Inorganic Anions In Drinking Water By Ion Chromatography; Common Anions	USEPA, 2000, Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, vol 1., USEPA, 815/R-00-014			
	Description	Inorganic Anions					
OKDEQ	300.1 A	Active	Determination of Inorganic Anions in Drinking Water by Ion Chromatography	USEPA, 2000, Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, vol 1., USEPA, 815/R-00-014			
	Description	Inorganic Anions					

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OKDEQ Oklahoma Dept. of Environmental Quality						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
OKDEQ	310.1	Active	Alkalinity (Titrimetric, pH 4.5)	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
	Description	Total Alkalinity by Titration				
OKDEQ	310.2	Active	Total Alkalinity by FIA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
	Description	Alkalinity (Colorimetric, Automated, Methyl Orange)				
OKDEQ	325.2	Active	Chloride (Colorimetric, Automated Ferricyanide AAll)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
	Description	Chloride (Colorimetric, Automated Ferricyanide AAll)				
OKDEQ	353.2	Active	Nitrogen, Nitrate-Nitrite (Colorimetric, Automated, Cadmium Reduction)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
	Description	NITRATE(NO3)-NITRITE(NO2)				
OKDEQ	360.1	Active	Oxygen, Dissolved (Membrane Electrode)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
	Description	Dissolved Oxygen				
OKDEQ	375.4	Active	Sulfate (Turbidimetric)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
	Description	SULFATES				
OKDEQ	515.3	Active	HERBICIDES	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Chlorinated Acids in Drinking Water by Liquid-Liquid Extraction, Derivatization, and Gas Chromatography With Electron Capture Detector				
OKDEQ	6010	Active	Metals	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Inductively Coupled Plasma-Atomic Emission Spectrometry				
OKDEQ	608	Active	Organochlorine Pesticides and PCBs	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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OKDEQ Oklahoma Dept. of Environmental Quality					
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Comparable National Procedure ID
	Description	Organochlorine Pesticides and PCBs via GC with Electron Capture Detector (ECD)			
OKDEQ	614	Active	Pesticide	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
	Description	Organophosphorous Pesticides in Municipal and Industrial Wastewater			
OKDEQ	8081	Active	PCB/PESTICIDES IN SEDIMENT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
	Description	Organochlorine Pesticides by Gas Chromatography			
OKDEQ	8082	Active	PCBS IN SEDIMENT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
	Description	Polychlorinated Biphenyls [PCBs] by Gas Chromatography			
OKDEQ	8141	Active	Pesticides in Sediment	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
	Description	Organophosphorous Compounds by Gas Chromatography: Capillary Column Technique			
OKDEQ	8151	Active	PCBS IN SEDIMENT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
	Description	Polychlorinated Biphenyls [PCBs] by Gas Chromatography			
OKDEQ	9222D	Active	Fecal Coliform Density	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
	Description	Fecal Coliform, Membrane Filter Procedure			
OKDEQ	9223B	Active	E. coli-Total Coliform, Most Probable Number	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	
	Description	Total Coliform and E. coli, Chromogenic Substrate Coliform Test			
OKDEQ	D-6503	Active	Enterococci, Most Probable Number	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
	Description	Enterococci in Water Using Enterolert ₂			

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OKWRB

Oklahoma Water Resources Board

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
OKWRB	OKWRB-001	Active	OKWRB Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description For more information on procedure used, contact the Oklahoma Water Resources Board.						

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ONEIDA		ONEIDA TRIBE OF WISCONSIN (Wisconsin)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
AOAC	973.48	Active	Total Nitrogen in Water	Association of Official Analytical Chemists, 1990, Official Methods of Analysis of the Association of Official Analytical Chemists, Association of Official Analytical Chemists, 15th edition	Nessler Tube	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7_M	Active	ICP-AES For Trace Element Analysis	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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ONEIDA

ONEIDA TRIBE OF WISCONSIN (Wisconsin)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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OSAGENTN		Osage Nation				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
OSAGENTN	ON_SCP	Active	OSAGE Nation Field/Lab Procedure	OSAGE_QAPP - Dana Washbourne, 2002 rev 4/14/2005, Quality Assurance Project Plan For Water Pollution Control Surface Water Quality On The Osage Reservation, Osage Nation, 41		
OSAGENTN	YSI 6820	Active	YSI Multi-Parameter 6820 Sonde	OSAGE_QAPP - Dana Washbourne, 2002 rev 4/14/2005, Quality Assurance Project Plan For Water Pollution Control Surface Water Quality On The Osage Reservation, Osage Nation, 41		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.2	Active	Phosphorus by Single	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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OSAGENTN

Osage Nation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Reagent Colorimetry	Water and Wastes, USEPA, EPA 600/4-79-020	er	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	

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PATCMON Potomac Appalachian Trail Club Volunteer Monitoring - VA,MD						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PATCMON	FIELD01	Active	Test Strip Deployment	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Immerse test strip in water and remove immediately, holding it level to retain water on the sensitized patches. Allow to stand for 30 seconds, and obtain numerical results by comparison with color chart provided. Measures pH, Total Alkalinity, Total Hardness, Nitrite NO2, and Nitrate NO3.						
PATCMON	MATH_COU NT	Active	Counted or Computed values	PATC-001 - J. Reese Voshell, Jr., 2002, A Guide to Common Freshwater Macroinvertebrates of North America, Thw McDonald and Woodward Publishing company, Blacksburg, VA, Complete Book		
Description Values are determined through counting or mathematical manipulation of other results.						
PATCMON	PROBE METHOD	Active	Field deployment of automated probe.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Hydrolab Multi Probe Handheld Instrument	

Field/Lab Analytical Procedures and Equipment Detail

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PIIC Prairie Island Community (MN)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PIIC	FLOW-07QAPP	Active	Flow Quality Assurance Project Plan (QAPP) 2007	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PIIC	PH-07QAPP	Active	pH Quality Assurance Project Plan (QAPP) 2007	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PIIC	TURB-07QAPP	Active	Turbidity Quality Assurance Project Plan (QAPP) 2007	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USDOI/USGS	B0051	Active	Fecal Coliform Bacteria-Presumptive Test- MPN Method	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples, Book 5, Chapter A4., USDOI, USGS, Book 5, Chapter A4	Optical Microscope	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	

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PNDECS Pawnee Nation Dept of Environmental Conservation and Safety						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D3858	Active	Open-Channel Flow Measurement by Area	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	No equipment	
HACH	8038	Active	Ammonia Nitrogen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8074(A)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Hydrophobic Grid Membrane Filter Apparatus	
HACH	8225	Active	Chloride by Titration	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1603	Active	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	USEPA, 2002, Method 1603: Escherichia coli (E. coli) in Water by Membrane Filtration Using Modified membrane-Thermotolerant Escherichia coli Agar (Modified mTEC) (September 2002), USEPA, EPA 821-R-02-023		
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

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PNDECS

Pawnee Nation Dept of Environmental Conservation and Safety

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	9050	Active	Specific Conductance	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Conductivity Bridge	

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POMO989

Elem Indian Colony Environmental (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
POMO989	QAPP	Active	Quality Assurance Procedures Policy	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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PR-BEACH

Puerto Rico Environmental Quality Board Beach

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PREQB-SW	EPA 160.5	Active	EPA 160.5 SOLIDS SETTLEABLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 1623	Active	EPA 1623- PROTOZOA PARASITES DETERMINATION CRYPTOSPORIDIUM, GIARDIA LAMBIA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 208.1	Active	EPA 208.1 BARIUM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 243.1	Active	EPA 243.1 MANGANESE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 243.2	Active	EPA 243.2 CADMIUM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 365.2	Active	EPA 365.2 ORTHOPHOSPHATE AS PO4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 365.4	Active	EPA 365.4 TOTAL PHOSPHOROUS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-035	Active	PREQB SOP -035 EPA 413.1 OIL AND GREASE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB 028	Active	PREQB 028 EPA 160.2 TOTAL SOLIDS SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SM 10200H	Active	PREQB SM 10200H CHLOROPHILL "A"	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.1	Active	PREQB SOP 021.1 - TEMPERATURE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.2	Active	PREQB SOP 021.2 - pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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PR-BEACH

Puerto Rico Environmental Quality Board Beach

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PREQB-SW	PREQB SOP 021.3	Active	PREQB SOP 021.3 Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.4	Active	PREQB SOP 021.4-DISSOLVED OXYGEN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 022	Active	PREQB SOP 022, SM, 18 Ed. 9222D Microbiological Determination, Fecal Coliform, Total Coliform, Enterococcus	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 024	Active	EPA 353.2 NITRATE-N, NITRITE-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 025	Active	PREQB SOP 025 EPA - 350.1 AMMONIA-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 027	Active	PREQB SOP 027 TURBIDITY SM 2130B	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
PREQB-SW	PREQB SOP 028	Active	PREQB SOP 028 EPA 160.1 TOTAL SOLIDS DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 034	Active	PREQB SOP 034 SM 1020H - CHLOROPHYLL A	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
PREQB-SW	PREQB SOP-021.3	Active	PREQB SOP-021.3 SALINITY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-024	Active	PREQB SOP-024 NO2 + NO3-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-033	Active	PREQB SOP-033 DISSOLVED OXYGEN SM METHOD 360.2 O.C. FOR	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public		

Field/Lab Analytical Procedures and Equipment Detail

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PR-BEACH		Puerto Rico Environmental Quality Board Beach				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			WINKLER	Health Association, 18th Edition		
PREQB-SW	PREQB-028	Active	PREQB-028 EPA 160.1 TOTAL SOLIDS SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB=SO P 28	Active	PREQB=SOP 28 EPA 160.3 TOTAL SOLIDS DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SECHI-DISK	Active	Sechi-disk	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SM 2130B PREQB	Active	SM 2130B PREQB SOP - 027 Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SM 4500-B.B	Active	SM 4500-B.B BORON	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of	Graphite Furnace	

Field/Lab Analytical Procedures and Equipment Detail

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PR-BEACH

Puerto Rico Environmental Quality Board Beach

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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PR-BEACH

Puerto Rico Environmental Quality Board Beach

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	365.4	Susp	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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PR-COAST		Puerto Rico Environmental Quality Board Coastal (Beach)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PREQB-SW	EPA 160.5	Active	EPA 160.5 SOLIDS SETTLEABLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 1623	Active	EPA 1623- PROTOZOA PARASITES DETERMINATION CRYPTOSPORIDIUM, GIARDIA LAMBIA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 208.1	Active	EPA 208.1 BARIUM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 243.1	Active	EPA 243.1 MANGANESE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 243.2	Active	EPA 243.2 CADMIUM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 365.2	Active	EPA 365.2 ORTHOPHOSPHATE AS PO4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 365.4	Active	EPA 365.4 TOTAL PHOSPHOROUS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-035	Active	PREQB SOP -035 EPA 413.1 OIL AND GREASE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB 028	Active	PREQB 028 EPA 160.2 TOTAL SOLIDS SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SM 10200H	Active	PREQB SM 10200H CHLOROPHILL "A"	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.1	Active	PREQB SOP 021.1 - TEMPERATURE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.2	Active	PREQB SOP 021.2 - pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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PR-COAST

Puerto Rico Environmental Quality Board Coastal (Beach)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PREQB-SW	PREQB SOP 021.3	Active	PREQB SOP 021.3 Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.4	Active	PREQB SOP 021.4-DISSOLVED OXYGEN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 022	Active	PREQB SOP 022, SM, 18 Ed. 9222D Microbiological Determination, Fecal Coliform, Total Coliform, Enterococcus	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 024	Active	EPA 353.2 NITRATE-N, NITRITE-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 025	Active	PREQB SOP 025 EPA - 350.1 AMMONIA-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 027	Active	PREQB SOP 027 TURBIDITY SM 2130B	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
PREQB-SW	PREQB SOP 028	Active	PREQB SOP 028 EPA 160.1 TOTAL SOLIDS DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 034	Active	PREQB SOP 034 SM 1020H - CHLOROPHYLL A	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
PREQB-SW	PREQB SOP-021.3	Active	PREQB SOP-021.3 SALINITY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-024	Active	PREQB SOP-024 NO2 + NO3-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-033	Active	PREQB SOP-033 DISSOLVED OXYGEN SM METHOD 360.2 O.C. FOR	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public		

Field/Lab Analytical Procedures and Equipment Detail

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PR-COAST		Puerto Rico Environmental Quality Board Coastal (Beach)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			WINKLER	Health Association, 18th Edition		
PREQB-SW	PREQB-028	Active	PREQB-028 EPA 160.1 TOTAL SOLIDS SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB=SO P 28	Active	PREQB=SOP 28 EPA 160.3 TOTAL SOLIDS DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SECHI-DISK	Active	Sechi-disk	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SM 2130B PREQB	Active	SM 2130B PREQB SOP - 027 Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SM 4500-B.B	Active	SM 4500-B.B BORON	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of	Graphite Furnace	

Field/Lab Analytical Procedures and Equipment Detail

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PR-COAST		Puerto Rico Environmental Quality Board Coastal (Beach)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				Water and Wastes, USEPA, EPA 600/4-79-020	Atomic Absorption Spectrophotomet er		
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er		
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotomet er		
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er		
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er		
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet er		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		

Field/Lab Analytical Procedures and Equipment Detail

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PR-COAST

Puerto Rico Environmental Quality Board Coastal (Beach)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	365.4	Susp	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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PR-LAKES

Puerto Rico Environmental Quality Board (Surface Water)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PREQB-SW	EPA 160.5	Active	EPA 160.5 SOLIDS SETTLEABLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 1623	Active	EPA 1623- PROTOZOA PARASITES DETERMINATION CRYPTOSPORIDIUM, GIARDIA LAMBIA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 208.1	Active	EPA 208.1 BARIUM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 243.1	Active	EPA 243.1 MANGANESE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 243.2	Active	EPA 243.2 CADMIUM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 365.2	Active	EPA 365.2 ORTHOPHOSPHATE AS PO4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 365.4	Active	EPA 365.4 TOTAL PHOSPHOROUS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-035	Active	PREQB SOP -035 EPA 413.1 OIL AND GREASE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB 028	Active	PREQB 028 EPA 160.2 TOTAL SOLIDS SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SM 10200H	Active	PREQB SM 10200H CHLOROPHILL "A"	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.1	Active	PREQB SOP 021.1 - TEMPERATURE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.2	Active	PREQB SOP 021.2 - pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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PR-LAKES

Puerto Rico Environmental Quality Board (Surface Water)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PREQB-SW	PREQB SOP 021.3	Active	PREQB SOP 021.3 Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.4	Active	PREQB SOP 021.4-DISSOLVED OXYGEN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 022	Active	PREQB SOP 022, SM, 18 Ed. 9222D Microbiological Determination, Fecal Coliform, Total Coliform, Enterococcus	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 024	Active	EPA 353.2 NITRATE-N, NITRITE-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 025	Active	PREQB SOP 025 EPA - 350.1 AMMONIA-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 027	Active	PREQB SOP 027 TURBIDITY SM 2130B	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
PREQB-SW	PREQB SOP 028	Active	PREQB SOP 028 EPA 160.1 TOTAL SOLIDS DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 034	Active	PREQB SOP 034 SM 1020H - CHLOROPHYLL A	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
PREQB-SW	PREQB SOP-021.3	Active	PREQB SOP-021.3 SALINITY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-024	Active	PREQB SOP-024 NO2 + NO3-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-033	Active	PREQB SOP-033 DISSOLVED OXYGEN SM METHOD 360.2 O.C. FOR	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public		

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PR-LAKES

Puerto Rico Environmental Quality Board (Surface Water)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			WINKLER	Health Association, 18th Edition		
PREQB-SW	PREQB-028	Active	PREQB-028 EPA 160.1 TOTAL SOLIDS SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB=SO P 28	Active	PREQB=SOP 28 EPA 160.3 TOTAL SOLIDS DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SECHI-DISK	Active	Secchi-disk	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SM 2130B PREQB	Active	SM 2130B PREQB SOP - 027 Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SM 4500-B.B	Active	SM 4500-B.B BORON	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of	Graphite Furnace	

Field/Lab Analytical Procedures and Equipment Detail

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PR-LAKES

Puerto Rico Environmental Quality Board (Surface Water)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020	Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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PR-LAKES

Puerto Rico Environmental Quality Board (Surface Water)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	365.4	Susp	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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PR-RIVER		Puerto Rico Environmental Quality Board (Rivers)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PREQB-SW	EPA 160.5	Active	EPA 160.5 SOLIDS SETTLEABLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 1623	Active	EPA 1623- PROTOZOA PARASITES DETERMINATION CRYPTOSPORIDIUM, GIARDIA LAMBIA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 208.1	Active	EPA 208.1 BARIUM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 243.1	Active	EPA 243.1 MANGANESE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 243.2	Active	EPA 243.2 CADMIUM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 365.2	Active	EPA 365.2 ORTHOPHOSPHATE AS PO4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	EPA 365.4	Active	EPA 365.4 TOTAL PHOSPHOROUS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-035	Active	PREQB SOP -035 EPA 413.1 OIL AND GREASE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB 028	Active	PREQB 028 EPA 160.2 TOTAL SOLIDS SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SM 10200H	Active	PREQB SM 10200H CHLOROPHILL "A"	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.1	Active	PREQB SOP 021.1 - TEMPERATURE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.2	Active	PREQB SOP 021.2 - pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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PR-RIVER

Puerto Rico Environmental Quality Board (Rivers)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PREQB-SW	PREQB SOP 021.3	Active	PREQB SOP 021.3 Salinity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 021.4	Active	PREQB SOP 021.4-DISSOLVED OXYGEN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 022	Active	PREQB SOP 022, SM, 18 Ed. 9222D Microbiological Determination, Fecal Coliform, Total Coliform, Enterococcus	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 024	Active	EPA 353.2 NITRATE-N, NITRITE-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 025	Active	PREQB SOP 025 EPA - 350.1 AMMONIA-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 027	Active	PREQB SOP 027 TURBIDITY SM 2130B	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
PREQB-SW	PREQB SOP 028	Active	PREQB SOP 028 EPA 160.1 TOTAL SOLIDS DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP 034	Active	PREQB SOP 034 SM 1020H - CHLOROPHYLL A	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
PREQB-SW	PREQB SOP-021.3	Active	PREQB SOP-021.3 SALINITY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-024	Active	PREQB SOP-024 NO2 + NO3-N	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB SOP-033	Active	PREQB SOP-033 DISSOLVED OXYGEN SM METHOD 360.2 O.C. FOR	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public		

Field/Lab Analytical Procedures and Equipment Detail

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PR-RIVER		Puerto Rico Environmental Quality Board (Rivers)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			WINKLER	Health Association, 18th Edition		
PREQB-SW	PREQB-028	Active	PREQB-028 EPA 160.1 TOTAL SOLIDS SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	PREQB=SO P 28	Active	PREQB=SOP 28 EPA 160.3 TOTAL SOLIDS DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SECHI-DISK	Active	Sechi-disk	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SM 2130B PREQB	Active	SM 2130B PREQB SOP - 027 Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-SW	SM 4500-B.B	Active	SM 4500-B.B BORON	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2	Active	Copper by GFAA	USEPA, 1983, Methods for Chemical Analysis of	Graphite Furnace	

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PR-RIVER		Puerto Rico Environmental Quality Board (Rivers)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				Water and Wastes, USEPA, EPA 600/4-79-020	Atomic Absorption Spectrophotomet er		
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er		
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotomet er		
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er		
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er		
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet er		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		

Field/Lab Analytical Procedures and Equipment Detail

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PR-RIVER

Puerto Rico Environmental Quality Board (Rivers)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	365.4	Susp	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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PREQB-GW		Puerto Rico				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	4500-B-B	Active	Boron in Water by Spectrophotometry-Curcumin Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
PREQB-GW	PREQB SOP 021.1	Active	PREQB SOP 021.1 - TEMPERATURE, DEGREES C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-GW	PREQB SOP 021.2	Active	PREQB SOP 021.2 - PH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-GW	PREQB SOP 021.4	Active	PREQB SOP 021.4 - CONDUCTIVITY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
PREQB-GW	PREQB SOP 022	Active	PREQB SOP 022 - SM 9222D MICROBIOLOGICAL DETERMINATIONS - FECAL COLIFORMS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
PREQB-GW	PREQB SOP 022 T	Active	PREQB SOP 022 SM 9222B MICROBIOLOGICAL DETERMINATIONS - TOTAL COLIFORMS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
PREQB-GW	PREQB SOP-024	Active	PREQB SOP-024 Nitrogen Nitrite (NO2) automated, Nitrogen Nitrate (NO3-N) automated	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	160.1_M	Active	Total Dissolved Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration	Laboratory Balance	

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PREQB-GW		Puerto Rico				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water, USEPA, CLP_WQP		
USEPA	204.2_M	Active	Antimony by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	210.2_M	Active	Beryllium by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.2_M	Active	Cadmium by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.1_M	Active	Calcium by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	218.2_M	Active	Chromium by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	220.2_M	Active	Copper by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	236.1_M	Active	Iron by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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PREQB-GW		Puerto Rico				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	239.2_M	Active	Lead by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	242.1_M	Active	Magnesium by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	243.1_M	Active	Manganese by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1_M	Active	Mercury in Water by Manual CVAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.2_M	Active	Nickel by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	258.1_M	Active	Potassium by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	272.2_M	Active	Silver by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	273.1_M	Active	Sodium by FLAA	USEPA, 19--, CLP SOW for Inorganics Analysis-	Flame Atomic	

Field/Lab Analytical Procedures and Equipment Detail

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PREQB-GW		Puerto Rico				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
				ILM03_0, USEPA, ILM03_0	Absorption Spectrophotomet er	
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325_M(B)	Active	Chloride in Water by Titration	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Titration Apparatus	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotomet er	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	340.2_M	Active	Fluoride with an Ion Selective Electrode	USEPA, 19--., CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Ion Selective Electrode	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	

Field/Lab Analytical Procedures and Equipment Detail

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PREQB-GW

Puerto Rico

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	625	Active	Base/Neutral and Acid Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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PUYALLUP

Puyallup Tribe Of Indians (Washington)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
PUYALLUP	QAPP	Active	Quality Assurance Project Plan	QAPP - PUYALLUP, 2008, Quality Assurance Project Plan, PUYALLUP, 1		

Field/Lab Analytical Procedures and Equipment Detail

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QUAPAWTR

Quapaw Tribe of Oklahoma

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
HACH	8074(A)	Active	Total, Fecal and E. Coli Coliform	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Hydrophobic Grid Membrane Filter Apparatus	
QUAPAWTR	QUAPAW_SP	Active	Quapaw Tribe standard procedure	QT_SCP - Quapaw Tribe, Unknown, Quality Assurance Project Plan For the Quapaw Tribal Water Monitoring Program, Quapaw Tribe, Unknown		
Description For complete description please refer to Quality Assurance Project Plan For the Quapaw Tribal Water Monitoring Program						
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	376.1	Active	Sulfide by Titration with Iodine	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	

Field/Lab Analytical Procedures and Equipment Detail

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QUILEUTE

Quileute Natural Resources (Washington)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
QUILEUTE	QAPP	Active	Quality Assurance Project Plan	QAPP - QUILEUTE NATURAL RESOURCES, 2007, FOLLOW-UP ON ENVIRONMENTAL ASSESSMENT AND MANAGEMENT PLAN FOR NONPOINT SOURCE POLLUTION OF TRIBALLY MANAGED WATERS, QUILEUTE NATURAL RESOURCES, 1		

Field/Lab Analytical Procedures and Equipment Detail

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R2-LAB		New York				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-O-C	Active	Total Dissolved Oxygen by Titration- Azide Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
R2-LAB	EPA1600	Active	Method 1600: Membrane Filter Test Method for Enterococci in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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R4ATHENS

EPA Region 4 Athens Lab (Georgia)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
R4ATHENS	200.2	Active	% Moisture	%MOISTURE - USEPA, Region 4, 2000, % Moisture, 200.2 Rev 2.8, May 1994, Mod 1.0, Oct. 2000, USEPA, Region 4, All		
R4ATHENS	780-86T(S)	Active	Ammonia -soil/sed.	NH3_SED/SOIL - USEPA, Region 4, 2004, Ammonia - soil/sed, 780-86T, Rev. A Jan. 1993, Mod 2.0 Dec 2004, Bran & Luebbe Instrument Method Region 4, USEPA, Region 4, All		
R4ATHENS	780-86T(W)	Active	Ammonia -water	NH3_WATER - US EPA, Region 4, 2004, Ammonia -water, 780-86T, Rev. A Jan. 1993, Mod 2.0 Dec 2004, Bran & Luebbe Instrument Method, US EPA, Region 4, All		
R4ATHENS	8270D	Active	8270D	8270D_REV4 - USEPA, 2004, 8270D Rev 4, April 2004, USEPA, All		
R4ATHENS	ASB107C	Active	TOC in Sediment/Soil	TOC_SED/SOIL - US EPA, Region 4, 2002, TOC in Sediment/Soil, ASB107C, Nov 2002, This is a method developed by our lab, US EPA, Region 4, All		
R4ATHENS	ILM04.1	Active	Inorganics CLP SOW	ILM04.1 - USEPA, Region 4, Unknown, ILM04.1, USEPA, Region 4, All		
R4ATHENS	NAREL RA-04	Active	NAREL RA-04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description NAREL RA-04					
R4ATHENS	NARELGAM-01	Active	NAREL GAM-01	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description NAREL GAM-01					
R4ATHENS	OLM04.2	Active	Organics CLP SOW OLM04.2	OLM04.2 - USEPA, Region 4, Unknown, OLM04.2, USEPA, Region 4, All		
R4ATHENS	R4SOP	Active	Special Analytical Service	Unknown, 19--, No Cite - Method Not Cited,		

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R4ATHENS

EPA Region 4 Athens Lab (Georgia)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Unknown, Vol --		
R4ATHENS	US-786-86T(S)	Active	TKN soil/sediment	TKN_SED/SOIL - USEPA, Region 4, 2004, TKN soil/sediment, US-786-86T, Rev. A March 1994, Mod 2.0, Dec 2004, Bran & Luebbe Instrument Method, USEPA, Region 4, All		
R4ATHENS	US-786-86T(W)	Active	TKN- water	TKN_WATER - USEPA, Region 4, 2004, TKN-water, US-786-86T, Rev. A March 1994, Mod 2.0 Dec 2004, Bran & Luebbe Instrument Method, USEPA, Region 4, All		
R4ATHENS	XC299	Active	Contract Analysis	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-	

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R4ATHENS

EPA Region 4 Athens Lab (Georgia)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Red Detector	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	8081A(SWB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8081A(WW B)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8082(S)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8082(W)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

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R9VOL Volunteer Monitoring Groups in EPA Region 9 (CALIFORNIA)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	4500-NH3(D)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO3(C)	Active	Nitrate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	4500-O-B	Active	Total Dissolved Oxygen by Titration- Iodometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-C	Active	Total Dissolved Oxygen by Titration- Azide Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-D	Active	Total Dissolved Oxygen by Titration- Permanganate Modification	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-E	Active	Total Dissolved Oxygen by	American Public Health Association, 1992,	Titration	

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R9VOL Volunteer Monitoring Groups in EPA Region 9 (CALIFORNIA)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Titration- Alum Flocculation Modificati	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Apparatus	
APHA	4500-O-F	Active	Total Dissolved Oxygen by Titration- Copper/Sulfate-Sulfamic Acid	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-D	Active	Phosphorus in Water by Stannous Chloride Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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RCKYFLTS

Region 8 Superfund: Rocky Flats Indstl Pk Thoro-Aerrco-GWI

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
RCKYFLTS	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RCKYFLTS	ILM05.3	Active	ILM05.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RCKYFLTS	OLC03	Active	OLC03	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RCKYFLTS	OLM04	Active	OLM04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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REDLAKE	Red Lake Band of Chippewa (MN)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotomet er	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotomet er	

Field/Lab Analytical Procedures and Equipment Detail

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RITA6 Hurricane Rita Emergency Response Monitoring					
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Comparable National Procedure ID
RITA6	160.2	Active	160.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	1664A	Active	EPA 1664A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	2540G	Active	2540G	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	335.3	Active	335.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	335.4	Active	335.4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	350.1	Active	350.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	350.2	Active	350.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	350.3	Active	350.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	3500-CR D	Active	3500 CR D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	353.2	Active	EPA 353.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	365.1	Active	365.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	365.2	Active	365.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	365.4	Active	365.4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
RITA6	405.1	Active	405.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	

Field/Lab Analytical Procedures and Equipment Detail

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RITA6 Hurricane Rita Emergency Response Monitoring						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
RITA6	410.4	Active	410.4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	415.1	Active	415.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	420.1	Active	EPA 420.1	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	6010B	Active	Metals ICP 6010B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	7470A	Active	7470A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	8015B	Active	8015B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	8015M	Active	8015M	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	8081A	Active	P/P NOLA 8081A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	8082	Active	8082	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	8151A	Active	8151A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	8260B	Active	8260B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	8270	Active	8270	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	8270C	Active	8270C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	9071M	Active	9071M	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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RITA6 Hurricane Rita Emergency Response Monitoring						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
RITA6	9213D	Active	9213D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	9222 B	Active	9222 B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	9222 D	Active	9222 D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	9222D	Active	9222D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	A_VOC_IH	Active	A_VOC_IH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	B_ECOLI	Active	B_ECOLI	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	E624	Active	E624	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	E625	Active	E625	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	HACH 8000	Active	HACH 8000	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	N5506	Active	N5506	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	O&G 1664A	Active	O&G 1664A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	REAC_SOP 1805	Active	REAC_SOP 1805	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SM-3500CR_D	Active	SM-3500CR_D	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846	Active	SW-846 6010B	Unknown, 19--, No Cite - Method Not Cited,		

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RITA6 Hurricane Rita Emergency Response Monitoring						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	6010B			Unknown, Vol --		
RITA6	SW-846 7470A	Active	SW-846 7470A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846 7471A	Active	SW-846 7471A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846 8015B	Active	SW-846 8015B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846 8015BGAS	Active	SW-846 8015BGAS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846 8015MOD	Active	SW-846 8015Mod	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846 8081A	Active	SW-846 8081A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846 8082	Active	SW-846 8082	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846 8151A	Active	SW-846 8151A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846 8260B	Active	SW-846 8260B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846 8270	Active	SW-846 8270	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	SW-846 8270C	Active	SW-846 8270C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	TNRCC 1005/LA 1	Active	TNRCC 1005/LA 1005	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
RITA6	TNRCC 1006/LA 1	Active	TNRCC 1006/LA 1006	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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RITA6

Hurricane Rita Emergency Response Monitoring

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
RITA6	TPH 1664A	Active	TPH 1664A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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SACWSD South Adams County Water and Sanitation District (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NH3(C)	Active	Ammonia in Water by Titrimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(E)	Active	Ammonia in Water by Selective Electrode Method (Known Addition)	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NO3(E)	Active	Nitrate in Water- Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-O-F	Active	Total Dissolved Oxygen by	American Public Health Association, 1992,	Titration	

Field/Lab Analytical Procedures and Equipment Detail

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SACWSD South Adams County Water and Sanitation District (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Titration- Copper/Sulfate-Sulfamic Acid	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Apparatus	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
SACWSD	FLOW	Active	Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
SACWSD	UNKNOWN	Active	Default Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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SACWSD South Adams County Water and Sanitation District (Colorado)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	375.1	Active	Sulfate by Colorimetry With Chloranilate	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	376.2	Active	Sulfide by Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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SAGIN01

Saginaw Chippewa Planning Department (MI)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	

Field/Lab Analytical Procedures and Equipment Detail

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SBITENV

Shoaltwater Bay Tribe (Washington)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	

Field/Lab Analytical Procedures and Equipment Detail

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SBMUNSEE STOCKBRIDGE-MUNSEE COMMUNITY (Wisconsin)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
ASTM	D1889	Active	Turbidity of Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Turbidimeter	
ASTM	D5389	Active	Open-Channel Flow Measurement by Acoustic Velocity Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Acoustic Velocity Meter	
IL/SWSD	300.6	Active	Cl, PO4, NO3 and SO4 - IONCHR	Illinois State Water Survey, 19--, Methods for Acid Deposition, Illinois State Water Survey, EPA/600/4-86-024	Ion Chromatograph	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	310.2	Active	Alkalinity by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

Field/Lab Analytical Procedures and Equipment Detail

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SBMUNSEE

STOCKBRIDGE-MUNSEE COMMUNITY (Wisconsin)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	6010B	Active	Inductively Coupled Plasma AES	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Inductively Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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SDWRAP

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10300-C	Active	Periphyton Sample Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10300-D	Active	Periphyton Primary Productivity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in	American Public Health Association, 1992,	Laboratory	

Field/Lab Analytical Procedures and Equipment Detail

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SDWRAP

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	4500-CL(B)	Active	Residual Chlorine in Water by Titration- Iodometric Method I	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CL-(B)	Active	Chloride in Water by Titration- Argentometric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CO2(C)	Active	Carbon Dioxide in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water		

Field/Lab Analytical Procedures and Equipment Detail

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SDWRAP

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-NO3(G)	Active	Nitrate in Water- Titanous Chloride Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Potentiometer	
APHA	4500-NO3(I)	Active	Nitrate in Water- Cadmium Reduction Flow Injection	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-SO4(F)	Active	Sulfate in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water	Optical Microscope	

Field/Lab Analytical Procedures and Equipment Detail

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SDWRAP

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
SDWRAP	4500-F	Active	Nitrite nitrogen in water - Flow injected cadmium reduction	SDWRAP SOP - Watershed Assessment Team, June 2003, Standard Operating Procedure for Field Samplers Volume 1, State of South Dakota, Voume 1		
SDWRAP	4500-NH3(H)	Active	Ammonia nitrogen in water - Flow injected analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description		Proposed ammonia nitrogen method by flow injection in 1998 APHA				
SDWRAP	4500-NO2(I)	Active	Nitrite nitrogen in water - Flow injected cadmium reduction	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description		Nitrite nitrogen method by flow injected cadmium reduction in 1998 APHA.				
SDWRAP	4500-NO3(I)	Active	Nitrate nitrogen in water - Flow injected cadmium reduction	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description		Proposed nitrate nitrogen method of flow injected cadmium reduction in 1998 APHA.				
SDWRAP	4500-SO4(G)	Active	Sulfate in water - Methylthymol blue flow injection analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description		Sulfate method methylthymol blue flow injection analysis found in 1998 APHA.				
SDWRAP	507(MODIFIED)	Active	Nitrogen and phosphorus pesticides	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA		

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SDWRAP

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				821/C-99-008		
	Description	Same as EPA method 507 except the initial screening step is omitted and the lab goes for each constituent.				
SDWRAP	525.2	Active	Organics in water by gas chromatography	SDWRAP SOP - Watershed Assessment Team, June 2003, Standard Operating Procedure for Field Samplers Volume 1, State of South Dakota, Voume 1		
SDWRAP	525.5	Active	Organics in Water by Gas Chromotography	SDWRAP SOP - Watershed Assessment Team, June 2003, Standard Operating Procedure for Field Samplers Volume 1, State of South Dakota, Voume 1		
SDWRAP	ESCHERIC HIA	Active	Escherichia	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
	Description	Method 9223-B for E. coli				
SDWRAP	IDEXX-ELT	Active	Enterococci	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
SDWRAP	LANGELIER	Active	Langelier Index	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Calculated Langelier Index				
SDWRAP	SECCHI DISK	Active	SECCHI	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Secchi Disk with Calibrated Tether	
SDWRAP	USGS CAFFEINE	Active	Caffeine	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	USGS method				
SDWRAP	WRAPCAL C	Active	WRAPCALC	SDWRAP SOP - Watershed Assessment Team, June 2003, Standard Operating Procedure for Field Samplers Volume 1, State of South Dakota, Voume 1		

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SDWRAP		SD Dept of Environmental & Natural Resources				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	Description	Calculated value.				
SDWRAP	WRAPFLD	Active	Water Resource Assistance Program Field Procedures	SDWRAP SOP - Watershed Assessment Team, June 2003, Standard Operating Procedure for Field Samplers Volume 1, State of South Dakota, Voulme 1		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	1604	Active	Total Coliforms and E. coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium)	USEPA, 2002, Method 1604: Total Coliforms and Escherichia coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium), USEPA, EPA 821-R-02-024		
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	

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SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	206.2_M	Active	Arsenic by GFAA	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	210.2	Active	Beryllium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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SDWRAP		SD Dept of Environmental & Natural Resources					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
					er		
USEPA	218.2	Active	Chromium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	220.1_M	Active	Copper by FLAA	USEPA, 19-- , CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer		
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer		
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer		
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer		
USEPA	245.1_M	Active	Mercury in Water by Manual	USEPA, 19-- , CLP SOW for Inorganics Analysis-	Cold Vapor		

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SDWRAP		SD Dept of Environmental & Natural Resources					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
			CVAA	ILM03_0, USEPA, ILM03_0	Atomic Absorption Spectrophotomet er		
USEPA	249.1	Active	Nickel by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet er		
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er		
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet er		
USEPA	270.2	Active	Selenium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotomet er		
USEPA	270.2_M	Active	Selenium by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption Spectrophotomet er		
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet er		
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption		

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SDWRAP

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	286.2	Active	Vanadium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.1_M	Active	Zinc by FLAA	USEPA, 19-- , CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Flame Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	350.2(B)	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	351.3(B)	Active	Total Kjeldahl Nitrogen - Nesslerization	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.3	Active	Nitrate-Nitrite Nitrogen by Cd Reduction	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

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SDWRAP		SD Dept of Environmental & Natural Resources				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	365_M	Active	Phosphorus in Water by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Photometer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.1	Active	Mid-Level Chemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	415.2	Active	Low Level Total Organic Carbon in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Flame Ionization Detector	
USEPA	415.2_M	Active	Total Organic Carbon in Water	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Flame Ionization Detector	
USEPA	505	Active	Organohalide Pesticides	USEPA, 1991, Methods for the Determination of	Capillary GC	

Field/Lab Analytical Procedures and Equipment Detail

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SDWRAP

SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			and PCB in Water	Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Electron Capture Detector	
USEPA	507	Active	Nitrogen and Phosphorus Pesticides	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Nitrogen-phosphorus Detector	
USEPA	508	Active	Chlorinated Pesticides in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	525.2	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	531.1	Active	N-Methylcarbamates in Water by HPLC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	547	Active	Glyphosate in Drinking Water by HPLC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with	

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SDWRAP		SD Dept of Environmental & Natural Resources					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
					Mass Spectrophotome		
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer		
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer		
USEPA	8080A	Active	Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Electrolytic Conductivity Detector		
USEPA	8081(S)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector		
USEPA	8081(W)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector		
USEPA	8141(W)	Active	Organophosphorus Compounds in Water	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Capillary GC with Flame Photometric Detector		
USEPA	9010A(A)	Active	Total and Amenable Cyanides by Colorimetry	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Colorimeter		

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SHELLYAB

Shell Chemical Yabucoa (Puerto Rico)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
SHELLYAB	5	Active	200.8	5 - Environmental Monitoring Systems Laboratory, 1991, Methods for the Determination of Metals in Environmental Samples , Environmental Monitoring Systems Laboratory, EPA-600/4-91-010		
SHELLYAB	8081A	Active	8081A	2 - Accustandard.com, 2006, METHOD 8081A ORGANOCHLORINE PESTICIDES BY GAS CHROMATOGRAPHY, Accustandard.com, 8081a.pdf		
SHELLYAB	8082	Active	8082	3 - ODU, 2000, SW 846 8081/8082 Pesticides/PCBs, ODU, web document		
SHELLYAB	8270C SIM	Active	8270C SIM	4 - Richard L. Heines , Peter W. Halpin, 2006, Pyrethroid Pesticides by Modified EPA 8270, http://www.caltestlabs.com/PyrethroidPesticides.php , http://www.caltestla		
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1613(W)	Active	Dioxins and Furans - Water	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Capillary GC with High Resolution Mass Spectrophotometer	
USEPA	1631	Active	Mercury in Water by Oxidation, Purge and Trap, and CVAFS	USEPA, 1990, U.S. EPA Analytical Methods for the National Sewage Sludge Survey, September 1990, USEPA, EAD_METHODS	Cold Vapor Atomic Fluorescence Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of	Inductively	

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SHELLYAB

Shell Chemical Yabucoa (Puerto Rico)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Coupled Plasma Spectrophotometer	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7740	Active	Selenium in Various Matrices by GFAA	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	8081A(WW B)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8082(W)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

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SHELLYAB

Shell Chemical Yabucoa (Puerto Rico)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	9012A	Active	Total and Amenable Cyanide (Auto UV)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	

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SHOPAITSR		Shoshone-Paiute Tribes (Nevada)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
SHOPAITSR	QAPP	Active	Shoshone-Paiute Tribes QAPP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotomet er	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	300(B)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

Field/Lab Analytical Procedures and Equipment Detail

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SMSCGOV		Shakopee Mdewakanton (MN)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.1	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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SNEPO

Seminole Nation of Oklahoma Environmental Protection Office

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
SNEPO	SNEPOAP	Active	SNEPO Analytical Procedures	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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SOKAOGON

Sokaogon Chippewa Community (Wisconsin)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
SOKAOGON	8021	Active	Halogenated and Aromatic Volatiles	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		USEPA/8021A(PID)
Description	Comparable National Procedures: Procedure ID Procedure Name 8021A(ELCD) Halogenated and Aromatic Volatiles 8021A(PID) Halo and Aromatic Volatiles - CGC/PID					
SOKAOGON	LACHAT	Active	Lachat 20-107-04-1B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description	http://www.lachatinstruments.com/applications/method.asp?Mid=20-107-04-1-B					
SOKAOGON	UNKNOWN	Active	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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SRMTAKNY		St. Regis Mohawk Tribe (New York)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	340.2	Active	Fluoride in Water Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	505	Active	Organohalide Pesticides and PCB in Water	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8080A	Active	Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Electrolytic Conductivity Detector	
USEPA	9040A	Active	pH in Water by Electrometric Measurement	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	pH meter	
USEPA	9050A	Active	Specific Conductance	Unknown, 19--., No Cite - Method Not Cited,	Conductivity	

Field/Lab Analytical Procedures and Equipment Detail

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SRMTAKNY

St. Regis Mohawk Tribe (New York)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Unknown, Vol --	Meter	
USEPA	9214	Active	Fluoride in Water by ISE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Ion Selective Electrode	
USEPA	PAH-009	Active	Analysis of PAHs by GC/FID and GC/PID	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	GC with Flame Ionization Detector	
USEPA	SFSAS_12	Active	Mercury in Fish	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055	Cold Vapor Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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STANDARD						
Region 8 Superfund: Standard Mine						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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STROUD Stroud Water Research Center (Pennsylvania)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
STROUD	COND1.0	Active	Specific Conductivity	S-06-11R0.0 - Denis Newbold, 1994, Conductivity: Using the YSI Model 32 Conductance Meter with #3401 Cell, Stroud Water Research Center, pg 1-2 Document/Graphic		
STROUD	DOC1.0	Active	DOC	S-03-21R0.0 - Lou Kaplan, 1994, Calibration of O.I. 700 TOC Analyzer and Analysis of DOC, Stroud Water Research Center, pg1-5 Document/Graphic		
STROUD	FLOW1.0	Active	Flow Data Download from Minitroll	S-06-23R0.0 - Susan Herbert, 2004, Field Sampling for Stroud Preserve Streams, Stroud Water Research Center, pg 1-3 Document/Graphic		
STROUD	NH4N	Active	Ammonia+Ammonium-N	P-16-09R1.0 - Paul Kiry and David Velinsky, 2003, Ammonia+Ammonium-N Determination by the AlpkemContinuous Flow Analyzer: Surface Waters (A303-S020), The Academy of Natural Sciences, Patrick Center for Environmental Sciences, pg 1-5 Document/Graphic		
STROUD	PH1.0	Active	PH	S-06-13R1.3 - Susan Herbert, 2005, pH DETERMINATION IN SURFACE AND GROUND WATER SAMPLES, Stroud Water Research Center, pg 1-3 Document/Graphic		
STROUD	TSS_VSS1.0	Active	TSS_VSS	S-06-09R4.0 - D. J. VanHorn, 2004, Analysis for Suspended and Volatile Solids, Stroud Water Research Center, pg 1-4 Document/Graphic		

Field/Lab Analytical Procedures and Equipment Detail

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SWFMDDEP

Southwest Florida Water Management District (FLDEP)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-NH3(C)	Active	Ammonia in Water by Titrimetric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-NH3(D)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(E)	Active	Ammonia in Water by Selective Electrode Method (Known Addition)	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-	Active	Ammonia in Water Using	American Public Health Association, 1992,	Titration	

Field/Lab Analytical Procedures and Equipment Detail

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SWFMDDEP

Southwest Florida Water Management District (FLDEP)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	NH3(F)		Phenate Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Apparatus	
APHA	4500-NH3(G)	Active	Ammonia in Water Using Automated Phenate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
ASTM	D5176	Active	Nitrogen in Water by Pyrolysis Detection	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Fluorometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	

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SYCEO

Santa Ynez Chumash Environmental Office (California)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
SYCEO	DHS-LUFT	Active	DHS-LUFT	LUFT - DHS, 2003, DHS LUFT, DHS, 1		

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TAOSPBLO

Pueblo of Taos (New Mexico)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
TAOSPBLO	TP-FLOW	Active	Taos Pueblo Flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Taos Pueblo Flow						
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	

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TDECDOE Tennessee Department of Environment and Conservation						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
TDECDOE	A.18.4	Active	NO3 & NO2 NITROGEN	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. ____		
TDECDOE	A.18.9.1	Active	Total Phosphate	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. ____		
TDECDOE	A.23.1	Active	Total Phenols	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. ____		
TDECDOE	EPA 249.2	Active	Petroleum Hydrocarbons (TPH)	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. ____		

Field/Lab Analytical Procedures and Equipment Detail

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TDECDOE Tennessee Department of Environment and Conservation						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
TDECDOE	MS	Active	Mass spec for extractable organics	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. ____		
TDECDOE	MS+ECD	Active	Mass spec and electron capture	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. ____		
	Description Mass spec and electron capture					
TDECDOE	PARTSIZE	Active	Particle size distribution of sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. ____		
TDECDOE	R.1.3	Active	Gross Alpha & Beta	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. ____		
TDECDOE	R.6	Active	Gamma radionuclides	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. ____		
TDECDOE	SOLIDS	Active	Percent Solids	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. ____		
TDECDOE	TDS	Active	Total Dissolved Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		APHA/2540-C
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	

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TDECDOE

Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	1106_1	Active	Enterococci in Water by Membrane Filter	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	202.1	Active	Aluminum by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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TDECDOE

Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	206.2	Active	Arsenic by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	208.1	Active	Barium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	212.3	Active	Boron by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	213.1	Active	Cadmium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	218.1	Active	Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	219.1	Active	Cobalt by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	236.2	Active	Iron by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic	

Field/Lab Analytical Procedures and Equipment Detail

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TDECDOE

Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
USEPA	239.1	Active	Lead by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	242.1	Active	Magnesium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	243.2	Active	Manganese by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.5	Active	Mercury in Sediment by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	249.2	Active	Nickel by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	258.1	Active	Potassium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

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TDECDOE Tennessee Department of Environment and Conservation						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
USEPA	270.3	Active	Selenium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	272.1	Active	Silver by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	273.1	Active	Sodium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.2	Active	Zinc by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	335.3	Active	Total Cyanide by Colorimetric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an	USEPA, 1983, Methods for Chemical Analysis of	Ion Selective	

Field/Lab Analytical Procedures and Equipment Detail

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TDECDOE

Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			ISE	Water and Wastes, USEPA, EPA 600/4-79-020	Electrode	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	
USEPA	9071A	Active	Oil and Grease in Sludge and Sediment	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Laboratory Balance	
USEPA	C-005-1	Active	Oil and Grease by Extraction/Gravimetry	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Laboratory Balance	

Field/Lab Analytical Procedures and Equipment Detail

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TDECWPC

Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2310	Active	Acidity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-B	Active	Total Solids Dried 103-105C in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in	American Public Health Association, 1992,	Laboratory	

Field/Lab Analytical Procedures and Equipment Detail

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TDECWPC

Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Balance	
APHA	2540-F	Active	Settleable Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3111-B	Active	Metals in Water by FLAA-Direct Air-Acetylene Flame	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Graphite Furnace Atomic Absorption Spectrophotometer	
APHA	3500-CA(B)	Active	Calcium in Water by FLAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
APHA	4500-CL-(C)	Active	Chloride in Water by Titration- Mercuric Nitrate Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	4500-CN(E)	Active	Cyanide in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-	Active	Nitrate in Water- Automated	American Public Health Association, 1992,	AutoAnalyzer	

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Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	NO3(F)		Cadmium Reduction	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5220-B	Active	Chemical Oxygen Demand by Titration- Open Reflux Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5220-D	Active	Chemical Oxygen Demand by Colorimetry- Closed Reflux	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra-Red Detector	
APHA	5520-B	Active	Oil and Grease by Gravimetric Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane	American Public Health Association, 1998,	Optical	

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TDECWPC

Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Filter Procedure	Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	9230-B	Active	Fecal Streptococcus and Enterococcus, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
TDECWPC	1CONDUCTIVITY	Active	SPECIFIC CONDUCTIVITY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
TDECWPC	1DO	Active	DISSOLVED OXYGEN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
TDECWPC	1FLOW	Active	FLOW	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
TDECWPC	1PH	Active	PH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
TDECWPC	1TEMPERATURE	Active	TEMPERATURE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Thermometer	
TDECWPC	9223-B ED	Active	E Coli-dilu	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
TDECWPC	DEMO -004	Active	DEMO	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
TDECWPC	SQBANK	Active	SQBANK	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
TDECWPC	SQKICK	Active	SQKICK	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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TDECWPC

Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
TDECWPC	SQSH	Active	semi quantitative single habitat	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
TDECWPC	TDS FIELD	Active	TOTAL DISSOLVED SOLIDS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
TDECWPC	TURBIDITY FIELD	Active	TURBIDITY FIELD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	1106.1	Active	Enterococci in Water by Membrane Filtration Using membrane-Enterococcus-Esculin Iron Agar (mE-EIA)	USEPA, 2002, Method 1106.1: Enterococci in Water by Membrane Filtration Using membrane-Enterococcus-Esculin Iron Agar (mE-EIA) (September 2002), USEPA, EPA 821-R-02-021		
USEPA	200	Active	Metals by Atomic Absorption	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	218.4	Active	Hexavalent Chromium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I,	Cold Vapor Atomic	

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TDECWPC

Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600-R-94-111	Absorption Spectrophotometer	
USEPA	272.2	Active	Silver by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	445	Active	In-Vitro Determination of Chlorophyll	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	

Field/Lab Analytical Procedures and Equipment Detail

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TDECWPC

Tennessee Department of Environment and Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	

Field/Lab Analytical Procedures and Equipment Detail

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THORNTON		City of Thornton (Colorado)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	2560-B	Active	Particle Counting by Electrical Sensing	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	No equipment	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-	Active	Ammonia in Water Using	American Public Health Association, 1992,	Titration	

Field/Lab Analytical Procedures and Equipment Detail

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THORNTON		City of Thornton (Colorado)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	NH3(F)		Phenate Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Apparatus	
APHA	4500-NO2(B)	Active	Nitrite in Water by Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-NO3(F)	Active	Nitrate in Water- Automated Cadmium Reduction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-O-G	Active	Total Dissolved Oxygen by Membrane Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-P-C	Active	Phosphorus in Water by Vanadomolybdophosphoric Acid Colorimetry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
APHA	4500-P-F	Active	Phosphorus in Water by Colorimetry- Automated Ascorbic Acid Metho	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
APHA	4500-SO4(B)	Active	Sulfate in Water by Ion Chromatography	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Chromatograph	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	
APHA	5310-C	Active	Total Organic Carbon in	American Public Health Association, 1992,	Total Organic	

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THORNTON		City of Thornton (Colorado)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
			Water- Ultraviolet Oxidation Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Carbon - UV Oxidation - IR/FID Detector		
APHA	9221-E	Active	Estimation of Fecal Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter		
THORNTON	FLOW	Active	flow	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome		
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er		
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotomet er		
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotomet er		
USEPA	300_M	Active	Determination of Anions by IC	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Ion Chromatograph		
USEPA	415.1	Active	Total Organic Carbon by	USEPA, 1983, Methods for Chemical Analysis of	Total Organic		

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THORNTON

City of Thornton (Colorado)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Combustion	Water and Wastes, USEPA, EPA 600/4-79-020	Carbon - Infra- Red Detector	

Field/Lab Analytical Procedures and Equipment Detail

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TSWQC

Tri-State Water Quality Council (EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
TSWQC	1050(A)	Active	Anion - Cation Balance	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Unit conversion for calculating Anion - Cation balance is presented in this section of Standard methods. Sum of the anions, and sum of the cations are reported separately as milliequivalents per liter.						
TSWQC	FLOW-METER	Active	Flow, Average Velocity times Cross Sectional Area	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Electromagnetic Current Meter	
TSWQC	FLOW-STAFF_GAGE	Active	Flow, Determination from Staff Gage	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
TSWQC	PEBBLE	Active	Pebble Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
Description Pebble count field activity.						
TSWQC	PERIPHYTONCOUNT	Active	Periphyton Analysis	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

Field/Lab Analytical Procedures and Equipment Detail

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TSWQC Tri-State Water Quality Council (EPA Region 8)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	Description	Diatom algae: A permanent strewn mount is prepared that is suitable for a diatom proportional count and containing a representative sub-sample of the diatoms present in the original sample. The contractor will identify and enumerate 800 diatom valves (400 cells) on each diatom slide (at a minimum of 900X) to the lowest practical taxonomic unit. Non-diatom algae: Quantitative method or qualitative method may be used. Quantitative method follows phytoplankton counting methods outlined in Park 10200 F (APHA). For the qualitative method, the wet mount is scanned under a compound microscope at 200X. Soft-bodied algae are identified to genus. After all the common soft-bodied algae are identified, each genus is ranked according to its estimated contribution to the total algal biomass at the site, taking into account the remaining macroalgae and microalgae in the original sample. The genus with the most biomass is ranked 1, the next most biomass is ranked 2, and so on. Diatom are included, but they are ranked as a group. Genera of soft-bodied algae and diatoms as a group are also rated as to the relative abundance of their cells. Rare (1), occasional (2), common (3), frequent (4), abundant (5), and dominant (6).				
TSWQC	SAR-CALC	Active	Sodium Adsorption Ratio Calculation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Sodium Adsorption Ratio calculated from analytical laboratory results as Sodium Adsorption Ratio [(Na)/(sq root of 1/2 Ca + Mg)]				
TSWQC	TDS_METE R	Active	TDS determination using handheld probe.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	Typically instrument records conductivity and reports TDS using a calculation factor.				
TSWQC	TN-CALC	Active	Total Nitrogen, TN - SUM of TKN + NO3 + NO2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
TSWQC	TPN-4500-N_C	Active	Persulfate Nitrogen Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
	Description	Total Persulfate Nitrogen (TPN): Persulfate digestion followed Nitrate plus Nitrite determination by automated Cadmium reduction.				
TSWQC	UNKNOWN	Active	Unknown Method or Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	Description	The method used to obtain this result was either unknown or unavailable at the time the data was processed for loading into STORET.				
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Nephelometer	

Field/Lab Analytical Procedures and Equipment Detail

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TSWQC

Tri-State Water Quality Council (EPA Region 8)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.1	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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UDWC

Upper Deschutes Watershed Council (Oregon)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	

Field/Lab Analytical Procedures and Equipment Detail

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USACOEND

US Army Corps of Engineers, Nashville District (Tennessee)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2340	Active	Hardness in Water by EDTA Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	5310-C	Active	Total Organic Carbon in Water- Ultraviolet Oxidation Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - UV Oxidation - IR/FID Detector	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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USACOEND

US Army Corps of Engineers, Nashville District (Tennessee)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	245.5	Active	Mercury in Sediment by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	375.4	Active	Sulfate by Turbidimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Turbidimeter	
USEPA	415.1	Active	Total Organic Carbon by Combustion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Total Organic Carbon - Infra-Red Detector	
USEPA	8081(S)	Active	Organochlorine Pesticides and PCBs	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8082(S)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	

Field/Lab Analytical Procedures and Equipment Detail

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USACOEND

US Army Corps of Engineers, Nashville District (Tennessee)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270C(S)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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USFS0614

Umatilla National Forest (Washington and Oregon)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
HACH	8008	Active	Total Iron in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
HACH	8229	Active	Dissolved Oxygen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Generic inspection-related	

Field/Lab Analytical Procedures and Equipment Detail

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USFS0614

Umatilla National Forest (Washington and Oregon)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					equipment(eg color charts)	
USFS0614	8171	Active	Hach Nitrate, MR	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
USFS0614	9222 B	Active	Total Coliform, E. Coli	USEPA, 2000, Membrane Filter Method for the Simultaneous Detection of Total Coliforms and Escherichia coli in Drinking Water, USEPA, EPA 600/R-00-013	Optical Microscope	APHA/9222-B

Field/Lab Analytical Procedures and Equipment Detail

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USFWS-NM

New Mexico Ecological Services Field Office (New Mexico)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D422	Active	Particle-Size Analysis of Soils	American Society for Testing of Materials, 1994, ASTM Standards. Soil and Rock (I), American Society for Testing and Materials, Vol 4.08	No equipment	
ASTM	D5389	Active	Open-Channel Flow Measurement by Acoustic Velocity Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Acoustic Velocity Meter	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.2	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.3	Active	Total Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	245.6	Active	Mercury in Tissue by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples,	Ion Chromatograph	

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USFWS-NM

New Mexico Ecological Services Field Office (New Mexico)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	314	Active	Perchlorate in Drinking Water using Ion Chromatography	USEPA, 2000, Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, vol 1., USEPA, 815/R-00-014		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	354.1	Active	Nitrite Nitrogen by Spectrophotometry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	6010B	Active	Inductively Coupled Plasma	USEPA, 1998, Test Methods for Evaluating Solid	Inductively	

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USFWS-NM

New Mexico Ecological Services Field Office (New Mexico)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			AES	Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Coupled Plasma Combined with Mass Spectrophotometer	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8081A(SWB)	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8141A(W)	Active	Organophosphorus Compounds in Water	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Flame Photometric Detector	
USEPA	8151(W)	Active	Chlorinated Herbicides in Water by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	

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USFWS-NM

New Mexico Ecological Services Field Office (New Mexico)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	8310	Active	Polynuclear Aromatic Hydrocarbons	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	8330(W)	Active	Nitroaromatics and Nitramines by HPLC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	9012A	Active	Total and Amenable Cyanide (Auto UV)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	No equipment	
USEPA	9056	Active	Anion Chromatography Method	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Ion Chromatograph	
USEPA	9060	Active	Total Organic Carbon in Water and Waste	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Total Organic Carbon - Infra-Red Detector	
USEPA	9071A	Active	Oil and Grease in Sludge and Sediment	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Laboratory Balance	
USEPA	ITM-001	Active	Metals Emissions from Stationary Sources	USEPA, 19--., Emission Measurement Technical, USEPA, EMTIC_BULLETIN	No equipment	
USFWS-NM	D5388	Active	Discharge, instantaneous	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01		ASTM/D5389

Field/Lab Analytical Procedures and Equipment Detail

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USVIST		Government US Virgin Islands				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
HACH	8021	Active	Free Chlorine in Water by DPD	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
USEPA	1106_1	Active	Enterococci in Water by Membrane Filter	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	351.2	Active	Total Kjeldahl Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.4	Active	Total Phosphorus After Block Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	405.1	Active	5 Day Biochemical Oxygen	USEPA, 1983, Methods for Chemical Analysis of	Generic	

Field/Lab Analytical Procedures and Equipment Detail

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USVIST Government US Virgin Islands						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Demand	Water and Wastes, USEPA, EPA 600/4-79-020	inspection-related equipment(eg color charts)	
USVIST	DEPTH FINDER	Active	Depth Determination by Handheld Depth Finder Speedtech Instrument	Division of Environmental Protection, 2000, Standard Operationing Procedures for Ambient Monitoring, Division of Environmental Protection, 4 pages	Probe	
USVIST	DOTEMP	Active	YSI Dissolved Oxygen / Water Temperature Probe	Division of Environmental Protection, 2000, Standard Operationing Procedures for Ambient Monitoring, Division of Environmental Protection, 4 pages	YSI Multi Probe Handheld Instrument	
USVIST	GPS	Active	Trimble GeoExplorer II Global Positioning System	Division of Environmental Protection, 2000, Standard Operationing Procedures for Ambient Monitoring, Division of Environmental Protection, 4 pages		
USVIST	KJELDAHL	Active	Total Kjeldahl Nitrogen Sampling	Division of Environmental Protection, 2000, Standard Operationing Procedures for Ambient Monitoring, Division of Environmental Protection, 4 pages		
USVIST	SALINITY	Active	YSI Salinity Probe	Division of Environmental Protection, 2000, Standard Operationing Procedures for Ambient Monitoring, Division of Environmental Protection, 4 pages	YSI Multi Probe Handheld Instrument	
USVIST	SECCHI	Active	Secchi Depth Determination	Division of Environmental Protection, 2000, Standard Operationing Procedures for Ambient Monitoring, Division of Environmental Protection, 4 pages	Secchi Disk with Calibrated Tether	

Field/Lab Analytical Procedures and Equipment Detail

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UTAHDWQ		Utah Department Of Environmental Quality				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-F	Active	Phytoplankton Counting Techniques	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	10300-C	Active	Periphyton Sample Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	10500-C	Active	Benthic Macroinvertebrate Sample Processing and Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Calculated	
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-E	Active	Fixed and Volatile Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-F	Active	Settleable Solids in Water	American Public Health Association, 1992,	Laboratory	

Field/Lab Analytical Procedures and Equipment Detail

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UTAHDWQ

Utah Department Of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Balance	
APHA	2540-G	Active	Total, Fixed and Volatile Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	3114-C	Active	Metals in Water by Continuous HYDAA	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Hydride Atomic Absorption Spectrophotometer	
APHA	3500-CR(D)	Active	Total Hexavalent Chromium in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	4500-F-C	Active	Fluoride in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NH3(H)	Active	Ammonia in Water - Flow Injection Analysis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	5210-B	Active	5-Day Biochemical Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Generic inspection-related equipment(eg color charts)	

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UTAHDWQ		Utah Department Of Environmental Quality					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
APHA	5310-B	Active	Total Organic Carbon by Combustion-Infrared Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Carbon - Infra- Red Detector		
APHA	5320-B	Active	Dissolved Organic Halogen in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Total Organic Halogen Analyzer		
APHA	5540-C	Active	Anionic Surfactants in Water as MBAS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter		
APHA	6233-B	Active	Haloacetic Acids and Trichlorophenol	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Capillary GC Electron Capture Detector		
APHA	6251-B	Active	Disinfection By-Products: Haloacetic Acids and Trichlorophenol	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Capillary GC Electron Capture Detector		
APHA	7500-RA(B)	Active	Radium in Water by Precipitation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Alpha Scintillation Detector		
APHA	9215-D	Active	Heterotrophic Plate Count- Membrane Filter Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope		
APHA	9221-C	Active	Estimation of Coliform Group Density, Multi-tube Fermentation Technique	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter		
APHA	9221-E	Active	Estimation of Fecal Coliform	American Public Health Association, 1992,	Colorimeter		

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UTAHDWQ

Utah Department Of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Group Density, Multi-tube Fermentation Technique	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
APHA	9222-B	Active	Standard Total Coliform Membrane Filter Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Optical Microscope	
APHA	9222-D	Active	Fecal Coliform Membrane Filter Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition	Optical Microscope	
APHA	9223-B	Active	Enzyme Substrate Test, E. coli, Coliform Group	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
ASTM	D5072	Active	Radon in Drinking Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02	Liquid Scintillation Counter	
USEPA	00-02	Active	Gross Alpha Activity in Drinking Water by Coprecipitation	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006	Alpha G particle counter	
USEPA	110.2	Active	Color Analysis Using Platinum/Cobalt	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Nessler Tube	
USEPA	1103_1	Active	E. coli in Water by Membrane Filtration	USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076	Filtration Apparatus	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	140.1	Active	Odor in Water Using a Consistent Series	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-	

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UTAHDWQ

Utah Department Of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					related equipment(eg color charts)	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2_M	Active	Total Suspended Solids	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	Laboratory Balance	
USEPA	160.4	Active	Volatile Residue	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	No equipment	
USEPA	160.5	Active	Settleable Matter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1664	Active	Extractable Material in Oil and Grease	USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008	Laboratory Balance	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(S)	Active	Metals in Soil by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with	

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UTAHDWQ

Utah Department Of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Mass Spectrophotometer	
USEPA	200.8(S)	Active	Metals in Wastes by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	245.6	Active	Mercury in Tissue by CVAA	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	314	Active	Perchlorate in Drinking Water using Ion Chromatography	USEPA, 2000, Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, vol 1., USEPA, 815/R-00-014		
USEPA	325.2	Active	Chloride by Colorimetric	USEPA, 1983, Methods for Chemical Analysis of	AutoAnalyzer	

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UTAHDWQ		Utah Department Of Environmental Quality					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
			Analysis II	Water and Wastes, USEPA, EPA 600/4-79-020			
USEPA	325.3	Active	Chloride by Mercuric Nitrate Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	335.1	Active	Cyanides Amenable to Chlorination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer		
USEPA	335.2	Active	Total Cyanide in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer		
USEPA	335.4	Active	Cyanide by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode		
USEPA	351.3(A)	Active	Total Kjeldahl Nitrogen by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus		
USEPA	351.4	Active	Total Kjeldahl Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode		
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	365.1	Active	Phosphorus by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter		
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer		
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer		

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UTAHDWQ	Utah Department Of Environmental Quality					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	370.1	Active	Dissolved Silica by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	376.2	Active	Sulfide by Colorimetric Determination	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	420.4	Active	Total Recoverable Phenolics in Water	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	502.2(ELCD)	Active	Volatile Organic Compounds in Water	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Electrolytic Conductivity Detector	
USEPA	502.2(PID)	Active	Volatile Organic Compounds in Water	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Photoionization Detector	
USEPA	504	Active	EDB and DBCP in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	505	Active	Organohalide Pesticides	USEPA, 1991, Methods for the Determination of	Capillary GC	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			and PCB in Water	Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Electron Capture Detector	
USEPA	507	Active	Nitrogen and Phosphorus Pesticides	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC with Nitrogen-phosphorus Detector	
USEPA	508	Active	Chlorinated Pesticides in Water by GC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	508.1	Active	Chlorinated Pest., Herb. and Organohalide	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	515.1	Active	Chlorinated Acids in Water by CGC/ECD	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary GC Electron Capture Detector	
USEPA	524.2	Active	Purgeable Organics in Water by CGC/MS	USEPA, 1992, Methods for the Determination of Organic Compounds in Drinking Water, Supplement II, USEPA, EPA 600/R-92-129	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	525.1	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	525.2	Active	Organics in Water by Gas Chromatography	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	531.1	Active	N-Methylcarbamates in Water by HPLC	USEPA, 1991, Methods for the Determination of Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	High Performance Liquid	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Chromatograph with Fluorescence Dete	
USEPA	547	Active	Glyphosate in Drinking Water by HPLC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatograph with Fluorescence Dete	
USEPA	548	Active	Endothall in Water by Gas Chromatography	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	GC with Electrolytic Conductivity Detector	
USEPA	549	Active	Diquat and Paraquat in Water by HPLC/UV	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	High Performance Liquid Chromatography with Ultraviolet Dete	
USEPA	551	Active	Chlorinated Solvents in Water by GC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	Capillary GC Electron Capture Detector	
USEPA	552	Active	Haloacetic Acids in Water by GC	USEPA, 1990, Methods for the Determination of Organic Compounds in Drinking Water, Supplement I, USEPA, EPA 600/4-90-020	Capillary GC Electron Capture Detector	
USEPA	601	Active	Purgeable Halocarbons in Wastewater	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electron Capture Detector	
USEPA	6010A	Active	ICP Spectroscopy	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Inductively Coupled Plasma Combined with Mass	

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UTAHDWQ		Utah Department Of Environmental Quality				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotome	
USEPA	602	Active	Purgeable Aromatics in Wastewater by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Photoionization Detector	
USEPA	6020	Active	Inductively Coupled Plasma - Mass Spec.	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Inductively Coupled Plasma Spectrophotometer	
USEPA	608	Active	Organochlorine Pesticides and PCBs by GC	USEPA, 19--., Guidelines Establishing Test Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	608.2	Active	Organochlorine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	614	Active	Organophosphorus Pesticides I	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Flame Photometric Detector	
USEPA	615	Active	Chlorinated Herbicides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Electrolytic Conductivity Detector	
USEPA	619	Active	Triazine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus Detector	
USEPA	624	Active	Purgeable Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	625	Active	Base/Neutral and Acid Organics in Wastewater	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136	GC with Low Resolution Mass Spectrophotometer	
USEPA	7470A	Active	Mercury in Liquid Wastes by CVAA	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	7471A	Active	Mercury in Solid or Semisolid Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	8015A	Active	Non-Halogenated Volatile Organics	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	GC with Flame Ionization Detector	
USEPA	8015B	Active	Non-Halogenated Organics Using GC/FID	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Flame Ionization Detector	
USEPA	8020A	Active	Aromatic Volatile Organics by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Photoionization Detector	
USEPA	8021A(ELCD)	Active	Halogenated and Aromatic Volatiles	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Electrolytic Conductivity Detector	
USEPA	8021A(PID)	Active	Halo and Aromatic Volatiles - CGC/PID	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary GC with Photoionization Detector	
USEPA	8140	Active	Organophosphorus Pesticides by GC	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	GC with Flame Photometric Detector	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	8141(W)	Active	Organophosphorus Compounds in Water	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Capillary GC with Flame Photometric Detector	
USEPA	8150B	Active	Chlorinated Herbicides by GC	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	GC with Electrolytic Conductivity Detector	
USEPA	8260B	Active	Volatile Organics by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	8270B(W)	Active	Semivolatile Organics in Water by GC/MS	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	900	Active	Gross Alpha and Beta Activity in Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	
USEPA	903.1	Active	Radium-226 in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha Scintillation Detector	
USEPA	9030A	Active	Acid Soluble and Acid Insoluble Sulfides	USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	Titration Apparatus	
USEPA	904	Active	Radium-228 in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Beta Gas Proportional Detector	
USEPA	9070	Active	Total Recoverable Oil and Grease	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd	Laboratory Balance	

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<div> <div>UTAHDWQ</div> <div>Utah Department Of Environmental Quality</div> </div>						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition., USEPA, EPA 530/SW-846		
USEPA	908	Active	Uranium in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha G particle counter	
UTAHDWQ	2330B	Active	Corrosivity	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
UTAHDWQ	515.1DEQW Q	Active	Chlorinated Acids for Water Quality	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
UTAHDWQ	524.2 DEQWQ	Active	Volitiles For Water Quality	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
UTAHDWQ	525.2 L1	Active	Semivol Org UCMR List 1	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
UTAHDWQ	525.2DEQ	Active	Semivolalitiles for DEQ	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		USEPA/525.2
UTAHDWQ	526	Active	Semivol Org UCMR List 2	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
UTAHDWQ	528	Active	SemiVol Org UCMR List 2	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
UTAHDWQ	5910B	Active	UV absorption @ 254 nm	Division of Water Quality, 1996, Division of Water Quality Quality Assurance/Quality Control Manual, Division of Water Quality, 1		
UTAHDWQ	624DEQWQ	Active	Volatiles for Water Quality	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
UTAHDWQ	6251B/552	Active	Haloacetic Acids	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
UTAHDWQ	7500B	Active	Radon	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
UTAHDWQ	8021B	Active	Aromatic and Halogenated Aromatics (BTEX)	Division of Water Quality, 1996, Division of Water Quality Quality Assurance/Quality Control Manual, Division of Water Quality, 1		
UTAHDWQ	913.0	Active	Radon	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
UTAHDWQ	9230C	Active	Fecal Step membrane filter	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
UTAHDWQ	COILERT	Active	Field Coliform analyses by coilert	Division of Water Quality, 1996, Division of Water Quality Quality Assurance/Quality Control		

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<div> <div>UTAHDWQ</div> <div>Utah Department Of Environmental Quality</div> </div>						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Manual, Division of Water Quality, 1		
UTAHDWQ	COLILERT	Active	Colilert	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
UTAHDWQ	DRC	Active	Metals by ICPMS w/ DRC	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
UTAHDWQ	FIELD MEASURES	Active	Field Measurements performed by Utah DWQ	Division of Water Quality, 1996, Division of Water Quality Quality Assurance/Quality Control Manual, Division of Water Quality, 1		
UTAHDWQ	FIELD TURBIDITY	Active	Turbidity determined in the field	Division of Water Quality, 1996, Division of Water Quality Quality Assurance/Quality Control Manual, Division of Water Quality, 1		
UTAHDWQ	GENERIC METHOD	Active	Used for all methods where historical methodology may not be available.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
UTAHDWQ	GENERIC METHOD2	Active	Used for half of methods where historical methodology may not be available.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
UTAHDWQ	GSLPERI	Active	Periphyton sampling and analysis in GSL Wetlands	Division of Water Quality, 1996, Division of Water Quality Quality Assurance/Quality Control Manual, Division of Water Quality, 1		
UTAHDWQ	MACRO1	Active	Macroinvertebrates analyzed at BYU	Fred Magnum, 19??, Fred Magnums Macroinvertebrate Taxon Abundance Method, Fred Magnum, ??		
UTAHDWQ	MACRO2	Active	Macroinvertebrates analyzed at USU	Mark Vincents, 19??, Mark Vincents analyses of macroinvertebrates, Mark Vincents, 1		

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<div> <div>UTAHDWQ</div> <div>Utah Department Of Environmental Quality</div> </div>						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
UTAHDWQ	PERI1	Active	Periphyton Counting By Rushforth Ecology	Division of Water Quality, 1996, Division of Water Quality Quality Assurance/Quality Control Manual, Division of Water Quality, 1		
UTAHDWQ	PHYTO1	Active	Phytoplankton Counting By Sam Rushforth	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
UTAHDWQ	SLC FLOWS	Active	Flows determined by Salt Lake County Water Reclamation	Division of Water Quality, 1996, Division of Water Quality Quality Assurance/Quality Control Manual, Division of Water Quality, 1		
UTAHDWQ	THM DEQ	Active	THM by 524.2 for Water Quality	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
UTAHDWQ	USEPA7473	Active	Mercury in Fish	Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
UTAHDWQ	USGSFLOW	Active	Flow measurements taken by the USGS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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U_NH01 University of N H Center for Freshwater Biology (New Hampsh)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	10200-H	Active	Chlorophyll a-b-c Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Spectrophotometer	
APHA	2120-B	Active	Color in Water by Visual Comparison	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Human Eye	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
U_NH01	LLMP-SECCHI	Active	Secchi Disk Transparency	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
U_NH01	SM 20 2320-B	Active	Low Alkalinity Titration to pH 4.5	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
Description Reference: Standard Methods 20th edition: 2320 B. (low alkalinity) -modified This method has been modified in two respects: 1- The ecoregional character of NH lakes makes using a more dilute acid result in the higher sensitivity required to obtain adequate results. Thus, a titrant of .002N H2SO4 is used instead of the .02N acid of standard method. 2- While lab analysis typically uses a pH meter, for the field we use a pH indicator solution for efficiency unless the water has high organic color. A mixed bromocresol green-methyl red indicator allows for a sharper equivalence point at the lower pH that the test requires. It is greenish-blue at pH 5.2, light blue at pH 5.0, light gray at pH 4.8, and light pink at pH 4.5. Upon special request the protocol can be followed using the Hanna Model HI-9025 pH meter instead of indicator solution. Follow the protocols outlined below but skip step C.2. and substitute pH 4.8 for gray endpoint and pH 4.5 for pink endpoint.						

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VALENCIA	Valley Improvement Association					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotometer	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
VALENCIA	QAPP	Active	Quality AssuranceProgram Procedures	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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WASISWCD		Wasilla SWCD (Alaska)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2130	Active	Turbidity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Nephelometer	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Thermometer	
APHA	3.5	Active	Coliforms- Plate Count	American Public Health Association, 1984, Laboratory Procedures for the Examination of Seawater and Shellfish, American Public Health Association, Vol --	Optical Microscope	
APHA	4500-H	Active	pH in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	pH meter	
APHA	4500-NO3(D)	Active	Nitrate in Water Using an ISE	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	

Field/Lab Analytical Procedures and Equipment Detail

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WASISWCD		Wasilla SWCD (Alaska)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	352.1	Active	Nitrate Nitrogen by Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.5	Active	Orthophosphate in Water by Colorimetry	USEPA, 1992, Methods for Determination of Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	AutoAnalyzer	

Field/Lab Analytical Procedures and Equipment Detail

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WATERLDF

Lac Du Flambeau Band of Lake Superior Chippewa Indians DNR

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	245.2	Active	Mercury by CVAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Cold Vapor Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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WIYOT		Wiyot Tribe (California)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
APHA	2520-B	Active	Salinity in Water- Electrical Conductivity Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	4500-NH3(D)	Active	Ammonia in Water by Selective Electrode Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Ion Selective Electrode	
APHA	4500-NOR(B)	Active	Total Kjeldahl Nitrogen in Water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Generic inspection-related equipment(eg color charts)	
APHA	4500-P-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Colorimeter	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	1604	Active	Total Coliforms and E. coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium)	USEPA, 2002, Method 1604: Total Coliforms and Escherichia coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium), USEPA, EPA 821-R-02-024		
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	

Field/Lab Analytical Procedures and Equipment Detail

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WIYOT	Wiyot Tribe (California)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.8(W)	Active	Metals in Waters by ICP/MS	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Spectrophotomet er	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotomet er	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotomet er	
USEPA	300(A)	Active	Inorganic Anions by Ion Chromatography	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
USEPA	350.3	Active	Ammonia Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	351.4	Active	Total Kjeldahl Nitrogen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

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WIYOT		Wiyot Tribe (California)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	8015B	Active	Non-Halogenated Organics Using GC/FID	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with Flame Ionization Detector	
USEPA	8082(W)	Active	PCBs as Aroclors by Capillary Column GC	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary GC Electron Capture Detector	
USEPA	8270C(W)	Active	Semivolatile Organic Compounds by CGC/MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Capillary Gas Chromatograph with Mass Spectrophotometer	
USEPA	9050	Active	Specific Conductance	USEPA, 1986, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition., USEPA, EPA 530/SW-846	Conductivity Bridge	
WIYOT	QAPP	Active	Wiyot Quality Assurance Project Plan	QAPP - Wiyot Tribe, 2008, Wiyot Quality Assurance Project Plan, Wiyot Tribe, 1		

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WLBYRAIL

Region 8 Superfund: Welby Rail Yard

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
WLBYRAIL	ILM05	Active	ILM05	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
WLBYRAIL	ILM05.3	Active	ILM05.3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
WLBYRAIL	OLM04	Active	OLM04	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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WNENVDPPT						Wyandotte Nation (Oklahoma)	
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID	
WNENVDPPT	WNENVDP T_AP	Active	WNENVDPPT Analytical Procedures	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			

Field/Lab Analytical Procedures and Equipment Detail

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WREQC Wind River Environmental Quality Commission (Wyoming)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
APHA	2320	Active	Alkalinity in Water by Titration	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Conductivity Bridge	
APHA	2540-C	Active	Total Dissolved Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
APHA	2540-D	Active	Total Suspended Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Laboratory Balance	
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
HACH	8160	Active	Conductivity in Water by Direct Measurement	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Conductivity Meter	
USEPA	200.7(W)	Active	Metals in Water by ICP-AES	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Inductively Coupled Plasma Combined with Mass Spectrophotome	
USEPA	200.9	Active	Metals by Temperature Stabilized GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Temperature Stabilized Graphite Furnace AA Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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WREQC Wind River Environmental Quality Commission (Wyoming)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	206.4	Active	Arsenic by Spectrophotometric Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	245.1	Active	Mercury in Water by CVAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	Cold Vapor Atomic Absorption Spectrophotometer	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	365.2	Active	Phosphorus by Single Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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WSSC		Water Sentinels Sierra Club (Epa Region 7)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
ASTM	D1293(B)	Active	pH of Water By Routine Measurement	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	pH meter	
ASTM	D1889	Active	Turbidity of Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Turbidimeter	
ASTM	D3867(B)	Active	Nitrite-Nitrate by Manual Cd Reduction	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01	Spectrophotometer	
HACH	8038	Active	Ammonia Nitrogen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	
HACH	8156	Active	pH in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	pH meter	
HACH	8157	Active	Dissolved Oxygen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Polarograph	
HACH	8160	Active	Conductivity in Water by Direct Measurement	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Conductivity Meter	
HACH	8190	Active	Total Phosphorus in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	No equipment	
HACH	8229	Active	Dissolved Oxygen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Generic inspection-related equipment(eg color charts)	

Field/Lab Analytical Procedures and Equipment Detail

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WSSC

Water Sentinels Sierra Club (Epa Region 7)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USDOI/USGS	I2600(W)	Active	Phosphorus in Water by Colorimetry	USDOI, USGS, 19--, Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	AutoAnalyzer	
WSSC	TEMP	Active	temperature, water	MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1	Thermometer	
WSSC	WEATHER01	Active	Field Station Visit Weather Observations	MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1	Human Eye	

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WY-DEQ	Wyoming Dept. of Environmental Quality					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Conductivity Bridge	
USEPA	130.1	Active	Total Hardness	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	150.1	Active	pH	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	pH meter	
USEPA	160.1	Active	Filterable Residue - TDS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.2	Active	Non-Filterable Residue - TSS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	160.5	Active	Settleable Matter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
USEPA	180.1	Active	Turbidity by Nephelometry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Nephelometer	
USEPA	213.2	Active	Cadmium by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	215.1	Active	Calcium by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	

Field/Lab Analytical Procedures and Equipment Detail

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WY-DEQ		Wyoming Dept. of Environmental Quality				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	236.1	Active	Iron by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	239.2	Active	Lead by GFAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Graphite Furnace Atomic Absorption Spectrophotometer	
USEPA	243.1	Active	Manganese by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	289.1	Active	Zinc by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotometer	
USEPA	310.1	Active	Alkalinity by Titration	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	325.2	Active	Chloride by Colorimetric Analysis II	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
USEPA	330.5	Active	Chlorine by Spectrophotometry with DPD	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	350.1	Active	Ammonia Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	353.2	Active	Nitrate-Nitrite Nitrogen by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	360.1	Active	Dissolved Oxygen Using an ISE	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Ion Selective Electrode	

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WY-DEQ	Wyoming Dept. of Environmental Quality					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
USEPA	360.2	Active	Dissolved Oxygen by Winkler Technique	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Titration Apparatus	
USEPA	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	375.2	Active	Sulfate in Water by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	405.1	Active	5 Day Biochemical Oxygen Demand	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Generic inspection-related equipment(eg color charts)	
USEPA	410.4	Active	Chemical Oxygen Demand by Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Colorimeter	
USEPA	413.1	Active	Total Recoverable Oil and Grease	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
USEPA	903.1	Active	Radium-226 in Drinking Water	USEPA, 1980, Prescribed Procedures for Measurement of Radioactivity in Drinking Water, USEPA, EPA 600/4-80-032	Alpha Scintillation Detector	
WY-DEQ	403 APHA	Active	Alkalinity	American Public Health Association, 1975, Standard Methods for the Examination of Water and Wastewater., American Public Health Association, Washington D.C., 14TH EDITION 1193pp		
WY-DEQ	BENTHOS	Active	Lab-benthos	Plafkin, J.L., M.T. Barbour, K.D. Porter, S.K. Gross, R.M. Hughes, 1989, Rapid Bioassessment Protocols For Use in Streams and Rivers, USEPA Office of Water, EPA/444/4-89-001		
WY-DEQ	FCB	Active	Fecal Coliform Bacteria EPA Method	United States Environmental Protection Agency, 1978, Microbiological Methods for Monitoring the		

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WY-DEQ

Wyoming Dept. of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Environment , EPA-600/8-78-017, Water and Wastes, Environmental Monitoring and Support Lab, Cincinnati, Ohio, pp. 124-130, 59-90		
WY-DEQ	FLOW	Active	Discharge (Cubic feet per Second)	King, K.W., 1993, A bioassessment method for use in Wyoming stream and river water quality monitoring (Draft)., Wyoming Department of Environmental Quality, Water Quality Division, 84 pages		

Field/Lab Analytical Procedures and Equipment Detail

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YUROKTEP

The Yurok Tribe Environemtal Program (CALIFORNIA)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
YUROKTEP	YUROK	Active	Yurok lab/field procedures	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		