

## Field/Lab Analytical Procedures and Equipment Detail

March 20, 2006 13:58:01

**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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### Clear Creek Superfund

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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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**0800597**

### 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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### 0800597 Ogden Railyard (US EPA Region 8)

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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### 0800597 Ogden Railyard (US EPA Region 8)

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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### 0800597 Ogden Railyard (US EPA Region 8)

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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## 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
			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	

## 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
				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**

### California Gulch (US EPA Region 8)

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	

## 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
			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	

## 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
				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	

## 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
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 --		

## 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
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	ENTEROLE RT	Active	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		
11113300	HACH 10029	Active	m-ColiBlue24	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	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 --		
	<b>Description</b>	SCUFA				
11113300	LLMP-SECCHI	Active	LLMP Secchi Disk Transparency	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11113300	RIVERFLOW	Active	VRAP and RASP method for determining river flow	Bovee, K.D., and R. Milhous, 1978, Hydraulic Simulation in instream flow studies: Theory and Techniques, US Fish and Wildlife Service, Instream Flow Pap #5		
11113300	SECCHI	Active	Determining water	Olem, H. and G. Flock, 1990, Lake and Reservoir		

## 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
			transparency by Secchi Disk	Restoration Guidance Manual, EPA, 2nd edition		
11113300	SECCHI-LLMP	Active	LLMP Secchi Disk Transparency	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
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		
<b>Description</b> 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 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-F	Active	PHOSPHORUS, ORTHOPHOSPHATE AS P	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		

## 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
				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	
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	

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### New Hampshire Dept. of Environmental Services

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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-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)	
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-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	



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### New Hampshire Dept. of Environmental Services

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	
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	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	160.2	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	USEPA, 2002, Method 1600: Enterococci in		

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### New Hampshire Dept. of Environmental Services

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	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	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	
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	

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**New Hampshire Dept. of Environmental Services**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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 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	Graphite Furnace	

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**New Hampshire Dept. of Environmental Services**

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	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	350.3	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	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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### New Hampshire Dept. of Environmental Services

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	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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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		

## Field/Lab Analytical Procedures and Equipment Detail

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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, .		
<b>Description</b> 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, .		
<b>Description</b> 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, .		
<b>Description</b> 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
<b>Description</b> 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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**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
					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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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 Organism 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**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	Filtration Apparatus	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076		
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 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	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					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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 Reagent Colorimetry	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	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	

## 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
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	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	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	

## Field/Lab Analytical Procedures and Equipment Detail

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### 11NPSWRD

### National Park Service

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	CUVA_AKR ON_UNK	Active	Unspecified Procedures for Historical Data	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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	
<b>Description</b> 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)
<b>Description</b> 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	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	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	
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	
<b>Description</b> Using 0.800M EDTA; measured in mg/L CaCO3.						
11NPSWRD	GRBA_KES TREL	Active	Air Temperature Measured with Kestrel	GRBA_0000001 - Gretchen Schenk Baker, 2004, Aquatic Inventory Field Manual, Great Basin National Park, 45 pp	Thermometer	

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**11NPSWRD**

**National Park Service**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<a href="#">Document/Graphic</a>						
11NPSWRD	GRBA_OAK TON_PH	Active	PH Testing using Oakton pH Testr2 and Testr3	GRBA_0000001 - Gretchen Schenk Baker, 2004, Aquatic Inventory Field Manual, Great Basin National Park, 45 pp <a href="#">Document/Graphic</a>	pH meter	
<b>Description</b> 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	GRBA_YSI8 5	Active	YSI 85 DO, Conductivity, Salinity, Temperature Instrument	GRBA_0000003 - Gretchen Schenk, Neal Darby, Bryan Hamilton, 2003, Aquatic Resources Protocols Manual, Great Basin National Park, Great Basin National Park, 76 pp <a href="#">Document/Graphic</a>	YSI Multi Probe Handheld Instrument	
<b>Description</b> DO, conductivity, salinity, and water temperature were measured at the springhead. Water must be at least 6 cm deep. A new DO membrane is installed on the meter at least monthly. The meter was calibrated monthly in the office with a known conductivity solution. Salinity is a calculated based on conductivity.						
11NPSWRD	LEGACY	Active	LEGACY	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	MORR_NP S_ACCDO	Active	Accumet AP84 DO Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	MORR_NP S_ACCPH	Active	Accumet Portable pH Meter Model 640A	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	MORR_NP S_FISSC	Active	Fisher Conductivity Meter Model 152	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	MORR_NP S_HACCL	Active	Hach Chloride Test Kit Model 8P	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
11NPSWRD	MORR_NP S_HACDO	Active	Hach 175 DO Meter	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
11NPSWRD	MORR_NP S_HACSC	Active	Hach 150 Conductivity Meter	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		



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### 11NPSWRD

### National Park Service

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
11NPSWRD	MORR_NP S_HANPH	Active	Hanna pHep1 Pocket-Sized pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	MORR_NP S_LAMPH	Active	LaMotte Colorimetric pH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	MORR_NP S_MYRDS	Active	Myron L Company DS Meter Model 532T2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	MORR_NP S_YSIDO1	Active	YSI DO Meter Model 57	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	MORR_NP S_YSIDO2	Active	YSI DO Meter Model 51B	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	MORR_NP S_YSISC1	Active	YSI S-C-T Meter Model 33	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
11NPSWRD	NPS_CORN ING4	Active	Corning Model 4 Temperature/pH Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	pH meter	
	<b>Description</b>	Digital resolution from Corning 4 to 0.01 pH. CUVA still has the manual.				
11NPSWRD	NPS_HACH 16046	Active	Hach Portable Dissolved Oxygen Meter Model 16046	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Polarograph	
	<b>Description</b>	Dissolved oxygen meter.				
11NPSWRD	NPS_HACH 2100P	Active	Hach 2100P Portable Turbidimeter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Turbidimeter	USEPA/180.1
	<b>Description</b>	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				
11NPSWRD	NPS_PRIC ETYPEAA	Active	Price Pygmy Type AA Current Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
11NPSWRD	NPS_TURN	Active	Turner Model 40-100	Unknown, 19--, No Cite - Method Not Cited,	Nephelometer	

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**11NPSWRD**

**National Park Service**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	40-100		Nephelometer	Unknown, Vol --		
11NPSWRD	NPS_YSI33 S-C-T	Active	YSI Model 33 Salinity-Conductivity-Temperature Meter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	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

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_YSI55 6MPS	Active	YSI 556 Multiprobe System	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	YSI Multi Probe Handheld Instrument	
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**Description** Conductivity

Sensor Type: 4-electrode cell with autoranging  
Range: 0 to 200 mS/cm

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**11NPSWRD**

**National Park Service**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Accuracy: +/- 1% of reading or +/- 0.001 mS/cm, whichever is greater Resolution: 0.001 mS/cm to 0.1 mS/cm (range-dependent)  pH  Sensor Type: Glass combination electrode Range: 0 to 14 units Accuracy: +/- 0.2 units Resolution: 0.01 units  Temperature  Sensor Type: YSI Temperature Precision thermistor Range: -5 to 45 C Accuracy: +/- 0.15C Resolution: 0.1C  Dissolved Oxygen  Sensor Type: Stead state polarographic Range: 0 to 50 mg/L Accuracy: 0 to 20 mg/L, +/- 2% of the reading or +/-0.2mg/L, whichever is greater Resolution: 0.01 mg/L		
11NPSWRD	NPS_YSID OUNKNOW	Active	YSI DO Meter (Unknown Model)	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	
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	220.1	Active	Copper by FLAA	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Flame Atomic Absorption Spectrophotomet	

## Field/Lab Analytical Procedures and Equipment Detail

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**11NPSWRD**

**National Park Service**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
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	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	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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11TOX09

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

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

## Field/Lab Analytical Procedures and Equipment Detail

March 20, 2006 13:58:01

### 1VTDECWQ

### Vermont Dept of Environmental Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
1VTDECWQ	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		
1VTDECWQ	VTDEC-101	Active	Total Nitrogen In Water using Persulfate Method	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
<b>Description</b> Method 4500-N C. Persulfate Method						
1VTDECWQ	VTDEC-102	Active	Secchi Transparency	VTDEC-02 - Vermont Department of Environmental Conservation, 1989, Field Methods Manual, Vermont Department of Environmental Conservation, entire manual		
<b>Description</b> Method 1.2						
1VTDECWQ	VTDEC-103	Active	Minisonde Probe	VTDEC-03 - Hydrolab Corp, 2002, Minisonde Series 4a User Manual, Hydrolab Corp, 278 pp		
<b>Description</b> Field measurement by Hydrolab Minisonde Series 4a						
1VTDECWQ	VTDEC-104	Active	Bottom Depth	VTDEC-02 - Vermont Department of Environmental Conservation, 1989, Field Methods Manual, Vermont Department of Environmental Conservation, entire manual		
<b>Description</b> Depth to bottom, measured using a Secchi disk						
1VTDECWQ	VTDEC-105	Active	Gran Alkalinity in Water	VTDEC-05 - Pfeiffer, Martin and P.J. Festa, 1980, Acidity status of lakes in the Adirondack Region of New York in relation to fish resource., NYDEC, -		
1VTDECWQ	VTDEC-106	Active	Temperature by Probe	VTDEC-02 - Vermont Department of Environmental Conservation, 1989, Field Methods Manual, Vermont Department of Environmental Conservation, entire manual		
<b>Description</b> Temperature measured using a YSI Thermister and prob						
1VTDECWQ	VTDEC-107	Active	Total Nitrogen in Water by	VTDEC-01 - Ameal, J.J et al., 1993, Persulfate		

## Field/Lab Analytical Procedures and Equipment Detail

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1VTDECWQ

Vermont Dept of Environmental Conservation

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Persulfate Digestion	digestion of total nitrogen and phosphorus in low-nutrient waters., American Environmental Lab, 10:1, 8-11		
1VTDECWQ	VTDEC-108	Active	Color by Spectrophotometry	VTDEC-07 - Black, A.P. and R.F. Christman, 1963, Characteristics of colored surface waters., Journal AWWA, June		
	<b>Description</b>	Color measured using a spectrophotometer				
1VTDECWQ	VTDEC-109	Active	Dissovled Organic Carbon	USEPA, 1987, Handbook of Methods for Acid Deposition Studies: Laboratory Analysis for Surface Water Chemistry., USEPA, EPA 600/4-87-026		
	<b>Description</b>	Dissovled organic carbon				
1VTDECWQ	VTDEC-110	Active	pH - Air Equilibrated	USEPA, 1987, Handbook of Methods for Acid Deposition Studies: Laboratory Analysis for Surface Water Chemistry., USEPA, EPA 600/4-87-026		
	<b>Description</b>	pH measured after Air Equilibration using bubbled CO2 gas.				
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-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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1VTDECWQ

Vermont Dept of Environmental Conservation

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	
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-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-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	
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	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		Active	Metals in Water by ICP-AES			



## Field/Lab Analytical Procedures and Equipment Detail

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**1VTDECWQ**

**Vermont Dept of Environmental Conservation**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	200.7(W)			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	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	

## Field/Lab Analytical Procedures and Equipment Detail

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**1VTDECWQ**

**Vermont Dept of Environmental Conservation**

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	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	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	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	415.2	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 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	

## Field/Lab Analytical Procedures and Equipment Detail

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**1VTDECWQ**

**Vermont Dept of Environmental Conservation**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	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	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	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	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	

## 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
211WVOWR	NITROSUM	Active	Sum of NO3NO2 and TKN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		Sum of Nitrate+Nitrite and Kjeldahl Nitrogen				
211WVOWR	UNAMM1	Active	Calculate un-Ionized Ammonia	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		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 --		
<b>Description</b>		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	

## 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
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	

## 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
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)	

## 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
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	

## 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
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	



## 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
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			

## 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
				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	

## 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
					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	

## Field/Lab Analytical Procedures and Equipment Detail

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**Division of Water and Waste Management**

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	

## Field/Lab Analytical Procedures and Equipment Detail

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**Division of Water and Waste Management**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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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### Division of Water and Waste Management

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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### Division of Water and Waste Management

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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### Division of Water and Waste Management

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 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	
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	

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**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	

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**21ALBCH**

**Alabama Department of Environmental Management**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	ADEM-002	Active	Enterococcus	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/1106.1
	PH	Active	pH in Water	ADEM-SOP-I - ADEM, 2000, ADEM SOPQCA Manual Volume 1 - Physical Chemical, ADEM, Vol 1		
	TURBIDITY	Active	Turbidity in Water	ADEM-SOP-I - ADEM, 2000, ADEM SOPQCA Manual Volume 1 - Physical Chemical, ADEM, Vol 1		

## 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		
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 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	

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**21AQ**

**Commonwealth Northern Mariana Islands**

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	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						Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
21ARIZ	BLS-256	Active	BLS-256	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	CALCULATI ON	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 120.1	Active	SPECIFIC CONDUCTIVITY	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 130.2	Active	TOTAL HARDNESS	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 150.1	Active	PH LAB	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 160.1	Active	TOTAL FILTRATABLE RESIDUE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 160.2	Active	TOTAL NONFILTERABLE RESIDUE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 160.4	Active	TOTAL RESIDUE	ARIZONA STATE LABORTORY METHODS AND		

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### 21ARIZ Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 180.1	Active	NTU TURBIDITY	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 200.7	Active	METALS	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		

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### 21ARIZ 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	EPA 200.7/273.1	Active	TOTAL SODIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
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 200.8	Active	METALS	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 200.9	Active	TOTAL ANTIMONY, ARSENIC, AND SELENIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 202.1	Active	TOTAL ALUMINUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 204.2	Active	TOTAL ANTIMONY	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 206.2	Active	TOTAL ARSENIC	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 210.2	Active	TOTAL BERYLLIUM	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 213.2	Active	TOTAL CADMIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 218.2	Active	CHROMIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 220.2	Active	TOTAL COPPER	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 2340 B	Active	STANDARD METHOD 2340 B	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 239.2	Active	TOTAL LEAD	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 245.1	Active	TOTAL MERCURY	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 246.2	Active	TOTAL MOLYBDENUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 249.1	Active	TOTAL NICKEL	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 2540 C	Active	TOTAL DISSOLVED SOLID DRIED AT 180 DEGREES CENTRIGARDE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 258.1	Active	TOTAL POTASSIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 270.2	Active	TOTAL SELENIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 272.2	Active	TOTAL SILVER	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 279.2	Active	TOTAL THALLIUM	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 289.1	Active	TOTAL ZINC	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 300.0	Active	EPA 300.0 METHOD	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 310.1	Active	ALKALINITY, TOTAL & PHENOPHTHALEN	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 325.2	Active	EPA 325.2	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 325.3	Active	EPA 325.3	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 335.2	Active	CYANIDE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 340.2	Active	TOTAL FLUORIDE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 350.1	Active	NITorgen, AMMONIA, TOTAL (AS N)	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 350.2	Active	EPA 350.2	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 350.3	Active	AMMONIA TOTAL	ARIZONA STATE LABORTORY METHODS AND		

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### 21ARIZ Arizona Department of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 351.2	Active	TOTAL KJELDAHL NITROGEN (AS N)	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 353.2	Active	NITRITE PLUS NITRATE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 353.3	Active	EPA 353.3	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	Active	TOTAL PHOSPHORUS	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 365.4	Active	TOTAL PHOSPHORUS	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 375.2	Active	TOTAL SULFATE	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER		

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### 21ARIZ 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	EPA 405.1	Active	EPA 405.1	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 415.1	Active	EPA 415.1	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
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 6010B	Active	EPA 6010B	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 602	Active	VOLATILES	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	EPA 7471A	Active	EPA 7471A	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		

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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	SM 10200 H	Active	STANDARD METHOD FOR 10200 H	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 2320 B	Active	STANDARD METHOD 2320 B	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 2510 B	Active	SM 2510 B	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 3112 B	Active	STANDARD MEHTOD COLDE VAPOR ATOMIC ABSORPTION SPECTRO METRIC	ARIZONA STATE LABORTORY METHODS AND 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 CL D	Active	STANDARD METHOD 4500 FOR CHLORIDE	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	SM 4500 F-C	Active	STANDARD MEHTOD 4500 FOR FLUORIDE NON ELECTRODE METHOD	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500 NO2-B	Active	STANDARD MEHTOD 4500 NO2-B	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 4500CL D	Active	SM 4500CL 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 QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		
21ARIZ	SM 4500NO3 E	Active	STANDARD METHOD 4500NO3 E	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	STD METH 407C	Active	TOTAL CHLORIDE WATER	ARIZONA STATE LABORTORY METHODS AND PROCESURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORTORY, UNKNOWN		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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		



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**21ARIZGW**

**Arizona Department of Environmental Quality**

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	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 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		

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**21ARIZGW**

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
	<b>Description</b>		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		
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		

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**21ARIZGW**

**Arizona Department of Environmental Quality**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	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	ARIZONA STATE LABORATORY METHODS		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			HAVASU	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 CHLORO P	Active	(DDT, DDE DDD) PARAMETERS DETECTED/IDENTIFIED	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER 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		

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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 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 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		

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**Arizona Department of Environmental Quality**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				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		
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		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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		
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		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	Active	TOTAL COPPER	ARIZONA STATE LABORATORY METHODS		



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	220.1/220.2			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 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		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				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 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		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				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		
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		

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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		
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		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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, TOTAL (AS N)	ARIZONA STATE LABORATORY METHODS 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		

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				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 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		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				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		
21ARIZGW	EPA 376.1	Active	EPA 376.1	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				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		
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		



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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 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		

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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 601/8010	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		

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				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 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		

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				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 HYDROCARBONS, 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		
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 NP, 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		

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				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		
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 7060A	Active	EPA 7060A	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		

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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 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 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		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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 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		

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				AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE 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 8141A	Active	EPA 8141A-ORGANOPHOSPHORUS PESTICIDES	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE LABORATORY, UNKNOWN		
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		



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				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		
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 8270C	Active	SEMI-VOLATILE ORGANICS BY GC/MS	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER QUALITY DATABASE, ARIZONA STATE		

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				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 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		

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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	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		

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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 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	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		
21ARIZGW	MOD. EPA	Active	VOLATILE FUEL	ARIZONA STATE LABORATORY METHODS		

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	8015		HYDROCARBONS (MOD. EPA 8015)	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		
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		

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				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 LABORATORY METHOD	ARIZONA STATE LABORATORY METHODS 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		

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				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 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		

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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 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		



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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-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		
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 5310 C	Active	STANDARD METHOD 5310	ARIZONA STATE LABORATORY METHODS		

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			C	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 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 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 THE EXAMINATION OF	ARIZONA STATE LABORATORY METHODS AND PROCEDURES, UNKN, ADEQ WATER		

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**21ARIZGW**

**Arizona Department of Environmental Quality**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			WATER AND	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 QUALITY DATABASE, ARIZONA STATE		

## Field/Lab Analytical Procedures and Equipment Detail

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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	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		

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	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		
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	USEPA, 2002, Method 1600: Enterococci in		

## Field/Lab Analytical Procedures and Equipment Detail

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21CABCH

Calif State Water Resources Control Board

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Membrane Filtration Using membrane-Enterococcus Indoxyl-B-D-Glucoside Agar (mEI)	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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### 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 --		
	<b>Description</b>		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	



## Field/Lab Analytical Procedures and Equipment Detail

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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	

## 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
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	HISTORIC	Active	Historic Procedure Used for Unknown Legacy Methods	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
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)
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		
<b>Description</b> Bioassessment procedures for streams						
21COL001	UNIONIZED -NH3	Active	Unionized Ammonia calculated from pH, Temperature and Total Ammonia	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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	American Public Health Association, 1992,	Spectrophotomet	

## 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
			Determination	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	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	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	2550	Active	Temperature of Water by Thermometer	American Public Health Association, 1992, Standard Methods for the Examination of Water	Thermometer	

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**21COL001**

**Colorado Dept. of Public Health & Environment**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
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	
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	Spectrophotometer	

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**Colorado Dept. of Public Health & Environment**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
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		
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	

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**Colorado Dept. of Public Health & Environment**

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	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	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	

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**Colorado Dept. of Public Health & Environment**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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,	Temperature Stabilized	

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**Colorado Dept. of Public Health & Environment**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600-R-94-111	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 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	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	



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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	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 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	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)	

## Field/Lab Analytical Procedures and Equipment Detail

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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,		

## Field/Lab Analytical Procedures and Equipment Detail

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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		

## Field/Lab Analytical Procedures and Equipment Detail

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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
				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		

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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

## Field/Lab Analytical Procedures and Equipment Detail

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21FLA FL Dept. of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLA	310.1	Active	Alkalinity	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020		
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		
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	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	

## Field/Lab Analytical Procedures and Equipment Detail

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21FLA	FL Dept. of Environmental Protection					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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	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	



## Field/Lab Analytical Procedures and Equipment Detail

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21FLA	FL Dept. of Environmental Protection					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
					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	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	

## Field/Lab Analytical Procedures and Equipment Detail

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21FLA FL Dept. of Environmental Protection						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	
21FLA	100300 D.1	Susp	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	Susp	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	360.1	Susp	Dissolved Oxygen Probe	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	STD Vertical Profiler - Multi Probe	

## 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
21FLACEP	NTOT	Active	Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	351.2+353.2				
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 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	

## 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
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	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	200.8(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	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	USEPA, 1993, Methods for the Determination of	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
			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	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	375.4	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	

## 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	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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	LAB1	Environmental Protection, 1980, Bower and Holm-Hansen, Can. J. Fish, Aquat. Sci, USEPA, EPA-37-pp-794-798		
21FLANER	ANERR-LAB2	Active	LAB2	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	LAB3	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLANER	ANERR-LAB4	Active	LAB4	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLANER	ANERR-LAB5	Active	LAB5	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLANER	ANERR-LAB6	Active	LAB6	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLANER	ANERR-LAB7	Active	LAB7	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				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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	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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### 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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	
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	

## 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
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	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	

## 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
				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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	



## Field/Lab Analytical Procedures and Equipment Detail

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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 --		

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	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-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	Conductivity Bridge	

## Field/Lab Analytical Procedures and Equipment Detail

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**21FLCEN**

**Florida 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	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	110.2	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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**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	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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**21FLCEN**

**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	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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	SM 10200H	Active	Standard Methods Analysis for Chlorophyll a, Uncorrected for pheophytin	American Public Health Association, 1984, Laboratory Procedures for the Examination of 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 --		
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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21FLCMP	FL Dept. of Environmental Protection					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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	



## Field/Lab Analytical Procedures and Equipment Detail

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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		

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	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	
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	Colorimeter	

## Field/Lab Analytical Procedures and Equipment Detail

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21FLCPSL

City of Port St. Lucie (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

## Field/Lab Analytical Procedures and Equipment Detail

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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	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	
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	

## 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
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	
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	

## 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
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 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	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	American Public Health Association, 1992,	Titration	

## 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
			Demand/Requirement of Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	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	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	
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	



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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	
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-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	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	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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-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	Colorimeter	

## 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
				Association, Vol --		
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	
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	Hydride Atomic Absorption	

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### Dade Environmental 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	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 Health Association, 18th Edition	Inductively Coupled Plasma Combined with 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,	Inductively	

## 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
				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-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 AutoAnalyzer	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	AutoAnalyzer	
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,	Inductively	

## 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
				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(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, 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-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	

## 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
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	
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	Spectrophotometer	

## 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
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
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 Health Association, 18th Edition	Flame Atomic Absorption Spectrophotometer	
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 Spectrophotometer	
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	Inductively Coupled Plasma	



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**Dade Environmental 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	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 and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Cold Vapor 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-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	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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-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	
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	

## 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
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 Spectrophotome	
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 Health Association, 18th Edition	Inductively Coupled Plasma Combined with Mass Spectrophotome	
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 Spectrophotome	
APHA	3500-PB(D)	Active	Lead in Water by Spectrophotometry	American Public Health Association, 1992, Standard Methods for the Examination of Water	Spectrophotometer	

## Field/Lab Analytical Procedures and Equipment Detail

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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-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 Spectrophotome	
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(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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 Spectrophotometer	
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-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 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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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	

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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	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-	Active	Chlorine Dioxide in Water by	American Public Health Association, 1992,	Titration	



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	CLO(B)		Titration- Iodometric Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Apparatus	
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-	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					related equipment(eg color charts)	
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-	Active	Carbon Dioxide in Water by	American Public Health Association, 1992,	Titration	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	CO2(C)		Titration	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Apparatus	
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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 Health Association, 18th Edition	Spectrophotometer	
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-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	
APHA	4500-	Active	Total Kjeldahl Nitrogen in	Unknown, 19--, No Cite - Method Not Cited,	Generic	

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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-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	
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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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	
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-	American Public Health Association, 1992,	Ion Selective	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Selective Electrode Method	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	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-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	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	
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-	Active	Sulfite in Water by	American Public Health Association, 1992,	Colorimeter	



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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	SO3(C)		Colorimetry	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
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	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	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	
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	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	American Public Health Association, 1992,	Infrared	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Spectroscopy	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	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	
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	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	pH meter	

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**Dade Environmental 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		
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	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	High Performance Liquid	

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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	Chromatograph	
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-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	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 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	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	
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-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	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	
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	American Public Health Association, 1992,	Optical	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			histolytica in Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	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 Methods, 4th Edition., National Institute for Occupational Safety and Health, 4th Edition	Gas Chromatograph	
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	101	Active	Gaseous Mercury in Air by CVAA	USEPA, 1993, Test Methods for Air, USEPA, 40CFR61_B	Cold Vapor Atomic Absorption 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	



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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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 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, 40CFR61_B	No equipment	
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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	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	

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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	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(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	
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	Cold Vapor Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				1990, USEPA, EAD_METHODS	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 Spectrophotometer	
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	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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	
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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 1990, USEPA, EAD_METHODS	Laboratory Balance	
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	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	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	

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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	1666	Active	VOCs by Isotope Dilution GC/MS	USEPA, 1994, Pharmaceutical Ind. Pollutants, USEPA, EPA 821/B-94-001	GC with Low Resolution Mass Spectrophotometer	
USEPA	1667	Active	Aldehydes by Derivatization and HPLC	USEPA, 1994, Pharmaceutical Ind. Pollutants, USEPA, EPA 821/B-94-001	High Performance 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	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	



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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 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	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	
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 Spectrophotomet	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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 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	
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	Active	Mercury in Industrial Wastes	USEPA, 19--, CLP SOW for Inorganics Analysis-	Cold Vapor	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	G)		by CVAA	IHC01_3, USEPA, IHC01_3	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	
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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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-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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	
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	USEPA, 1983, Methods for Chemical Analysis of	Colorimeter	

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

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	
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	



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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
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	
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	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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-ILM03_0, USEPA, ILM03_0	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	236.2_M	Active	Iron by GFAA	USEPA, 19--., CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0	Graphite Furnace Atomic Absorption	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	
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-	Flame Atomic	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				ILM03_0, USEPA, ILM03_0	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	
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	High	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Metals in Environmental Samples, USEPA, EPA 600/4-91-010	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	
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	

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**21FLDADE**

**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
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 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	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	Graphite Furnace	



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**Dade Environmental Resource Management (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	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 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	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
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	
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	Graphite Furnace	

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**Dade Environmental Resource Management (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	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 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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
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	
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	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	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	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	USEPA, 1993, EPA Contract Laboratory Program	AutoAnalyzer	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Colorimetry	Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP		
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	
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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	
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	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	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	USEPA, 1993, Methods for the Determination of	Colorimeter	



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### Dade Environmental Resource Management (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_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 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	365.3	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	

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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	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	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	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	410.3	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	

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### Dade Environmental Resource Management (Florida)

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	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	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	Elemental Analyzer	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Environmental Samples, USEPA, MARINE_METHODS		
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	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	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	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 Water by GC	USEPA, 19--., Individually Published Methods for the Determination of Pollutants in Water., USEPA, WASTEWATER_1	Capillary GC 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	USEPA, 1991, Methods for the Determination of	Capillary GC	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Organohalide	Organic Compounds in Drinking Water, USEPA, EPA 600/4-91-039	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, EPA 600/4-91-039	GC with Electrolytic 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	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 Pressure in Waste	USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	Flame Ionization 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	USEPA, 1992, Methods for the Determination of	Capillary Gas	

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**Dade Environmental Resource Management (Florida)**

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	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	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	



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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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 Detector	
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 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 Detector	
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 Detector	
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	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	
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	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	USEPA, 1998, Test Methods for Evaluating Solid	Inductively	

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### Dade Environmental Resource Management (Florida)

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	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	
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 Detector	
USEPA	605	Active	Benzidines in Wastewater by HPLC	USEPA, 19--, Guidelines Establishing Test Procedures for the Analysis of Pollutants.,	High Performance	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, 40 CFR Part 136	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	
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	610	Active	Polynuclear Aromatic	USEPA, 19--., Guidelines Establishing Test	High	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Hydrocarbons by GC	Procedures for the Analysis of Pollutants., USEPA, 40 CFR Part 136	Performance Liquid Chromatograph with Fluorescence Detector	
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 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	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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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., USEPA, WASTEWATER_1	Thin Layer Chromatograph	
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.,	GC with Low Resolution Mass	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, WASTEWATER_1	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	
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	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	631	Active	Benomyl and Carbendazim in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and	High Performance	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	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, EPA 821/R-93-010A	GC with Nitrogen-Phosphorus 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	



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	
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	7000A(FLAA)	Active	Atomic Absorption - FLAA	USEPA, 1992, 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 I., USEPA, SW-846_I	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	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	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 Edition, Final Update II., USEPA, SW-846_II	Flame Atomic Absorption 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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	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	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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	7460	Active	Manganese 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	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
					er	
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	Flame Atomic Absorption	



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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	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	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	Graphite Furnace	

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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	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	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	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	
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	USEPA, 1994, Test Methods for Evaluating Solid	GC with	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			by GC	Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	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 Chromatography	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	GC with 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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 Edition, Final Update I., USEPA, SW-846_I	GC with Nitrogen-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	USEPA, 1994, Test Methods for Evaluating Solid	Capillary GC	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			and PCBs	Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	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(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	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	USEPA, 1998, Test Methods for Evaluating Solid	Capillary GC	

## Field/Lab Analytical Procedures and Equipment Detail

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### 21FLDADE

### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Ketones	Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	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	
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	

## Field/Lab Analytical Procedures and Equipment Detail

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### 21FLDADE

### Dade Environmental Resource Management (Florida)

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	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 Edition, Final Update II., USEPA, SW-846_II	Capillary GC Electron Capture 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	GC with Low Resolution Mass	

## Field/Lab Analytical Procedures and Equipment Detail

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### 21FLDADE

### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update II., USEPA, SW-846_II	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	
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	No equipment	



## 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
				Edition, Final Update II., USEPA, SW-846_II		
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 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(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	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
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	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 Edition, Final Update II., USEPA, SW-846_II	High Performance 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	USEPA, 1994, Test Methods for Evaluating Solid	High	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			HPLC	Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	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 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(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	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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 Spectrophotometer	
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	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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 in Water	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	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	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	

## 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
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	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	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	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	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	

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### Dade Environmental Resource Management (Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	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	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	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., USEPA, EPA 530/SW-846	Spectrophotometer	

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**Dade Environmental Resource Management (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update II., USEPA, SW-846_II		
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	
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	



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Dade Environmental Resource Management (Florida)

Procedure  
Source

Procedure  
ID

Status

Procedure  
Name

Citation

Equipment

Comparable  
National  
Procedure ID

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21FLDOH

### 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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### 21FLEECO

### 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	COLOR	Active	Color at 654nm	SFWMD, 199?, South Florida Water Managent District Laboratory SOPs, South Florida Water Managment District, unknown		
21FLEECO	ELEVATION	Active	Water Surface Elevation	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	TOTAL NITROGEN	Active	Nitrogen, Total (TKN+NOx)	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	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	Conductivity Bridge	

## Field/Lab Analytical Procedures and Equipment Detail

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**21FLEECO**

**Lee County (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				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	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-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	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	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	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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**21FLEECO**

**Lee County (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	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	

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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	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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**21FLEECO**

**Lee County (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	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, 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	Flame Atomic	

## Field/Lab Analytical Procedures and Equipment Detail

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**21FLEECO**

**Lee County (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	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	
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	



## Field/Lab Analytical Procedures and Equipment Detail

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**21FLEECO**

**Lee County (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	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	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)	

## Field/Lab Analytical Procedures and Equipment Detail

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**21FLEECO**

**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	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	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	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	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	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	

## Field/Lab Analytical Procedures and Equipment Detail

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**21FLERDI**

**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	

## Field/Lab Analytical Procedures and Equipment Detail

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21FLERDI

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	

## Field/Lab Analytical Procedures and Equipment Detail

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### 21FLFMRI

### 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	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 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	USEPA, 1993, Methods for the Determination of	Colorimeter	

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**21FLFMRI**

**Florida Fish & Wildlife C C / Marine Research Institute**

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	353.4	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 Environmental Samples, USEPA, MARINE_METHODS	Fluorometer	
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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	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 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	

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**21FLFMRI**

**Florida Fish & Wildlife C C / Marine Research Institute**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 Dete	
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	
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	



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**21FLFMRI**

**Florida Fish & Wildlife C C / Marine Research Institute**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	
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	USEPA, 1998, Test Methods for Evaluating Solid	Thermal	

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21FLFMRI

Florida Fish & Wildlife C C / Marine Research Institute

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Soils/Wastes: TE/GC/MS	Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Chromatography with Mass Spectrophotometer	

## Field/Lab Analytical Procedures and Equipment Detail

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### 21FLFTM

### Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21FLFTM	DEPSOP 001/01	Active	DEP Field Analytical Procedures	FDEP Central Lab, 1999, FDEP SOP1, FDEP Central Lab, 1-1000		
21FLFTM	EPA 600	Active	EPA 600/9-78-018 (mod.) - AGP Analysis	FDEP Central Lab, 1999, FDEP SOP1, FDEP Central Lab, 1-1000		
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, Unknown, Vol --		
21FLFTM	SOP-AB03_1	Active	Phytoplankton-Quantitative-#Diatom Taxa	FDEP Central Lab, 1999, FDEP SOP1, FDEP Central Lab, 1-1000		
21FLFTM	SOP-AB04	Active	Phytoplankton-Quantitative-# Wet Taxa	FDEP Central Lab, 1999, FDEP SOP1, FDEP Central Lab, 1-1000		
21FLFTM	SOP-AB05	Active	DEP Phytoplankton (Diatom) Analysis Procedure	FDEP Central Lab, 1999, FDEP SOP1, FDEP Central Lab, 1-1000		
21FLFTM	SOP-BB15_5	Active	DEP Sediment Analysis Procedure	FDEP Central Lab, 1999, FDEP SOP1, FDEP Central Lab, 1-1000		
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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**21FLFTM**

**Florida Department of Environmental Protection**

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	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-(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	American Public Health Association, 1992,	Ion Selective	

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**Florida Department of Environmental Protection**

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)	
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	
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	

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**Florida Department of Environmental Protection**

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	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(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	202.1	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	Flame Atomic	

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**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	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 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	

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### Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	365.4	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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**Florida Department of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	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	

## Field/Lab Analytical Procedures and Equipment Detail

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**21FLGAEP**

**Georgia Environmental Protection Division**

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	

## Field/Lab Analytical Procedures and Equipment Detail

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### 21FLGAEP

### Georgia Environmental Protection Division

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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### 21FLGAEP

### Georgia Environmental Protection 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	365.1	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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

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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	



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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	

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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	

## 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
21FLGPC	FT 1100	Active	Field measurement of Hydrogen Ion Activity (pH)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		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 --		
<b>Description</b>		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 --		
<b>Description</b>		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 --		
<b>Description</b>		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 <sub>4</sub> (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
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	
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	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	NU-076-1	Active	PERCENT CARBON IN	Laura Morse, 2000, Florida Ambient Monitoring		

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21FLGW		FL Dept. of Environmental Protection				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			SOLID MATRICES	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 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	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	



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21FLGW		FL Dept. of Environmental Protection				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	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	
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	

## 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	
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	
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	8270C(S)	Active	Semivolatile Organic	USEPA, 1998, Test Methods for Evaluating Solid	Capillary Gas	

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**21FLGW**

**FL Dept. of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Compounds by CGC/MS	Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III	Chromatograph with Mass Spectrophotometer	
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	

## 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
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	DEPTHDP	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	

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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	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	

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**21FLHILL**

**Hillsborough County Environmental (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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, USEPA, EPA 600-R-94-111	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	



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**21FLHILL**

**Hillsborough County Environmental (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	
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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### 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	

## 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
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	
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

March 20, 2006 13:58:01

**21FLJXWQ**

**City of Jacksonville**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
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 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	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	

## 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	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

## 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
				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
	<b>Description</b>		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 <sub>3</sub>	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 <sub>3</sub>	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)

## 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
				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	SM3511BKB	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

## 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
				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	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		
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-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	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	Colorimeter	

## 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
				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	
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	160.2_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	



## 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	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	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	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	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	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotomet	

## 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
			Reagent Colorimetry	Water and Wastes, USEPA, EPA 600/4-79-020	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	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	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	

## 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
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	

## 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
			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	

## Field/Lab Analytical Procedures and Equipment Detail

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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 Fluorometry	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Fluorometer	
	<b>Description</b>	EPA 445 Fluorometric				
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
	<b>Description</b>	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
	<b>Description</b>	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		
	<b>Description</b>	SM 2120 B				
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	
	<b>Description</b>	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	
	<b>Description</b>	SM 4500-F-C				

## 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	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
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
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
21FLMANA	ORTHO P	Active	Ortho-Phosphorus	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	Spectrophotometer	
	<b>Description</b>	SM 4500 PE				
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
	<b>Description</b>	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	
	<b>Description</b>	SM 9222				
21FLMANA	TDS	Active	Total Dissolved Solids	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1		APHA/2540-C
21FLMANA	TKN	Active	Total Kjeldal Nitrogen	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	AutoAnalyzer	
	<b>Description</b>	EPA 351.2				



## 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	TP	Active	Total Phosphorus	Greg Blanchard, 2002, General Listing of Field and Laboratory Analytical Procedures for Manatee County, Manatee County, 1	AutoAnalyzer	
<b>Description</b>		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
<b>Description</b>		SM 2130 B				
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 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	American Public Health Association, 1992,	Laboratory	

## 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
			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	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	
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	Optical Microscope	

## 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
				and Wastewater, 18th Edition., American Public 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	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-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,	Fluorometer	

## 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

MARINE\_METHODS

## 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
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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### 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)	



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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	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	

## 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
			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	

## 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
					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	EPA210.2	Active	Beryllium	USEPA, 1997, EPA Methods and Guidance for the Analysis of Water., USEPA, EPA 821/C-97-		

## 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
				001		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
21FLORAN	EPA351.2	Active	TKN	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	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 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		

## 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., 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	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	
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	

## 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	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	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	

## 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
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	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	
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	

## 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
			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	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	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 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)	



## 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
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	9132	Susp	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	

## 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
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	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	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 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	

## 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	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	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	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	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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21FLORL

Orlando Streets Drainage Stormwater Utility Bureau(Florida)

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	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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### 21FLPBCH

### Palm Beach County Environmental Resources Managemnt(Florida)

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	Colorimeter	

## Field/Lab Analytical Procedures and Equipment Detail

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**Palm Beach County Environmental Resources Managemnt(Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Seawater and Shellfish, American Public Health Association, Vol --		
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 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	
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	200.8(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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	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	

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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	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	



## 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	PROJCOAS T2002	Active	Project Coast Field and Lab Analytical Procedures	Frazer, T.K., S.K. Notestein, J.A. Hale, M.V. Hoyer, D.E. Canfield, Jr., S.B. Blitch and C. Bedee, 2003, Water Quality Characteristics of the Nearshore Gulf Coast Waters Adjacent to Citrus, Hernando and Levy Counties, Southwest Florida Water Management District, Brooksville, Florida, Methods Section		

## 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		

## 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	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	

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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		

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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	



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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	STANDMET H	Active	Standard Methods for the Examination of Water and	American Public Health Association, 1992, Standard Methods for the Examination of Water		

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### Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Wastewater	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	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	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,	Ion Chromatograph	

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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	365.3	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	Capillary GC Electron Capture	

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**21FLPNS**

**Florida Department of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Edition, Final Update II., USEPA, SW-846_II	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	FT 1600	Active	Turbidity in Field	Polk County, 1984, YSI, Polk County, 1		

## 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	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 Health Association, 18th Edition	Titration Apparatus	
APHA	2510	Active	Conductivity in Water	American Public Health Association, 1992,	Conductivity	

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**21FLPOLK**

**Polk County Water Resources (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	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	
APHA	3113-B	Active	Metals in Water by GFAA	American Public Health Association, 1992, Standard Methods for the Examination of Water	Graphite Furnace Atomic	



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**21FLPOLK**

**Polk County Water Resources (Florida)**

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-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	
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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**21FLPOLK**

**Polk County Water Resources (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	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	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	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	No equipment	

## 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
				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	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	

## 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
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		

## 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
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	160.2	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	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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**21FLRCID**

### Reedy Creek Improvement District - Env Services (FLORIDA)

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(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	
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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**21FLRCID**

**Reedy Creek Improvement District - Env Services (FLORIDA)**

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	
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	SOP-2	Active	Standard Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		



## Field/Lab Analytical Procedures and Equipment Detail

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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 --		

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	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 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	
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 Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
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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**21FLSEM**

**Seminole 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	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 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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**21FLSEM**

**Seminole County (Florida)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Spectrophotometer	
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		



## 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	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	

## 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
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	

## 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
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-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	
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	

## 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
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	
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	Inductively	

## 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
				Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111	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	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 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	220.2	Active	Copper 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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**21FLSJWM**

**St. Johns Water Management District**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	
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	

## 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
					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	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 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	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	

## 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
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 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	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-	



## 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
					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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### 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	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, 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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**Southwest Florida Water Management District**

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-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 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	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of	Conductivity	



## 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
				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	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 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	

## 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
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
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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### 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 --		
<b>Description</b> 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	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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### 21FLTPA

### Florida Department of Environmental Protection

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	160.1	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(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	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	

## 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	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	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

### Volusa 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	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	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		
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		

## 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
				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	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	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	



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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	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	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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### 21FLWPB

### Florida Department of Environmental Protection

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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### 21FLWPB

### Florida Department of Environmental Protection

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

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 - NBOD5 - NITROGENOUS BOD	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	5210B.4E6	Active	STANDARD METHODS - CBOD - CARBONACEOUS BOD	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
21FLWPB	5210B1	Active	STANDARD METHODS - BOD5 TOTAL	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	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	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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### 21FLWPB

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Capillary Cloumn GC			
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 9222B - TOTAL COLIFORMS MEMBRANE	American Public Health Association, 1998, 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	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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### Florida Department of Environmental Protection

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Block Digester AAll			
21FLWPB	DEP-SED-SOP-023	Active	Turbidity	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21FLWPB	DEPSOP-GC-011-5	Active	Organochlorine pesticides and PCB's in water matrices by GC/ECD	Unknown, 19--, No Cite - Method Not Cited, 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	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		
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		

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**Florida Department of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	170.1	Active	Temperature	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Thermometer	
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 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 Spectrophotomet	



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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 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	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	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	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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**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	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 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	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	

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**Florida Department of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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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**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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**21FLWPBH**

**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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**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	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	

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**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	

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**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	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-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	
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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**21FLWQA**

**Florida Department of Environmental Protection**

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	
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 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,	Nephelometer	

## 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
				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	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, 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,	Colorimeter	

## 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
				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	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., USEPA, 40 CFR Part 136	GC with Electrolytic Conductivity Detector	
USEPA	614	Active	Organophosphorus	USEPA, 1993, Methods for the Determination of	GC with Flame	

## 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
			Pesticides I	Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	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, Unknown		
21FLWQA	EPA 10200H	Susp	Chlorophyll determined by EPA Method Standard Method 10200H	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unknown		
21FLWQA	EPA 160.2	Susp	Total Suspended Solids determined by EPA Standard Method 160.2	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unknown		
21FLWQA	EPA 200.7	Susp	Metals, Total Recoverable, in aqueous samples using trace-ICP emission	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unknown		

## 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
			spectroscopy, Mod			
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		

## Field/Lab Analytical Procedures and Equipment Detail

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**21GACRD**

**Georgia Coastal Resources Division**

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	
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		
	EPA 1600	Active	EPA Method 1600	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008		USEPA/1600
<b>Description</b>	Membrane Filtration Method for Enterococcus					
	SM9221E	Active	Fecal Coliform	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
<b>Description</b>	MPN test for Fecal Coliform					



## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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### 21GAEPD

### 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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### 21IOWA Iowa Dept. of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	EPA 515.3	Active	DETERMINATION OF CHLORINATED ACIDS IN DRINKING	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>		DETERMINATION OF CHLORINATED ACIDS IN DRINKING WATER BY LIQUID-LIQUID EXTRACTION, DERIVATIZATION AND GAS CHROMATOGRAPHY WITH ELECTRON CAPTURE DETECTION			
21IOWA	GLYCOL LC/MS	Active	GLYCOL LC/MS (UHL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
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	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 --		
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	American Public Health Association, 1992,	Spectrophotomet	



## 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
			Determination	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	er	
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	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	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	American Public Health Association, 1992,	Ion Selective	

## 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
			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	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	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	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-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	I3765	Active	Residue by Evaporation and	USDOI, USGS, 19--., Methods for Determination	Laboratory	

## 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
			Gravimetric	of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Balance	
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	160.4	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 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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### 21IOWA

### Iowa Dept. of Natural Resources

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	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	

## 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	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	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	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	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	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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### 21IOWA

### Iowa Dept. of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	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,	Alpha Scintillation	

## 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, EPA 600/4-80-032	Detector	

## 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
21KAN001	I751-8	Active	Total Dissolved Solids	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		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	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		
<b>Description</b> 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 OF WATER, 1		
<b>Description</b> 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		
<b>Description</b> 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		

## 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
				AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1		
	<b>Description</b>		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		
	<b>Description</b>		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		
	<b>Description</b>		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		
	<b>Description</b>		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		

## 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
				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		
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	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	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	

## 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
					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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**21LABCH**

**Louisiana Department of Health and Hospitals**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	A-1-M METHOD	Active	Fecal Coliform Direct Test (A-1 Medium)	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
	ENTEROLE RT	Active	ASTM D6503-99	ENTEROLERT - ASTM Committee D-19 on Water, 1999, D65033-99 Standard Test Method for Enterococci in Water Using Enterolert, American Society for Testing Materials (ASTM), 7		
<b>Description</b>	IDEXX Quanti-Tray					



## Field/Lab Analytical Procedures and Equipment Detail

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**21MABCH**

**Massachusetts Department of Public Health**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	BPSOPBS	Active	Beach Program Standard Operating Procedures for Bacteria Sampling	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
<b>Description</b>	This SOP encompasses all aqueous sample collection for bacteria at freshwater, intertidal and coastal beaches by the MDPH Beach Program.					
	BPSOPLA	Active	Beach Program Standard Operating Procedures for Laboratory Analysis	USEPA, 1997, Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterocci and Escherichia coli., USEPA, EPA 821/R-97-004		
<b>Description</b>	This SOP encompasses all laboratory analysis procedures for bacteria from freshwater, intertidal and coastal beaches by the MDPH Beach Program.					

## Field/Lab Analytical Procedures and Equipment Detail

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**21MEBCH**

**State Planning Office (EPA Region 1)**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	ENTERO-001	Active	Enterococci	HCBCIT-002 - Esperanza Stancioff, 1996, Clean Water, A Guide to Water Quality Monitoring., Maine/New Hampshire Sea Grant and The University of Maine Cooperative Extension, Vol 2		
<b>Description</b>	Field methods for collecting enterococci water samples					
	ENTERO-001	Active	Enterolert	HCBCIT-005 - ASTM, 2001, Annual Book of ASTM Standards-Water and Environmental Technology, "Standard Test Method for Enterococci in Water using Enterolert", ASTM, 11.02		
<b>Description</b>	Laboratory analysis of enterococci using enterolert test kit					
	MF-001	Active	Membrane Filtration	HCBCIT-006 - USEPA, 1997, Method 1600: Membrane Filter test Method for Enterococci in Water., USEPA, 821-R-97-004		
<b>Description</b>	Laboratory analysis of enterococci using membrane filtration					
	SAL-001	Active	salinity	HCBCIT-002 - Esperanza Stancioff, 1996, Clean Water, A Guide to Water Quality Monitoring., Maine/New Hampshire Sea Grant and The University of Maine Cooperative Extension, Vol 2		
<b>Description</b>	Field measurement of salinity using a hand-held refractometer					
	TEMP-001	Active	Temperature	HCBCIT-002 - Esperanza Stancioff, 1996, Clean Water, A Guide to Water Quality Monitoring., Maine/New Hampshire Sea Grant and The University of Maine Cooperative Extension, Vol 2		
<b>Description</b>	Field methods for taking air and water temperature using a thermometer					

## 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 --		
<b>Description</b>		Generic Field/Lab Procedure				

## Field/Lab Analytical Procedures and Equipment Detail

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**21NC01WQ**

**NCDENR-DWQ**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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_PHSAMP	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**

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	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_RATE	Active	SETTLEABLE MATTER M/L/HR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
21NC01WQ	STRP_MFENT	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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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	110.1	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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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 --		
<b>Description</b>		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
<b>Description</b>		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
<b>Description</b>		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 --		
<b>Description</b>		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
<b>Description</b>		Hardness calculated by separate determinations of calcium and magnesium: $2.497 \cdot (\text{Ca; mg/l}) + 4.18 \cdot (\text{Mg; mg/l}) = \text{hardness as CaCO}_3 \text{ (mg/l)}$ ; Equivalent to APHA 2340 B (18th ed)				
21NC02WQ	OIL_GREA SE	Active	Oil and Grease	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		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	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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21NC02WQ		NCDENR-DWQ (2nd)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	
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	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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**21NC02WQ**

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Gas Industry Discharges, USEPA, EPA 821/R-92-008		
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	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	

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**21NC02WQ**

**NCDENR-DWQ (2nd)**

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	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 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	USEPA, 1983, Methods for Chemical Analysis of	Titration	



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21NC02WQ		NCDENR-DWQ (2nd)				
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	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	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 --		
<b>Description</b>		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 --		
<b>Description</b>		Counted 200 organisms in the sample.				
21NDHDWQ	300	Active	300 Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		Counted 300 organisms in the sample.				
21NDHDWQ	999	Active	Entire Count	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		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	

## 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
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	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 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	American Public Health Association, 1992,	Optical	

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**North Dakota Department of Health**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Membrane Filter Procedure	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	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	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	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,	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 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	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	305.2	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	USEPA, 1993, Methods for the Determination of	Colorimeter	

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**21NDHDWQ**

**North Dakota Department of Health**

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	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 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,	High Performance	

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**21NDHDWQ**

**North Dakota Department of Health**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				EPA 600/4-91-039	Liquid Chromatograph with Fluorescence Dete	
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	

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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	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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**21NEB001**

**Nebraska Dept. of Environmental Quality**

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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**21NEB001**

**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	

## Field/Lab Analytical Procedures and Equipment Detail

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**21NEB001**

**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	

## Field/Lab Analytical Procedures and Equipment Detail

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**21NEB001**

**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	

## 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
				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)	

## 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
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	

## 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
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 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 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	

## 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
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	
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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**Nevada Dept. of Conservation and Natural Resources**

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	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 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	

## 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
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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	2340B	Active	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
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	365.8	Active	Hydrolyzable Phosphorus	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	AutoAnalyzer	
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	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	Active	Standard Total Coliform	American Public Health Association, 1998,		



## Field/Lab Analytical Procedures and Equipment Detail

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**21NJDEP1**

**NJ Department of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	(5T)		Fermentation Technique 5 Tube Test	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
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	

## Field/Lab Analytical Procedures and Equipment Detail

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**21NJDEP1**

**NJ Department of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b>	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 Layer (DAL) Method using F-amp Host Cell	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. 267-287		
<b>Description</b>	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	HOB0	Active	HOB0 Underwater Temperature Logger (H20-001)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Probe	
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.		

## Field/Lab Analytical Procedures and Equipment Detail

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**21NJDEP1**

**NJ Department of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				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		
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	

## Field/Lab Analytical Procedures and Equipment Detail

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**21NJDEP1**

**NJ Department of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> 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		
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		

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**21NJDEP1**

**NJ Department of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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.

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21NJDEP1	O-1100-83	Active	(USGS) TOC Dissolved	Brenton, R.W., and Arnett, T.L., 1993, Determination of dissolved organic carbon by uv-promoted persulfate oxidation and infrared spectrometry:, U.S Geological Survey, 12		
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	
<b>Description</b> 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	
<b>Description</b> 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	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
			Bottom Material, dry weight, induction furnace	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 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,	Conductivity Meter	USDOI/USGS/I1780

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Geological Survey, Book 9, Chapter A6		
21NJDEP1	SONDE	Active	Multi-probe Data Sonde	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
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	UNKNOWN	Active	Unknown Method/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	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	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	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 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-F	Active	Settleable Solids in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water	Laboratory Balance	

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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-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	
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- Molybdsilicate Method	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-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	
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	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public	Colorimeter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Technique	Health Association, 18th 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-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 of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1	Inductively 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 Spectrophotomet er	
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,	Ion Chromatograph	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Book 5, Chapter A1		
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	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	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,	AutoAnalyzer	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Book 5, Chapter A1		
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	
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,	Flame Atomic Absorption Spectrophotometer	

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				Book 5, Chapter A1	er	
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	
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,	AutoAnalyzer	

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				Book 5, Chapter A1		
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 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	200.9	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	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	
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	

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**NJ Department of Environmental Protection**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	
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	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	USEPA, 1992, Methods for Determination of	Elemental	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			and Nitrogen	Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	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 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	

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### NWIS Data

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	

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21NMEX		NM Environmental Dept./SWQB					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
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>		
<b>Description</b> 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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21NMEX		NM Environmental Dept./SWQB				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	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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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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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21NMEX		NM Environmental Dept./SWQB					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
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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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	340.2	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					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
			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 Spectrophotomet er		
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	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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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	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	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	
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. Greenberg, and Andrew D. Eaton (Eds.), 1998,		

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21NMEX		NM Environmental Dept./SWQB					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				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			
	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			

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21NMEX		NM Environmental Dept./SWQB					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				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					
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			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b>	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.					



## Field/Lab Analytical Procedures and Equipment Detail

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### 21NYBCH

### New York State Department of Health

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-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-(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 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	American Public Health Association, 1992,		

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### 21NYBCH

### New York State Department of Health

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Enterococcus, Multi-tube Fermentation Technique	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		
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	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		
	NY-1	Active	USEPA METHOD 10029	GUIDANCE-1 - USEPA, 2002, NATIONAL BEACH GUIDANCE AND REQUIRED PERFORMANCE CRITERIA FOR GRANTS - APPENDIX -J, USEPA, J-1		USEPA/1603
<b>Description</b>	TEST FOR E. COLI					
	NY-2	Active	APHA 9213-D	GUIDANCE-1 - USEPA, 2002, NATIONAL BEACH GUIDANCE AND REQUIRED PERFORMANCE CRITERIA FOR GRANTS - APPENDIX -J, USEPA, J-1		APHA/9222-B
<b>Description</b>	ENUMERATION OF E.COLI					
	NY-3	Active	APHA METHOD	GUIDANCE-1 - USEPA, 2002, NATIONAL		

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21NYBCH

New York State Department of Health

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			9225C/MUG	BEACH GUIDANCE AND REQUIRED PERFORMANCE CRITERIA FOR GRANTS - APPENDIX -J, USEPA, J-1		
<b>Description</b>	ENUMERATION OF E. COLI					
	NY-4	Active	ENTEROLERT	GUIDANCE-1 - USEPA, 2002, NATIONAL BEACH GUIDANCE AND REQUIRED PERFORMANCE CRITERIA FOR GRANTS - APPENDIX -J, USEPA, J-1		ASTM/F60
<b>Description</b>	ASTM D 6503-99					

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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)	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	

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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	206.3_M	Active	Hydride Generation ICP	USEPA, 19--., CLP SOW for Inorganics Analysis-LC_INORGANICS, USEPA, LC_INORGANICS	Hydride 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	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	353.2	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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**21NYDECA**

**NYS Dept. of EnCon, Division of Water**

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	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	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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### 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	

## 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	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	

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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	

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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	

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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	

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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	



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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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**21RIBCH**

**Rhode Island Department of Health**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	A1	Active	A-1	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
<b>Description</b>	A-1 Method for fecal coliform					
	ENTEROLE RT	Active	Enterolert	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
<b>Description</b>	Enterlert (IDEXX Labs, Westbrook, ME) test for enterococci.					
	MPN	Active	3 Tube MPN 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-C
<b>Description</b>	48-72 Hr. test for fecal coliform					

## 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	

## 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
					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	



## 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
			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	

## Field/Lab Analytical Procedures and Equipment Detail

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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		

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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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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	

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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 --		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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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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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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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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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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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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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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	

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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	

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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	

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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	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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**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	

## 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
			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	

## 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	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	

## 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
				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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**21WABCH**

**Washington State Department of Ecology**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
AOAC	991.15	Active	Total Coliforms and E. coli 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	Generic method-specific 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	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	
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	
	1106.1	Active	ENTEROCOCCI MEMBRANE FILTRATION	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		
	D6503-99	Active	ENTEROLERT	D6503-99 - AMERICAN SOCIETY FOR THE WATER TESTING AND MATERIALS (ASTM) COMMITTEE ON WATER, 1999, D6503-99 STANDARD TEST METHOD FOR ENTEROCOCCI IN WATER USING ENTEROLERT, AMERICAN SOCIETY FOR THE WATER TESTING AND MATERIALS (ASTM) COMMITTEE ON WATER, LOOK IT UP		
	EPA 1600	Active	ENTEROCOCCI MEMBRANE FILTRATION INDOXYL-D-GLUCOSIDE	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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**21WABCH**

**Washington State Department of Ecology**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			AGAR	(September 2002), USEPA, EPA 821-R-02-022		
	SM-9230	Active	STANDARD METHOD 18	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
	SM9221C	Active	STANDARD METHOD 20	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
	SM9222-D	Active	DELAYED INCUBATION FECAL COLIFORM IN PRESENCE , 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/9222-D
<b>Description</b>	THIS IS AN ADOPTED NATIONAL PROCEDURE. THE NATIONAL PROCEDURE IS NOT BEING RECOGNIZED IN MY SCHEMA SO I AM TRYING TO MAKE IT WORK BY PUTTING IT HERE.					
	SM9320B	Active	ENTEROLERT	D6503-99 - AMERICAN SOCIETY FOR THE WATER TESTING AND MATERIALS (ASTM) COMMITTEE ON WATER, 1999, D6503-99 STANDARD TEST METHOD FOR ENTEROCOCCI IN WATER USING ENTEROLERT, AMERICAN SOCIETY FOR THE WATER TESTING AND MATERIALS (ASTM) COMMITTEE ON WATER, LOOK IT UP		
<b>Description</b>	ENTEROLERT MPN METHOD					

## Field/Lab Analytical Procedures and Equipment Detail

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**21WIBCH**

### Wisconsin Department of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	CPRG-MUG	Active	CPRG-MUG (SM 9223B, ColisureTM)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>	Lab analytical method as described in: online document: <a href="http://www.dnr.state.wi.us/org/water/wm/WQS/Beaches/OverviewPublicNoticationProgram.pdf">http://www.dnr.state.wi.us/org/water/wm/WQS/Beaches/OverviewPublicNoticationProgram.pdf</a> , accessed 3/25/04 WDNR memo dated 11/22/2002, subject "Wisconsin's Proposed Beach Monitoring and Public Notification Program" Contact Toni Glymph at (608) 264-8954/glympt@dnr.state.wi.us for more information D. Analytical Methods Most probable number (MPN) tests for E. coli: ? LTB EC-MUG (Standard Methods 9221B.1/9221F ? ONPG-MUG (Standard Methods 9223B, AOAC 991.15, Colilert, Colilert-18, and Autoanalysis Colilert) ? CPRG-MUG (Standard Methods 9223B, ColisureTM) Membrane filter tests for E. coli: ? MEndo, LES-Endo, or mFC followed by transfer to NA-MUG media (Standard Methods 9222B/9222G or 9222D/9222G) ? MI Agar ? M-ColiBlue24 Broth					
	LTB EC-MUG	Active	LTB EC-MUG (SM 9221B.1/9221F)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>	Lab analytical method as described in: online document: <a href="http://www.dnr.state.wi.us/org/water/wm/WQS/Beaches/OverviewPublicNoticationProgram.pdf">http://www.dnr.state.wi.us/org/water/wm/WQS/Beaches/OverviewPublicNoticationProgram.pdf</a> , accessed 3/25/04 WDNR memo dated 11/22/2002, subject "Wisconsin's Proposed Beach Monitoring and Public Notification Program" Contact Toni Glymph at (608) 264-8954/glympt@dnr.state.wi.us for more information D. Analytical Methods Most probable number (MPN) tests for E. coli: ? LTB EC-MUG (Standard Methods 9221B.1/9221F ? ONPG-MUG (Standard Methods 9223B, AOAC 991.15, Colilert, Colilert-18, and Autoanalysis Colilert) ? CPRG-MUG (Standard Methods 9223B, ColisureTM) Membrane filter tests for E. coli: ? MEndo, LES-Endo, or mFC followed by transfer to NA-MUG media (Standard Methods 9222B/9222G or 9222D/9222G) ? MI Agar ? M-ColiBlue24 Broth					
	MI AGAR	Active	MI Agar	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		



## Field/Lab Analytical Procedures and Equipment Detail

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**21WIBCH**

### Wisconsin Department of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b>	Lab analytical method as described in: online document: <a href="http://www.dnr.state.wi.us/org/water/wm/WQS/Beaches/OverviewPublicNoticationProgram.pdf">http://www.dnr.state.wi.us/org/water/wm/WQS/Beaches/OverviewPublicNoticationProgram.pdf</a> , accessed 3/25/04 WDNR memo dated 11/22/2002, subject "Wisconsin's Proposed Beach Monitoring and Public Notification Program" Contact Toni Glymph at (608) 264-8954/glympt@dnr.state.wi.us for more information D. Analytical Methods Most probable number (MPN) tests for E. coli: ? LTB EC-MUG (Standard Methods 9221B.1/9221F ? ONPG-MUG (Standard Methods 9223B, AOAC 991.15, Colilert, Colilert-18, and Autoanalysis Colilert) ? CPRG-MUG (Standard Methods 9223B, ColisureTM) Membrane filter tests for E. coli: ? MEndo, LES-Endo, or mFC followed by transfer to NA-MUG media (Standard Methods 9222B/9222G or 9222D/9222G) ? MI Agar ? M-ColiBlue24 Broth					
	ONPG-MUG	Active	ONPG-MUG (SM9223B,AOAC 991.15)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>	Lab analytical method as described in: online document: <a href="http://www.dnr.state.wi.us/org/water/wm/WQS/Beaches/OverviewPublicNoticationProgram.pdf">http://www.dnr.state.wi.us/org/water/wm/WQS/Beaches/OverviewPublicNoticationProgram.pdf</a> , accessed 3/25/04 WDNR memo dated 11/22/2002, subject "Wisconsin's Proposed Beach Monitoring and Public Notification Program" Contact Toni Glymph at (608) 264-8954/glympt@dnr.state.wi.us for more information D. Analytical Methods Most probable number (MPN) tests for E. coli: ? LTB EC-MUG (Standard Methods 9221B.1/9221F ? ONPG-MUG (Standard Methods 9223B, AOAC 991.15, Colilert, Colilert-18, and Autoanalysis Colilert) ? CPRG-MUG (Standard Methods 9223B, ColisureTM) Membrane filter tests for E. coli: ? MEndo, LES-Endo, or mFC followed by transfer to NA-MUG media (Standard Methods 9222B/9222G or 9222D/9222G) ? MI Agar ? M-ColiBlue24 Broth					

## Field/Lab Analytical Procedures and Equipment Detail

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### 21WIS Wisconsin Dept. of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21WIS	10200H	Active	Chlorophyll A Uncorrected	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Visible Spectrophotometer	APHA/10200-H
21WIS	1293	Active	PCBs and Pesticides in Surface Water by XAD-2 Resin Extraction	M. Mullin, 1994, File+C:\QPR04\QD\LMMBPCB1.wq1 21-June1994 (Table 1293.8b1), WI DNR and EPA, Table 1293.8b1		
21WIS	1560	Active	Total Organic Carbon in Sediment by Slurry Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	1660	Active	Total Organic Carbon (TOC) in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	ASTM-D1252 88B	Active	COD Hi Level	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	DO PROBE	Active	Membrane Electrod Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	EPA 1664	Active	Oil and Grease Hem	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	EPA 351.2	Active	Nitrogen Kjeldahl Total	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	EPA 365.1	Active	Phosphorus Tot	American Public Health Association, 1992,		

## Field/Lab Analytical Procedures and Equipment Detail

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### 21WIS Wisconsin Dept. of 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		
21WIS	EPA200.7	Active	metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	EPA200.9	Active	Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	EPA325.2	Active	Chloride Automated	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	FLOW01	Active	Instantaneous flow rate	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	MFFCC	Active	FECAL COLIFORM	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	PH PROBE	Active	Electro Metric Method	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM2130B	Active	Turbidity	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM2320B	Active	Alkalinity Total CaCO3	American Public Health Association, 1992, Standard Methods for the Examination of Water		

## Field/Lab Analytical Procedures and Equipment Detail

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### 21WIS Wisconsin Dept. of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM2340B	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		
21WIS	SM2510B	Active	Conductivity at @25C	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM2540B	Active	SOLIDS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM2540D	Active	Volatile Suspended Solids	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM2540E	Active	VOLATILE SOLIDS	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM3113B	Active	Metals Total Rec AA Furnace	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM4500 P	Active	Phosphate Ortho Diss	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM4500-H+B	Active	pH Lab	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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### 21WIS Wisconsin Dept. of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
21WIS	SM4500-NH3 F	Active	Nitrogen NH3 -N	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM4500-NO3 F	Active	Nitrogen Nitrate + Nitrite	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM5210B	Active	BOD 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	APHA/5210-B
21WIS	SM8015A	Active	Glycols	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SM9230	Active	Streptococci Fecal MF M-ent	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SW846 6010B	Active	Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SW846 7471A	Active	Mercury	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SW846 M8310	Active	PAH's	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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### 21WIS Wisconsin Dept. of Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
21WIS	SW846-6010B	Active	Iron	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
21WIS	SW8466010B	Active	Zinc	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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### 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	

## 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
				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	



## 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
				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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## 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
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	

## 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
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	



## 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
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.COLIFORM	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		
<b>Description</b> 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	

## 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
				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

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	
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)	

## Field/Lab Analytical Procedures and Equipment Detail

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**31ISC2RS**

**Interstate Sanitation Commission**

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	

## 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
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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	



## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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### 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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ALO 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		
<b>Description</b> 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		
<b>Description</b> 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 --		
<b>Description</b> 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	
<b>Description</b> 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	
<b>Description</b> 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 --		
<b>Description</b> 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	
<b>Description</b>	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	
<b>Description</b>	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	



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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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<b>AURORA</b>		<b>City of Aurora (Colorado)</b>				<b>Comparable National Procedure ID</b>
<b>Procedure Source</b>	<b>Procedure ID</b>	<b>Status</b>	<b>Procedure Name</b>	<b>Citation</b>	<b>Equipment</b>	
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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**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	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	
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	

## 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	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-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	
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	
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	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
				Sediments, Book 5, Chapter A1., USDOI, USGS, Book 5, Chapter A1		
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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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,		



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BEAR_CRK		Bear Creek Reservoir (Colorado)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
			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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### 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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### 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 --		
<b>Description</b> Reference: Superfund Analytical Services/Contract Laboratory Program <a href="http://www.epa.gov/superfund/programs/clp/index.htm">http://www.epa.gov/superfund/programs/clp/index.htm</a>						
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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### 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,		

## 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
	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	

## 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
				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	

## 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
					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	

## 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	
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	

## Field/Lab Analytical Procedures and Equipment Detail

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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,		

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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-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 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-E	Active	Metals in Water by FLAA-	American Public Health Association, 1992,	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
			Extraction/Nitrous Oxide-Acetylene Flame	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	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)	
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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CAPECRD		City of Cape Coral (Florida)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	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	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	
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	

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CAPECRD City of Cape Coral (Florida)						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	NO3N	Active	NO3 Nitrogen (Calculated NOXN-NO2N)	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 --		
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	

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CAPECRD	City of Cape Coral (Florida)					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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 Spectrophotometer	
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, 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	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	

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CAPECRD		City of Cape Coral (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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 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	



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CAPECRD		City of Cape Coral (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	249.1	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	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_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	350.2(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	USEPA, 1983, Methods for Chemical Analysis of	Spectrophotomet	

## Field/Lab Analytical Procedures and Equipment Detail

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CAPECRD		City of Cape Coral (Florida)				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Reagent Colorimetry	Water and Wastes, USEPA, EPA 600/4-79-020	er	
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 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	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	

## 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
					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 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	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	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	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	

## 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
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 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	

## 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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**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	



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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)				
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	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 --		
<b>Description</b>		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 --		
<b>Description</b>		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	
CHENPCHE	NTOT	Active	Total Nitrogen	CHNEP - r amlloy, 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	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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### CHNEPCHE

### 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	
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	

## 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	
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	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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### CHNEPCHP

### 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	
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	

## 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	
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	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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### CHNEPCHW

### 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	
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	



## 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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### CHNEPEB

### 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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### 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	
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	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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### CHNEPLLB

### 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	
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	

## 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 --		
<b>Description</b>		TKN + NOX				



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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	
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	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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### CHNEPTMR

### 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	
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	

## 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	
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	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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### CHNEPTR

### 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	
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	

## 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	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	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		
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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CITYOFPG		City of Punta Gorda (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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, 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,	Colorimeter	

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CITYOFPG		City of Punta Gorda (Florida)				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				USEPA, EPA 600/R-93-100		
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 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	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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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 <sub>2</sub> 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 <sub>3</sub> 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 <sub>3</sub> 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 <sub>2</sub> 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		

## 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
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 --		
	<b>Description</b>	Modified EPA RBA				
CORIVWCH	3	Active	Macroinvertebrate	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	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 --		
	<b>Description</b>	SM 421B				
CORIVWCH	5	Active	FLOW	CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114		
	<b>Description</b>	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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**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 --		
<b>Description</b> 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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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

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	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				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-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

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	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	
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	

## 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	

## 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
	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

### The Commission for a Good Clean Chesapeake Bay

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	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-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	
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	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)	

## Field/Lab Analytical Procedures and Equipment Detail

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### DEMOTEST

### The Commission for a Good Clean Chesapeake Bay

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-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	
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	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	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 Spectrophotomet	

## Field/Lab Analytical Procedures and Equipment Detail

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### DEMOTEST

### The Commission for a Good Clean Chesapeake Bay

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					er	
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(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	D4012	Active	ATP Content of Microorganisms 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	Liquid Scintillation Counter	
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	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	
DEMOTEST	DO-001	Active	Field Method for Determination of Dissolved Oxygen, Probe	SAMPLE_CB - Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp	Probe	HACH/8157

## Field/Lab Analytical Procedures and Equipment Detail

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### DEMOTEST

### The Commission for a Good Clean Chesapeake Bay

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> Measurement Procedure: Find a place out of direct sun, place the DO probe approx 4 in under the water for a surface determination, allow the instrument reading to stabilize for 3 min. then take reading. Remove probe from water, allow probe to come to ambient temperature, then repeat measurement procedure. In this fashion record three measurements.						
DEMOTEST	FISH MEASURES	Active	Field Determination of Whole Fish Physical Characteristics	CGCCB_SOPS - Commission for a Good Clean Chesapeake Bay, 1991, Standard Procedures for Sampling the Chesapeake Bay, Virginia Beach Press, 290 pp	No equipment	
<b>Description</b> Fish Fork Length: Place fish on measure board, mark fork position on board, read length. Repeat this process 3 times, record all measurements. Fish Weight: Wet weight determination, zero Manning Auto-scale, model 3472 using the remote control zero function, then load wet fish onto the scale read weight. Repeat process 3 times, recording each weight to the nearest 0.001 gram. Fish Physical Condition: Insure fish is alive, lay fish on ground, smack fish in the head just in front of the gills with the Manning Fish Response Index Mallet, a moderate blow will suffice. Fish should jump, carefully mark the landing position and orientation of the fish, measure the distance jumped. Consult Manning Fish Orientation Chart for adjustment factors which should be applied to each jump distance to arrive at the True Index Length. Repeat this process 3 times recording the length of each jump. Calculate the mean of the 3 jumps and consult the Manning Fish Response Index Graph supplied with the Manning Fish Field Kit to determine the Manning Fish Response Index.						
DEMOTEST	HYDROLAB	Active	Hand Held Hydrolab Cast Operation	SAMPLE_CB - Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp	Hydrolab Multi Probe Handheld Instrument	
<b>Description</b> The Hydrolab probe array is dropped to the bottom, bottom depth is recorded. The probe array is then raised 1 meter above the bottom and allowed to equilibrate for 1 min before the probe array is scanned. This process is repeated for a midwater column depth and a surface water column depth (1 meter below the surface). This entire process, bottom, midwater, and surface recording is repeated 3 times.						
DEMOTEST	PESTICIDES	Active	Herbicides and Insecticides in Water	SAMPLE_CB - Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp	Capillary Gas Chromatograph with Mass Spectrophotometer	
<b>Description</b> Procedures for this determination are listed in Chapter 4 "So You Think You Want to Eat that Lettuce" of the Manning Citation listed below.						
DEMOTEST	RBP-FIELD	Active	Field RBP Procedures	CGCCB_SOPS - Commission for a Good Clean Chesapeake Bay, 1991, Standard Procedures for Sampling the Chesapeake Bay, Virginia Beach Press, 290 pp		

## Field/Lab Analytical Procedures and Equipment Detail

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### DEMOTEST The Commission for a Good Clean Chesapeake Bay

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> Rapid Bioassessment Procedures were developed by EPA. The Manning Modification of the procedures are detailed in the Citation listed below.						
DEMOTEST	SEDIMENT	Active	Field Sediment Analysis	SAMPLE_CB - Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp		
<b>Description</b> This procedure uses the Model 78, Manning Auto-Fractionating Sediment Sieve Set, with the self leveling and motion shake options turned on. Separate three 5 kilogram subsamples from the grab sample. Feed a subsample through the Sieve Set recording the weight of each separated sediment fraction. Repeat this process for each subsample. Mean weight fractions will be determined at the lab. Gold nuggets which fail to pass through the first sieve screen should be mailed directly to the Manning Industries, address located on the Sieve Set, for further analysis.						
DEMOTEST	SEDTX	Active	Sediment Toxicity Test Procedure	SAMPLE_CB - Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp		
DEMOTEST	STATION OBS	Active	Field Station Visit Physical Direct Measurements and Obs	CGCCB_SOPS - 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	SAMPLE_CB - Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp	Probe	
<b>Description</b> Measurement Procedure: Find a place out of direct sun, place the temperature probe approx 4 in under the water for a surface determination, allow the instrument reading to stabilize for 3 min. then take reading. Remove probe from water, allow probe to come to ambient temperature, then repeat measurement procedure. In this fashion record three measurements.						
DEMOTEST	WEATHER-001	Active	Field Station Visit Weather Observations	CGCCB_SOPS - Commission for a Good Clean Chesapeake Bay, 1991, Standard Procedures for Sampling the Chesapeake Bay, Virginia Beach Press, 290 pp		
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	8038	Active	Ammonia Nitrogen in Water	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Spectrophotometer	

## Field/Lab Analytical Procedures and Equipment Detail

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### DEMOTEST

### The Commission for a Good Clean Chesapeake Bay

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	8163	Active	Total Filterable Solids	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition	Laboratory Balance	
HACH	8222	Active	Calcium Hardness in Water	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	
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	
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	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	B1505	Active	Phytoplankton Enumeration- Counting	USDOI, USGS, 1987, Methods for Collection and Analysis of Aquatic Biological and Microbiological	Optical Microscope	

## Field/Lab Analytical Procedures and Equipment Detail

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### The Commission for a Good Clean Chesapeake Bay

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Cell Method	Samples, Book 5, Chapter A4., USDOl, USGS, Book 5, Chapter A4		
USDOl/USGS	I1550	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	Spectrophotometer	
USDOl/USGS	I1601	Active	Orthophosphate-Phosphorus 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	I2539	Active	Nitrite-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	I2545(W)	Active	Nitrite- Plus Nitrate-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	I2600(W)	Active	Phosphorus 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	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	
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	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	

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### The Commission for a Good Clean Chesapeake Bay

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
USEPA	120.1_M	Active	Conductivity in Industrial Waste	USEPA, 19--., CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3	Conductivity Meter	
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	160.5	Active	Settleable Matter	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Laboratory Balance	
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(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	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	



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### The Commission for a Good Clean Chesapeake Bay

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	
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	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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					Absorption Spectrophotometer	
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_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_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	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	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	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	365.5	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_M(A)	Active	Sulfate by Colorimetry	USEPA, 1993, EPA Contract Laboratory Program Water Quality Parameters in Multi-Concentration Water, USEPA, CLP_WQP	AutoAnalyzer	
USEPA	440(W)	Active	Determination of Carbon	USEPA, 1992, Methods for Determination of	Elemental	

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### The Commission for a Good Clean Chesapeake Bay

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			and Nitrogen	Chemical Substances in Marine and Estuarine Environmental Samples, USEPA, MARINE_METHODS	Analyzer	
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	
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	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	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)	

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### The Commission for a Good Clean Chesapeake Bay

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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-006-1	Active	Total Dissolved Solids in Water	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS	Laboratory Balance	
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 Devices, 2nd Edition, Association of Official Analytical Chemists, ISBN_935584-47-1	No equipment	
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		Active			No equipment	

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### DEMOTEST

### The Commission for a Good Clean Chesapeake Bay

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	PMD-STM(UV)		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		
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	
USDOI/USGS	O7100	Susp	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	

## 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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

### Environmental Monitoring and Assessment Program

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		
	<b>Description</b>			NCA-Gulf 2000 used EPA-349.0 to measure Ammonium (NH <sub>4</sub> )		
EMAP-CS	EPA-350.1	Active	EPA-350.1: EMAP-West for NH <sub>4</sub>	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	<b>Description</b>			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 <sub>2</sub> +NO <sub>3</sub>	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	<b>Description</b>			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 <sub>2</sub> +NO <sub>3</sub>	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		
	<b>Description</b>			NCA-Gulf 2000 used EPA-353.3 method for NO <sub>2</sub> +NO <sub>3</sub>		
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		
	<b>Description</b>			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 <sub>4</sub>	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
	<b>Description</b>			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 <sub>4</sub>	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		
	<b>Description</b>					
	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		
	<b>Description</b>					
	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		
	<b>Description</b>					
	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		
	<b>Description</b>					
	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		
	<b>Description</b>					
	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		
	<b>Description</b>					
	EPA accepted methods for Aluminum and Iron					
EMAP-CS	EPA200.8	Active	EPA200.8	Tom Heitmuller, USGS, 2001, Quality Assurance		

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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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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		
	<b>Description</b>	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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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> CHLA and PHAE pigments were extracted from filter with 90% acetone and measured on a Turner Designs 10-005R Fluorometer						
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		
<b>Description</b> 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	C. Strobel, 1996, EMAP-Estuaries 1993 Virginian Province Sediment Chemistry Metadata, U.S.		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			capture detection	Environmental Protection Agency, 15 p		
EMAP-CS	GC/MS	Active	Gas Chromatograph/Mass Spectrometer	C. Strobel, 1996, EMAP-Estuarines 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> Gas chromatography/electron capture detection/Gas Chromatograph/Mass Spectrometer						
EMAP-CS	GFAA	Active	Graphite Furnace Atomic Absorption Analysis	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
<b>Description</b> 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		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> 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		
<b>Description</b> 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		
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-Estuaries 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	Hydrolab Multi Probe Handheld	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Metadata, U.S. Environmental Protection Agency, 10	Instrument	
	<b>Description</b>	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	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	
	<b>Description</b>	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	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. Strobil, 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		
	<b>Description</b>	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		
	<b>Description</b>	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).				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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		
<b>Description</b> 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	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
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	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		
<b>Description</b> 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		
<b>Description</b> 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	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	
<b>Description</b> On the boat, the deck sensor recording ambient light was a cosine collector (the flat sensor; LI-190SA).						



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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		
<b>Description</b>		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		
<b>Description</b>		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-Estuarines, Volume 1: Biological and Physical Analyses, Environmental Protection Agency, Office of Research and Development, Narragansett, RI, 128 p		
<b>Description</b>		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		
<b>Description</b>		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		
<b>Description</b>		Procedure not recorded				
EMAP-CS	NR	Active	Not relevant	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
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		

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EMAP-CS Environmental Monitoring and Assessment Program						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> NH <sub>4</sub> , PO <sub>4</sub> , NO <sub>3</sub> , NO <sub>2</sub> , 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		
<b>Description</b> 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 NH <sub>3</sub> 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	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	
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		
<b>Description</b> A 20 cm diameter 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		

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### EMAP-CS

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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		
<b>Description</b> SM2540D: EMAP-West CA for total suspended solids (TSS) for CRG laboratory.						
EMAP-CS	SM4500NH3	Active	SM4500NH3: EMAP-West CA 99-00 for NH4-N and NO3-N	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> Standard Methods procedure for Selenium						

## 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	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		
<b>Description</b> From Standard Methods						
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		
<b>Description</b> 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		
<b>Description</b> From Standard Methods						
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		
<b>Description</b> 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-NCA	Active	Sediment Toxicity test method-NCA	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		
<b>Description</b> In the Ampelisca abdita 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						

## 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
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 $\leq 0.05$ 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		
<b>Description</b> Dry/weigh filter pads rinsed in DI water to remove salts						
EMAP-CS	WSA	Active	Wet Sieve Analysis	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, 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		
<b>Description</b> A YSI dissolved oxygen meter (Model M58) was used to check the Hydrolab DO and temperature readings.						

## 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
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 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	

## 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	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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### 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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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	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	
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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FLPRMRWS		Peace River Manasota Regional Water Supply Authority (FL)				
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	365.4	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	

## 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		
	<b>Description</b>		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		
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	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	Conductivity	



## 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
				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	160.2	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	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	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	USEPA, 1993, Methods for the Determination of	Colorimeter	

## 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
			Colorimetry	Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100		
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	TOC	Active	Total Organic Carbon Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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.						

## 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		
<b>Description</b> 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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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		

## Field/Lab Analytical Procedures and Equipment Detail

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GLENDALE		City of Glendale (Colorado)				
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-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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### 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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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 --		
<b>Description</b>		SeaBird Electronics SBE 19 Seacat Profiler				
HI301H	CVAA SOLIDS	Active	Mercury in solids by CVAA	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	PERCENT LIPIDS BY WEIGHT FOLLOWING SOLVENT EXTRACTION				
HI301H	PERCENT SOLIDS	Active	PERCENT SOLIDS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	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		
	<b>Description</b>	Russell Plumb, Jr				
HI301H	SEDAVS	Active	Sediment Acid Volatile Sulfides	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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HI301H City and county of Honolulu						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> 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		
<b>Description</b> 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 --		
<b>Description</b> 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	

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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	200.8(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	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	

## 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	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	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	

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HI301H City and county of Honolulu						
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	
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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	

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IAAFO Iowa DNR's Animal Feeding Operation						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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-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	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	
IAAFO	H2O	Active	Water level measurement	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
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	350.2(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	



## 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	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	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	LAB	Active	ANAYLZED IN LAB	IEPA LAB - Illinois EPA, 1993, IEPA Lab Methods Manual , Illinois EPA, Volumes 1 and 2		
USEPA	120.1	Active	Conductance	USEPA, 1983, Methods for Chemical Analysis of	Conductivity	

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IL_EPA	Illinois EPA					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
				Water and Wastes, USEPA, EPA 600/4-79-020	Bridge	
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	325.3	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	350.3	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	

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IL_EPA		Illinois EPA			Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	
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	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	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	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	Capillary GC with Flame

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IL_EPA		Illinois EPA				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
				Edition, Final Update I., USEPA, SW-846_I	Photometric 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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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	

## 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	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	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-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 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	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			Citation	Equipment	Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name				
						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	

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INSTOR		Indiana STORET				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
					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	

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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	



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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	

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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 <a href="http://www.epa.gov/superfund/programs/clp/index.htm">http://www.epa.gov/superfund/programs/clp/index.htm</a>						
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	

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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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### 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	HACH 10029 E Coli	KAW_QAPP - Kaw Nation, unknown, Kaw Nation Quality Assurance Project Plan, Kaw Nation, unknown		
<b>Description</b> <a href="http://web1.er.usgs.gov/nemi/method_summary.jsp?param_method_id=5577">http://web1.er.usgs.gov/nemi/method_summary.jsp?param_method_id=5577</a>						
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	
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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### KAWNATON

### Kaw Nation of Oklahoma

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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 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 Spectrophotome	
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	619	Active	Triazine Pesticides in Wastewater	USEPA, 1993, Methods for the Determination of Nonconventional Pesticides in Municipal and	GC with Nitrogen-	

## 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
				Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	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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### 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	

## 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	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	

## 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 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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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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### 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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### 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><b>Description</b> 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<sup>-6</sup> 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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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		
				<b>Description</b> 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		
				<b>Description</b> 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		
				<b>Description</b> 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		
				<b>Description</b> 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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### Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b>				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		
<b>Description</b>				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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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDEDAT01	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
MDEDAT01	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	
MDEDAT01	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
MDEDAT01	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
MDEDAT01	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		
<b>Description</b> (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		
<b>Description</b> (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		
<b>Description</b>	<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		
<b>Description</b>	<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		
<b>Description</b>	<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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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		
<b>Description</b> (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		
<b>Description</b> (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><b>Description</b> (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><b>Description</b> (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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### MDE DAT01 Maryland Dept. of the Environment Dredging Ambient Data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MDE DAT01	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		
<b>Description</b> (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.						
MDE DAT01	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		
<b>Description</b> (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.						
MDE DAT01	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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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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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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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

## Field/Lab Analytical Procedures and Equipment Detail

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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)



## Field/Lab Analytical Procedures and Equipment Detail

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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
(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		
<b>Description</b> 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	

## Field/Lab Analytical Procedures and Equipment Detail

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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
				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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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	

## Field/Lab Analytical Procedures and Equipment Detail

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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 <a href="#">Document/Graphic</a>	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  <b>Description</b> Using ONPG - MUG at 35 degrees Centigrade incubation		
MDEDAT04	ECOC	Active	Enterococci Determination	MD-DHMH - State of MD Department Health &		



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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
				Mental Hygiene Laboratories Administration, 2001, A Guide to Environmental Laboratory Services, Division of Environmental Chemistry and Division of Environmental Microbiology, Vol 1		
	<b>Description</b> 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	

## Field/Lab Analytical Procedures and Equipment Detail

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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
				6		
MDEDAT04	SONDE	Active	Hydrolab Datalogger	SONDE - Hydrolab Corporation, 1997, DataSonde 4 and MiniSonde Water Quality Multiprobes, Hydrolab Corporation, Vol. 1 <a href="#">Document/Graphic</a>	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 <a href="#">Document/Graphic</a>		
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 <a href="#">Document/Graphic</a>		
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	

## Field/Lab Analytical Procedures and Equipment Detail

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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
				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	

## Field/Lab Analytical Procedures and Equipment Detail

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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
				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	

## Field/Lab Analytical Procedures and Equipment Detail

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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
				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	

## Field/Lab Analytical Procedures and Equipment Detail

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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		
<b>Description</b> 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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**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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### MDEDAT08

### Maryland Department Of Environment Beaches Data

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	

## Field/Lab Analytical Procedures and Equipment Detail

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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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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

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	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	

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### MNPCA1

### Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			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-(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 (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	Titration Apparatus	

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### MNPCA1

### Minnesota Pollution Control Agency

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-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-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-E	Active	Phosphorus in Water by Colorimetry- Ascorbic Acid	American Public Health Association, 1992, Standard Methods for the Examination of Water	Colorimeter	

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### MNPCA1

### Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Method	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	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	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-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	9221-D	Active	Estimation of Bacterial Density- MPN Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water	Colorimeter	

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MNPCA1 Minnesota Pollution Control Agency						
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-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-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	
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	

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	
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

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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		
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 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	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
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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MNPCA1		Minnesota Pollution Control Agency				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Measuring Nitrate	Presented at NALMs, all		
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		
	<b>Description</b>	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 pages		
MNPCA1	CSMP-TTUBE60	Active	CSMP Transparency Tube, 60 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	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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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	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 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	Probe	USEPA/120.1
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	Active	Stream Flow, Instantaneous,	Minnesota Pollution Control Agency Quality		

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MNPCA1		Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	FLOW 1		at Milestone Sites	Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages			
MNPCA1	FLD STR FLOW 3	Active	Stream Flow, Instantaneous, Measured	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages	Flow Rate Measurement Device		
	<b>Description</b>	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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages			
	<b>Description</b>	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 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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	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, 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		
	<b>Description</b>	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		USEPA/170.1

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Water and Wastes, USEPA, EPA 600/4-79-020		
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-AS	Active	Arsenic by HG-AFS	Frontier Geosciences, Inc., 2001, Determination 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 Spectrophotome	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 10029	Active	Escherichia Coli, mColiBlue 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		

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### MNPCA1

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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_P0000 1	Active	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00001 from Legacy to STORET.						
MNPCA1	LEG_P0000 4	Active	STREAM WIDTH (FEET)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00023 from Legacy to STORET.						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P0002 4	Active	SAMPLE LENGTH IN INCHES	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		

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### MNPCA1 Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00071 from Legacy to STORET.						
MNPCA1	LEG_P00076	Active	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00076 from Legacy to STORET.						
MNPCA1	LEG_P00077	Active	TRANSPARENCY, SECCHI DISC (INCHES)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00077 from Legacy to STORET.						
MNPCA1	LEG_P00080	Active	COLOR (PLATINUM-COBALT UNITS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00092 from Legacy to STORET.						



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### MNPCA1 Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P0009 5	Active	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00095 from Legacy to STORET.						
MNPCA1	LEG_P0014 9	Active	ALPHA EMITTING RADIUM ISOTOPES, DISSOLVED(PC/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00149 from Legacy to STORET.						
MNPCA1	LEG_P0015 6	Active	IS00CTYL 2,4,5-T,WHOLE WATER, UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00156 from Legacy to STORET.						
MNPCA1	LEG_P0016 2	Active	SILVER, IN THE WHOLE WATER SAMPLE KILOGRAMS/BATCH	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00199 from Legacy to STORET.						
MNPCA1	LEG_P0029 0	Active	OXYGEN,DISSOLVED,UPTAKE,LIGHT BOTTLE,IN 24HR MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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	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
			DEG C MG/L			
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00307 from Legacy to STORET.				
MNPCA1	LEG_P00308	Active	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00308 from Legacy to STORET.				
MNPCA1	LEG_P00309	Active	BOD, NITROGEN INHIB.,DISS., 20 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00309 from Legacy to STORET.				
MNPCA1	LEG_P00310	Active	BOD, 5 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00310 from Legacy to STORET.				
MNPCA1	LEG_P00311	Active	BOD, DISSOLVED, 5 DAY MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00311 from Legacy to STORET.				
MNPCA1	LEG_P00313	Active	BOD, DISSOLVED, 20 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00313 from Legacy to STORET.				
MNPCA1	LEG_P00314	Active	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00314 from Legacy to STORET.				
MNPCA1	LEG_P00319	Active	BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00319 from Legacy to STORET.				
MNPCA1	LEG_P00324	Active	BOD, 20 DAY, 20 DEG C MG/L	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
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00324 from Legacy to STORET.						
MNPCA1	LEG_P00335	Active	COD, .025N K2CR2O7 MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00335 from Legacy to STORET.						
MNPCA1	LEG_P00339	Active	COD, BOTTOM DEPOSITS, DRY WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00339 from Legacy to STORET.						
MNPCA1	LEG_P00340	Active	COD, .25N K2CR2O7 MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		

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### MNPCA1 Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00566 from Legacy to STORET.						
MNPCA1	LEG_P0060	Active	NITROGEN, TOTAL (MG/L)	Unknown, 19--, No Cite - Method Not Cited,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
	0		AS N)	Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 00600 from Legacy to STORET.					
MNPCA1	LEG_P0060 5	Active	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 00605 from Legacy to STORET.					
MNPCA1	LEG_P0060 7	Active	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 00607 from Legacy to STORET.					
MNPCA1	LEG_P0060 8	Active	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 00608 from Legacy to STORET.					
MNPCA1	LEG_P0060 9	Active	TOTAL AMMONIA NITROGEN, 30 DAY ,(MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 00609 from Legacy to STORET.					
MNPCA1	LEG_P0061 0	Active	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 00610 from Legacy to STORET.					
MNPCA1	LEG_P0061 1	Active	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 00611 from Legacy to STORET.					
MNPCA1	LEG_P0061 2	Active	Ammonia, Unionized, calculated as N, from Legacy STORET	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	LEG_P0061 3	Active	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 00613 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 5	Active	NITRITE NITROGEN, TOTAL (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
<b>Description</b>		This procedure was assigned upon migration of results with parameter code 00615 from Legacy to STORET.					
MNPCA1	LEG_P0061 6	Active	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG- N DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
<b>Description</b>		This procedure was assigned upon migration of results with parameter code 00616 from Legacy to STORET.					
MNPCA1	LEG_P0061 8	Active	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
<b>Description</b>		This procedure was assigned upon migration of results with parameter code 00618 from Legacy to STORET.					
MNPCA1	LEG_P0061 9	Active	Ammonia, Unionized, calculated as NH3, from Legacy STORET	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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 --			
<b>Description</b>		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 --			
<b>Description</b>		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 --			
<b>Description</b>		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 --			
<b>Description</b>		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 --			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00627 from Legacy to STORET.						
MNPCA1	LEG_P00629	Active	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00629 from Legacy to STORET.						
MNPCA1	LEG_P00630	Active	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00630 from Legacy to STORET.						
MNPCA1	LEG_P00631	Active	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00667 from Legacy to STORET.						
MNPCA1	LEG_P00668	Active	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00670 from Legacy to STORET.						
MNPCA1	LEG_P00671	Active	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00671 from Legacy to STORET.						
MNPCA1	LEG_P00672	Active	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00672 from Legacy to STORET.						
MNPCA1	LEG_P00680	Active	CARBON, TOTAL ORGANIC (MG/L AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00680 from Legacy to STORET.						
MNPCA1	LEG_P00681	Active	CARBON, DISSOLVED ORGANIC (MG/L AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00681 from Legacy to STORET.						
MNPCA1	LEG_P00685	Active	CARBON, TOTAL INORGANIC (MG/L AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00685 from Legacy to STORET.						
MNPCA1	LEG_P00689	Active	CARBON, SUSPENDED ORGANIC (MG/L AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00689 from Legacy to STORET.						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P00690	Active	CARBON, TOTAL (MG/L AS C)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00690 from Legacy to STORET.						
MNPCA1	LEG_P00720	Active	CYANIDE, TOTAL (MG/L AS CN) MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00720 from Legacy to STORET.						
MNPCA1	LEG_P00721	Active	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00721 from Legacy to STORET.						
MNPCA1	LEG_P00745	Active	SULFIDE, TOTAL (MG/L AS S)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00745 from Legacy to STORET.						
MNPCA1	LEG_P00746	Active	SULFIDE, DISSOLVED (MG/L AS S)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00746 from Legacy to STORET.						
MNPCA1	LEG_P00800	Active	NITZSCHIA KUTZINGIANA HILSE (NO/LITER)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00800 from Legacy to STORET.						
MNPCA1	LEG_P00900	Active	HARDNESS, TOTAL (MG/L AS CaCO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00900 from Legacy to STORET.						
MNPCA1	LEG_P00910	Active	CALCIUM (MG/L AS CaCO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00910 from Legacy to STORET.						
MNPCA1	LEG_P00915	Active	CALCIUM, DISSOLVED (MG/L AS Ca)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00915 from Legacy to STORET.						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P00916	Active	CALCIUM, TOTAL (MG/L AS CA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00916 from Legacy to STORET.						
MNPCA1	LEG_P00920	Active	MAGNESIUM (MG/L AS CACO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00920 from Legacy to STORET.						
MNPCA1	LEG_P00924	Active	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00937 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_P0094 0	Active	CHLORIDE, TOTAL IN WATER MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00940 from Legacy to STORET.					
MNPCA1	LEG_P0094 1	Active	CHLORIDE, DISSOLVED IN WATER MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00941 from Legacy to STORET.					
MNPCA1	LEG_P0094 5	Active	SULFATE, TOTAL (MG/L AS SO4)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00945 from Legacy to STORET.					
MNPCA1	LEG_P0094 6	Active	SULFATE, DISSOLVED (MG/L AS SO4)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 SiO2)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b>	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 SiO2)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b>	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 --			
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 00958 from Legacy to STORET.					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P00969	Active	CHRYSTOTILE ASBESTOS FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00969 from Legacy to STORET.						
MNPCA1	LEG_P00970	Active	TREMOLITE AMPHIBOLE FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00970 from Legacy to STORET.						
MNPCA1	LEG_P00971	Active	HORNBLende AMPHIBOLE FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00971 from Legacy to STORET.						
MNPCA1	LEG_P00972	Active	AMBIGUOUS AMPHIBOLE FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00972 from Legacy to STORET.						
MNPCA1	LEG_P00973	Active	AMPHIBOLE ASBESTOS FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00973 from Legacy to STORET.						
MNPCA1	LEG_P00974	Active	ACTINOLITE AMPHIBOLE FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00974 from Legacy to STORET.						
MNPCA1	LEG_P00975	Active	CUMMINGTON-GRUNERITE AMPHIBOLE FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00975 from Legacy to STORET.						
MNPCA1	LEG_P00976	Active	AMBIGUOUS ASBESTOS FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00976 from Legacy to STORET.						
MNPCA1	LEG_P00977	Active	NON-AMPHIBOLE NON-CHRYSTOTILE ASBESTOS FIBERS/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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<b>Description</b> This procedure was assigned upon migration of results with parameter code 00977 from Legacy to STORET.						
MNPCA1	LEG_P00978	Active	ARSENIC,TOTAL RECOVERABLE IN WATER AS AS UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 00978 from Legacy to STORET.						
MNPCA1	LEG_P01000	Active	ARSENIC, DISSOLVED (UG/L AS AS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01000 from Legacy to STORET.						
MNPCA1	LEG_P01002	Active	ARSENIC, TOTAL (UG/L AS AS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01012 from Legacy to STORET.						
MNPCA1	LEG_P0101	Active	CADMIUM (CD), BOTTOM	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		
	9		DEPOSITS, TOTAL, WET WT,MG/KG	Unknown, Vol --			
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 01019 from Legacy to STORET.						
MNPCA1	LEG_P0102 0	Active	BORON, DISSOLVED (UG/L AS B)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 01020 from Legacy to STORET.						
MNPCA1	LEG_P0102 2	Active	BORON, TOTAL (UG/L AS B)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 01022 from Legacy to STORET.						
MNPCA1	LEG_P0102 5	Active	CADMIUM, DISSOLVED (UG/L AS CD)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b> 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 --			
	<b>Description</b> 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 --			
	<b>Description</b> 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 --			
	<b>Description</b> 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 --			
	<b>Description</b> 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 --			
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 01032 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_P0103 4	Active	CHROMIUM, TOTAL (UG/L AS CR)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 01037 from Legacy to STORET.					
MNPCA1	LEG_P0104 0	Active	COPPER, DISSOLVED (UG/L AS CU)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 01047 from Legacy to STORET.					



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P01049	Active	LEAD, DISSOLVED (UG/L AS PB)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01049 from Legacy to STORET.						
MNPCA1	LEG_P01051	Active	LEAD, TOTAL (UG/L AS PB)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01051 from Legacy to STORET.						
MNPCA1	LEG_P01052	Active	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01052 from Legacy to STORET.						
MNPCA1	LEG_P01053	Active	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01053 from Legacy to STORET.						
MNPCA1	LEG_P01055	Active	MANGANESE, TOTAL (UG/L AS MN)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01055 from Legacy to STORET.						
MNPCA1	LEG_P01056	Active	MANGANESE, DISSOLVED (UG/L AS MN)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01056 from Legacy to STORET.						
MNPCA1	LEG_P01059	Active	THALLIUM, TOTAL (UG/L AS TL)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01059 from Legacy to STORET.						
MNPCA1	LEG_P01062	Active	MOLYBDENUM, TOTAL (UG/L AS MO)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01062 from Legacy to STORET.						
MNPCA1	LEG_P01064	Active	TELLURIUM, TOTAL 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
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01068 from Legacy to STORET.						
MNPCA1	LEG_P0106 9	Active	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01069 from Legacy to STORET.						
MNPCA1	LEG_P0107 4	Active	NICKEL, TOTAL RECOVERABLE IN WATER AS NI UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01074 from Legacy to STORET.						
MNPCA1	LEG_P0107 7	Active	SILVER, TOTAL (UG/L AS AG)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01077 from Legacy to STORET.						
MNPCA1	LEG_P0108 2	Active	STRONTIUM, TOTAL (UG/L AS SR)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01082 from Legacy to STORET.						
MNPCA1	LEG_P0108 7	Active	VANADIUM, TOTAL (UG/L AS V)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01087 from Legacy to STORET.						
MNPCA1	LEG_P0109	Active	ZINC, DISSOLVED (UG/L	Unknown, 19--, No Cite - Method Not Cited,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	0		AS ZN)	Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 01090 from Legacy to STORET.				
MNPCA1	LEG_P0109 2	Active	ZINC, TOTAL (UG/L AS ZN)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 01092 from Legacy to STORET.				
MNPCA1	LEG_P0109 3	Active	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 01093 from Legacy to STORET.				
MNPCA1	LEG_P0109 7	Active	ANTIMONY, TOTAL (UG/L AS SB)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 01113 from Legacy to STORET.				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P0111 4	Active	LEAD,TOTAL RECOVERABLE IN WATER AS PB UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		

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<b>Description</b> This procedure was assigned upon migration of results with parameter code 01152 from Legacy to STORET.						
MNPCA1	LEG_P01170	Active	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01170 from Legacy to STORET.						
MNPCA1	LEG_P01200	Active	SELENIUM IN TERRESTRIAL SOIL DRY WEIGHT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01200 from Legacy to STORET.						
MNPCA1	LEG_P01501	Active	ALPHA, TOTAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01501 from Legacy to STORET.						
MNPCA1	LEG_P01503	Active	ALPHA, DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01503 from Legacy to STORET.						
MNPCA1	LEG_P01505	Active	ALPHA, SUSPENDED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01505 from Legacy to STORET.						
MNPCA1	LEG_P01519	Active	RADIATION, GROSS ALPHA, WHOLE WATER PC/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 01519 from Legacy to STORET.						
MNPCA1	LEG_P03501	Active	BETA, TOTAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 03501 from Legacy to STORET.						
MNPCA1	LEG_P03503	Active	BETA, DISSOLVED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 03503 from Legacy to STORET.						
MNPCA1	LEG_P0350	Active	BETA, SUSPENDED	Unknown, 19--, No Cite - Method Not Cited,		

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	5			Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 03505 from Legacy to STORET.				
MNPCA1	LEG_P03520	Active	RADIATION,GROSS BETA UC/ML	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 03520 from Legacy to STORET.				
MNPCA1	LEG_P04225	Active	CATION AND ANION SUMMATION, QC CHECK % DIFFERNCE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 04225 from Legacy to STORET.				
MNPCA1	LEG_P07000	Active	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 07000 from Legacy to STORET.				
MNPCA1	LEG_P07017	Active	TRITIUM, TOTAL (TRITIUM UNITS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 07017 from Legacy to STORET.				
MNPCA1	LEG_P09501	Active	RADIUM 226, TOTAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 09501 from Legacy to STORET.				
MNPCA1	LEG_P11501	Active	RADIUM 228, TOTAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 11501 from Legacy to STORET.				
MNPCA1	LEG_P13501	Active	STRONTIUM 90, TOTAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 13501 from Legacy to STORET.				
MNPCA1	LEG_P30192	Active	MCPA, WATER, WHOLE, RECOVERABLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 30192 from Legacy to STORET.				

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P30295	Active	PROPACHLOR, WATER, WHOLE, RECOVERABLE, UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 30295 from Legacy to STORET.						
MNPCA1	LEG_P31501	Active	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 31501 from Legacy to STORET.						
MNPCA1	LEG_P31503	Active	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> 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 --		
<b>Description</b> 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,44.5 C	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 31616 from Legacy to STORET.						
MNPCA1	LEG_P31625	Active	FECAL COLIFORM, MF,M-FC, 0.7 UM	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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
<b>Description</b> This procedure was assigned upon migration of fecal streptococcus results with parameter code 31673 from Legacy to STORET.						
MNPCA1	LEG_P3167	Active	FECAL	Unknown, 19--, No Cite - Method Not Cited,		



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	9		STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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### MNPCA1

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
CORRECTED						
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 32211 from Legacy to STORET.						
MNPCA1	LEG_P32212	Active	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 32212 from Legacy to STORET.						
MNPCA1	LEG_P32214	Active	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 32214 from Legacy to STORET.						
MNPCA1	LEG_P32218	Active	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 32218 from Legacy to STORET.						
MNPCA1	LEG_P32219	Active	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AF TER ACID	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 32219 from Legacy to STORET.						
MNPCA1	LEG_P32230	Active	CHLOROPHYLL A (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 32230 from Legacy to STORET.						
MNPCA1	LEG_P3273	Active	PHENOLICS, TOTAL,	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		
	0		RECOVERABLE (UG/L)	Unknown, Vol --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 32732 from Legacy to STORET.					
MNPCA1	LEG_P3273 3	Active	PHENOLICS,SUSPENDED, UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	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 --			
	<b>Description</b>	This procedure was assigned upon migration of results with parameter code 34233 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_P3424 5	Active	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		<b>Description</b>	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 --		
		<b>Description</b>	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 --		
		<b>Description</b>	This procedure was assigned upon migration of results with parameter code 34301 from Legacy to STORET.			
MNPCA1	LEG_P3431 1	Active	CHLOROETHANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		<b>Description</b>	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 --		
		<b>Description</b>	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 --		
		<b>Description</b>	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 --		
		<b>Description</b>	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 --		
		<b>Description</b>	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 --		
		<b>Description</b>	This procedure was assigned upon migration of results with parameter code 34391 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_P3440 6	Active	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		<b>Description</b>	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 --		
		<b>Description</b>	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 --		
		<b>Description</b>	This procedure was assigned upon migration of results with parameter code 34418 from Legacy to STORET.			
MNPCA1	LEG_P3442 3	Active	METHYLENE CHLORIDE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		<b>Description</b>	This procedure was assigned upon migration of results with parameter code 34423 from Legacy to STORET.			
MNPCA1	LEG_P3444 5	Active	NAPHTHALENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		<b>Description</b>	This procedure was assigned upon migration of results with parameter code 34445 from Legacy to STORET.			
MNPCA1	LEG_P3446 4	Active	PHENANTHRENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		<b>Description</b>	This procedure was assigned upon migration of results with parameter code 34464 from Legacy to STORET.			
MNPCA1	LEG_P3447 2	Active	PYRENE DRY WGTBOTUG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		<b>Description</b>	This procedure was assigned upon migration of results with parameter code 34472 from Legacy to STORET.			
MNPCA1	LEG_P3447 5	Active	TETRACHLOROETHYLEN E TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		<b>Description</b>	This procedure was assigned upon migration of results with parameter code 34475 from Legacy to STORET.			
MNPCA1	LEG_P3448 0	Active	THALLIUM DRY WGTBOTMG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
		<b>Description</b>	This procedure was assigned upon migration of results with parameter code 34480 from Legacy to STORET.			

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P3448 8	Active	TRICHLOROFLUOROMET HANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 34488 from Legacy to STORET.						
MNPCA1	LEG_P3449 6	Active	1,1-DICHLOROETHANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 34496 from Legacy to STORET.						
MNPCA1	LEG_P3450 1	Active	1,1-DICHLOROETHYLENE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 34501 from Legacy to STORET.						
MNPCA1	LEG_P3450 6	Active	1,1,1-TRICHLOROETHANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 34576 from Legacy to STORET.						
MNPCA1	LEG_P3466 8	Active	DICHLORODIFLUOROMETH ANE TOTWUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 34668 from Legacy to STORET.						

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MNPCA1		Minnesota Pollution Control Agency				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P34669	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_P34670	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_P34671	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.				
MNPCA1	LEG_P34674	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_P34680	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_P34682	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_P34685	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_P34686	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_P34688	Active	HEXACHLOROBENZENE WET	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		
			WGTTISMG/KG				
	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 --			
	Description	This procedure was assigned upon migration of results with parameter code 34691 from Legacy to STORET.					
MNPCA1	LEG_P3469 6	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_P3469 9	Active	TRANS-1,3- DICHLOROPROPENETOT AL 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_P3470 4	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_P3475 4	Active	2,3,7,8- TETRACHLORODIBENZO- P-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_P3476 4	Active	ALDRIN, WET WEIGHT, TISSUE UG/G	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
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 38578 from Legacy to STORET.						
MNPCA1	LEG_P38680	Active	CHLOROTOLUENE,2-, TOTAL, WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 38680 from Legacy to STORET.						
MNPCA1	LEG_P38697	Active	PCB, TOTAL, MISC MATRIX, WET WEIGHT UG/G	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 38697 from Legacy to STORET.						
MNPCA1	LEG_P38710	Active	BENTAZON WATER, TOTUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 38710 from Legacy to STORET.						
MNPCA1	LEG_P38740	Active	CHLORPYRIFOS-METHYL WATER, TOTUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 38740 from Legacy to STORET.						
MNPCA1	LEG_P38787	Active	ETHALFLURALIN WATER, TOTUG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 38787 from Legacy to STORET.						
MNPCA1	LEG_P3902	Active	PHORATE, FLAME	Unknown, 19--, No Cite - Method Not Cited,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	3		IONIZATION, WATER SAMPLE (UG/L)	Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39053 from Legacy to STORET.						
MNPCA1	LEG_P3905 5	Active	SIMAZINE IN WHOLE WATER (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39055 from Legacy to STORET.						
MNPCA1	LEG_P3905 6	Active	PROMETONE IN WHOLE WATER (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39056 from Legacy to STORET.						
MNPCA1	LEG_P3906 0	Active	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39060 from Legacy to STORET.						
MNPCA1	LEG_P3906 1	Active	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39061 from Legacy to STORET.						
MNPCA1	LEG_P3906 2	Active	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	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
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39062 from Legacy to STORET.						
MNPCA1	LEG_P3906 3	Active	CHLORDANE-CIS ISOMER, TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39063 from Legacy to STORET.						
MNPCA1	LEG_P3906 4	Active	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39064 from Legacy to STORET.						
MNPCA1	LEG_P3906 5	Active	CHLORDANE-TRNS ISOMER, WHOLE WATER SAMPL (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39065 from Legacy to STORET.						
MNPCA1	LEG_P3906 6	Active	CHLORDANE-TRANS ISOMER, TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39066 from Legacy to STORET.						
MNPCA1	LEG_P3906 7	Active	CHLORDANE-TRANS ISOMER, BOTTOM DEPOS (UG/KG DRY SL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39067 from Legacy to STORET.						
MNPCA1	LEG_P3906 8	Active	CHLORDANE-NONACHLOR, CIS ISO, WHOLE WTR (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39068 from Legacy to STORET.						
MNPCA1	LEG_P3906 9	Active	CHLORDANE-NONACHLOR, CIS ISO, TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39069 from Legacy to STORET.						

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MNPCA1	LEG_P3907 1	Active	CHLORDANE- NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		This procedure was assigned upon migration of results with parameter code 39071 from Legacy to STORET.				
MNPCA1	LEG_P3907 2	Active	CHLORDANE- NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		This procedure was assigned upon migration of results with parameter code 39072 from Legacy to STORET.				
MNPCA1	LEG_P3907 3	Active	CHLORDANE- NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		This procedure was assigned upon migration of results with parameter code 39073 from Legacy to STORET.				
MNPCA1	LEG_P3907 4	Active	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		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 --		
<b>Description</b>		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 --		
<b>Description</b>		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 --		
<b>Description</b>		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 --		
<b>Description</b>		This procedure was assigned upon migration of results with parameter code 39180 from Legacy to STORET.				

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### MNPCA1 Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P39300	Active	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39300 from Legacy to STORET.						
MNPCA1	LEG_P39301	Active	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39301 from Legacy to STORET.						
MNPCA1	LEG_P39302	Active	P P DDT IN TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39302 from Legacy to STORET.						
MNPCA1	LEG_P39305	Active	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39312 from Legacy to STORET.						
MNPCA1	LEG_P3931 5	Active	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39315 from Legacy to STORET.						
MNPCA1	LEG_P3931 6	Active	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39316 from Legacy to STORET.						
MNPCA1	LEG_P3932 0	Active	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39320 from Legacy to STORET.						
MNPCA1	LEG_P3932 1	Active	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39327 from Legacy to STORET.						
MNPCA1	LEG_P3932	Active	O,P'DDE IN BOTTOM	Unknown, 19--, No Cite - Method Not Cited,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	8		DEPOS (UG/KG DRY SOLIDS)	Unknown, Vol --		
	<b>Description</b> 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 --		
	<b>Description</b> 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 --		
	<b>Description</b> 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 --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39333 from Legacy to STORET.					
MNPCA1	LEG_P3933 7	Active	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39337 from Legacy to STORET.					
MNPCA1	LEG_P3934 0	Active	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39340 from Legacy to STORET.					
MNPCA1	LEG_P3934 3	Active	GAMMA-BHC(LINDANE),SEDIMENT S,DRY WGT,UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39343 from Legacy to STORET.					
MNPCA1	LEG_P3935 0	Active	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39350 from Legacy to STORET.					
MNPCA1	LEG_P3935	Active	CHLORDANE(TECH	Unknown, 19--, No Cite - Method Not Cited,		



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	1		MIX&METABS),SEDIMENT S,DRY WGT,UG/KG	Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39351 from Legacy to STORET.					
MNPCA1	LEG_P3935 6	Active	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39356 from Legacy to STORET.					
MNPCA1	LEG_P3935 9	Active	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39359 from Legacy to STORET.					
MNPCA1	LEG_P3936 5	Active	DDE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39365 from Legacy to STORET.					
MNPCA1	LEG_P3937 0	Active	DDT IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39370 from Legacy to STORET.					
MNPCA1	LEG_P3937 6	Active	DDT SUM ANALOGS INTISSUE WET WGT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39376 from Legacy to STORET.					
MNPCA1	LEG_P3937 9	Active	SUM OF ALL DDT,DDE& DDD VALUES IN WHL WATER SAMP	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39379 from Legacy to STORET.					
MNPCA1	LEG_P3938 0	Active	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39380 from Legacy to STORET.					
MNPCA1	LEG_P3938 3	Active	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	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
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39400 from Legacy to STORET.						
MNPCA1	LEG_P39404	Active	DIELDRIN IN TISSUE WET WGT (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39404 from Legacy to STORET.						
MNPCA1	LEG_P39405	Active	DIELDRIN IN TISSUE, FAT BASIS (UG/G)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39405 from Legacy to STORET.						
MNPCA1	LEG_P39410	Active	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39410 from Legacy to STORET.						
MNPCA1	LEG_P39420	Active	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39420 from Legacy to STORET.						
MNPCA1	LEG_P39480	Active	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39480 from Legacy to STORET.						
MNPCA1	LEG_P3948	Active	METHOXYCHLOR IN	Unknown, 19--, No Cite - Method Not Cited,		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	1		BOTTOM DEPOSITS (UG/KG DRY SOL.)	Unknown, Vol --		
	<b>Description</b> 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 --		
	<b>Description</b> 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 --		
	<b>Description</b> 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 SOL UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39499 from Legacy to STORET.					
MNPCA1	LEG_P3950 4	Active	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39504 from Legacy to STORET.					
MNPCA1	LEG_P3950 5	Active	PCB - 1254 IN FILT. FRAC. OF WAT. SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39505 from Legacy to STORET.					
MNPCA1	LEG_P3950 7	Active	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39507 from Legacy to STORET.					
MNPCA1	LEG_P3950 8	Active	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39508 from Legacy to STORET.					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P3951 1	Active	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39511 from Legacy to STORET.						
MNPCA1	LEG_P3951 2	Active	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39512 from Legacy to STORET.						
MNPCA1	LEG_P3951 4	Active	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39514 from Legacy to STORET.						
MNPCA1	LEG_P3951 5	Active	PCBS (MG/KG) FISH TISSUE MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39515 from Legacy to STORET.						
MNPCA1	LEG_P3951 6	Active	PCBS IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39516 from Legacy to STORET.						
MNPCA1	LEG_P3951 9	Active	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39519 from Legacy to STORET.						
MNPCA1	LEG_P3957 0	Active	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39570 from Legacy to STORET.						
MNPCA1	LEG_P3960 0	Active	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39600 from Legacy to STORET.						
MNPCA1	LEG_P3963	Active	ATRAZINE(AATREX) IN	Unknown, 19--, No Cite - Method Not Cited,		

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	0		WHOLE WATER SAMPLE (UG/L)	Unknown, Vol --			
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39630 from Legacy to STORET.						
MNPCA1	LEG_P3970 0	Active	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39700 from Legacy to STORET.						
MNPCA1	LEG_P3970 1	Active	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 39701 from Legacy to STORET.						
MNPCA1	LEG_P3972 0	Active	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b> 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 --			
	<b>Description</b> 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 --			
	<b>Description</b> 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 --			
	<b>Description</b> 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 --			
	<b>Description</b> 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 --			

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<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 39785 from Legacy to STORET.						
MNPCA1	LEG_P3981 0	Active	CHLORDANE,GAMMA,IN WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 46313 from Legacy to STORET.						
MNPCA1	LEG_P4631	Active	LASSO IN WHOLE WATER	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		SAMPLE (UG/L)	Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 46317 from Legacy to STORET.					
MNPCA1	LEG_P46491	Active	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 46491 from Legacy to STORET.					
MNPCA1	LEG_P46502	Active	ZOOPLANKTON, TOTAL COUNT /LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 46502 from Legacy to STORET.					
MNPCA1	LEG_P46570	Active	HARDNESS, CA MG CALCULATED (MG/L AS CaCO3)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 46570 from Legacy to STORET.					
MNPCA1	LEG_P49490	Active	VISUAL OBSERVATION, SUSPENDED, WATER CODE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 49490 from Legacy to STORET.					
MNPCA1	LEG_P49701	Active	TRANSPARENCY, SECCHI DISK, WATER FT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 49701 from Legacy to STORET.					
MNPCA1	LEG_P50040	Active	ELEVATION OF WATER LEVEL WITH REF.TO MEAN SEA L FT	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 50040 from Legacy to STORET.					
MNPCA1	LEG_P50050	Active	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 50050 from Legacy to STORET.					
MNPCA1	LEG_P50060	Active	CHLORINE, TOTAL RESIDUAL (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
<b>Description</b> This procedure was assigned upon migration of results with parameter code 50060 from Legacy to STORET.						
MNPCA1	LEG_P50086	Active	SETTLEABLE MATTER (ML/L/HR)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 50086 from Legacy to STORET.						
MNPCA1	LEG_P50284	Active	MERCURY,METHYL-,WAT,UNFILTERED,RECOVERABLE NG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 50284 from Legacy to STORET.						
MNPCA1	LEG_P60050	Active	ALGAE, TOTAL (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 60050 from Legacy to STORET.						
MNPCA1	LEG_P60100	Active	ALGAE, COCCOID BLUE-GREEN (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 60100 from Legacy to STORET.						
MNPCA1	LEG_P60150	Active	ALGAE, FILAMENTOUS BLUE-GREEN (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 60150 from Legacy to STORET.						
MNPCA1	LEG_P60200	Active	ALGAE, COCCOID GREEN (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 60200 from Legacy to STORET.						
MNPCA1	LEG_P60300	Active	ALGAE, FLAGELLATE GREEN (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 60300 from Legacy to STORET.						
MNPCA1	LEG_P60350	Active	ALGAE, FLAGELLATE OTHER (CELLS/ML)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 60350 from Legacy to STORET.						
MNPCA1	LEG_P60370	Active	ALGAE, DIATOMS (CELLS/ML)	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
<b>Description</b> This procedure was assigned upon migration of results with parameter code 60370 from Legacy to STORET.						
MNPCA1	LEG_P60990	Active	ZOOPLANKTON OTHER (LITER)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 60990 from Legacy to STORET.						
MNPCA1	LEG_P70299	Active	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 70299 from Legacy to STORET.						
MNPCA1	LEG_P70300	Active	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 70300 from Legacy to STORET.						
MNPCA1	LEG_P70301	Active	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 70320 from Legacy to STORET.						
MNPCA1	LEG_P7032	Active	SOLIDS, VOLATILE,	Unknown, 19--, No Cite - Method Not Cited,		

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	2		PERCENT OF TOTAL SOLIDS	Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 70322 from Legacy to STORET.					
MNPCA1	LEG_P7034 8	Active	SOLIDS, SETTLEABLE ML/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 70348 from Legacy to STORET.					
MNPCA1	LEG_P7050 7	Active	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 70507 from Legacy to STORET.					
MNPCA1	LEG_P7182 5	Active	ACIDITY, TOTAL (MG/L AS H)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 71825 from Legacy to STORET.					
MNPCA1	LEG_P7187 0	Active	BROMIDE (MG/L AS BR)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 71870 from Legacy to STORET.					
MNPCA1	LEG_P7187 5	Active	HYDROGEN SULFIDE (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 71875 from Legacy to STORET.					
MNPCA1	LEG_P7188 5	Active	IRON (UG/L AS FE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 71885 from Legacy to STORET.					
MNPCA1	LEG_P7189 0	Active	MERCURY, DISSOLVED (UG/L AS HG)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 71890 from Legacy to STORET.					
MNPCA1	LEG_P7190 0	Active	MERCURY, TOTAL (UG/L AS HG)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> This procedure was assigned upon migration of results with parameter code 71900 from Legacy to STORET.					

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P71901	Active	MERCURY,TOTAL RECOVERABLE IN WATER AS HG UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 71930 from Legacy to STORET.						
MNPCA1	LEG_P71936	Active	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 71936 from Legacy to STORET.						
MNPCA1	LEG_P71937	Active	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 71937 from Legacy to STORET.						
MNPCA1	LEG_P71938	Active	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 71938 from Legacy to STORET.						
MNPCA1	LEG_P71939	Active	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 71939 from Legacy to STORET.						
MNPCA1	LEG_P71940	Active	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	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
<b>Description</b> This procedure was assigned upon migration of results with parameter code 71940 from Legacy to STORET.						
MNPCA1	LEG_P72017	Active	SERIES CODE (BM WELL DATA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 72017 from Legacy to STORET.						
MNPCA1	LEG_P72018	Active	SYSTEM CODE (BM WELL DATA)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 72018 from Legacy to STORET.						
MNPCA1	LEG_P72019	Active	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 72019 from Legacy to STORET.						
MNPCA1	LEG_P72109	Active	DEPTH TO WATER LEVEL FROM A MEASURING POINT (FEET)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 72109 from Legacy to STORET.						
MNPCA1	LEG_P73010	Active	ETHYL ETHER BY GAS CHROMATOGRAPH (MG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 73010 from Legacy to STORET.						
MNPCA1	LEG_P73540	Active	CARBOMETHACID,(1METHE TH),S-(2,3DICL2PROP)ESTOTWU G/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 73540 from Legacy to STORET.						
MNPCA1	LEG_P74010	Active	IRON, TOTAL (MG/L AS FE)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 74010 from Legacy to STORET.						
MNPCA1	LEG_P74020	Active	FLOW, PUMP OUT MGD	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 74020 from Legacy to STORET.						

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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 4	Active	ETHANOL 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 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 --		

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<b>Description</b> This procedure was assigned upon migration of results with parameter code 77093 from Legacy to STORET.						
MNPCA1	LEG_P77119	Active	DICHLOROMONOFUORO METHANE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 77119 from Legacy to STORET.						
MNPCA1	LEG_P77128	Active	STYRENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 77128 from Legacy to STORET.						
MNPCA1	LEG_P77134	Active	1,3-DIMETHYLBENZENE(M-XYLENE) WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 77170 from Legacy to STORET.						
MNPCA1	LEG_P77173	Active	1,3-DICHLOROPROPANE 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,UG/L			
	Description	This procedure was assigned upon migration of results with parameter code 77173 from Legacy to STORET.				
MNPCA1	LEG_P7722 2	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_P7722 3	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_P7722 4	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.				
MNPCA1	LEG_P7722 6	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_P7734 2	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_P7735 0	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_P7735 3	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_P7744 3	Active	1,2,3- TRICHLOROPROPANE 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
<b>Description</b> This procedure was assigned upon migration of results with parameter code 77443 from Legacy to STORET.						
MNPCA1	LEG_P7756 2	Active	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 77562 from Legacy to STORET.						
MNPCA1	LEG_P7759 6	Active	METHYLENE BROMIDE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 77596 from Legacy to STORET.						
MNPCA1	LEG_P7761 3	Active	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 77613 from Legacy to STORET.						
MNPCA1	LEG_P7765 1	Active	1,2-DIBROMOETHANE WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 77825 from Legacy to STORET.						



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MNPCA1		Minnesota Pollution Control Agency				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P78093	Active	TRI(CHLOROETHYL)PHOSPHATE 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_P78109	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_P78110	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_P78121	Active	P-XYLENE + O-XYLENE,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 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,PCI/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.					

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### MNPCA1 Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P7888 1	Active	PHOSPHAMIDON (DIMECRON), WHOLE WATER UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 78881 from Legacy to STORET.						
MNPCA1	LEG_P7892 6	Active	FAT, PERCENT, IN TISSUE, WET WEIGHT %	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 78926 from Legacy to STORET.						
MNPCA1	LEG_P7902 7	Active	OCTACHLOR EPOXIDE IN FISH WET WGT MG/KG	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 79027 from Legacy to STORET.						
MNPCA1	LEG_P8002 9	Active	ALPHA GROSS TOTAL AS URANIUM NATURAL PC/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 80029 from Legacy to STORET.						
MNPCA1	LEG_P8008 0	Active	BOD, CARBONACEOUS, 1 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 80080 from Legacy to STORET.						
MNPCA1	LEG_P8008 1	Active	BOD, CARBONACEOUS, 3 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 80081 from Legacy to STORET.						
MNPCA1	LEG_P8008 2	Active	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 80082 from Legacy to STORET.						
MNPCA1	LEG_P8008 3	Active	BOD, CARBONACEOUS, 7 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 80083 from Legacy to STORET.						

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### MNPCA1 Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	LEG_P8008 4	Active	BOD, CARBONACEOUS, 10 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 80084 from Legacy to STORET.						
MNPCA1	LEG_P8008 6	Active	BOD, CARBONACEOUS, 15 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 80086 from Legacy to STORET.						
MNPCA1	LEG_P8008 7	Active	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 80087 from Legacy to STORET.						
MNPCA1	LEG_P8008 8	Active	BOD, CARBONACEOUS, 30 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		

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### MNPCA1

### Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> This procedure was assigned upon migration of results with parameter code 80154 from Legacy to STORET.						
MNPCA1	LEG_P80273	Active	BOD, CARBONACEOUS, 25 DAY, 20 DEG C MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 80273 from Legacy to STORET.						
MNPCA1	LEG_P81284	Active	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81284 from Legacy to STORET.						
MNPCA1	LEG_P81294	Active	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81294 from Legacy to STORET.						
MNPCA1	LEG_P81309	Active	CARBONDISULFIDE(CS2) WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81309 from Legacy to STORET.						
MNPCA1	LEG_P81327	Active	DICHLOROPROPANE WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81327 from Legacy to STORET.						
MNPCA1	LEG_P81364	Active	RDX IN WHOLE WATER SAMPLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81364 from Legacy to STORET.						
MNPCA1	LEG_P81403	Active	DURSBAN(CHLOROPYRIFOS)WHOLE WATER SAMPLE (UG/L)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81403 from Legacy to STORET.						
MNPCA1	LEG_P81405	Active	CARBOFURAN (EURADAN) WHOLE	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
WATER SAMPLE UG/L						
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81405 from Legacy to STORET.						
MNPCA1	LEG_P81408	Active	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81408 from Legacy to STORET.						
MNPCA1	LEG_P81410	Active	BUTYLATE (SUTAN),WHOLE WATER SAMPLE,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81410 from Legacy to STORET.						
MNPCA1	LEG_P81501	Active	PENTACHLOROETHANE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81501 from Legacy to STORET.						
MNPCA1	LEG_P81551	Active	XYLENE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81551 from Legacy to STORET.						
MNPCA1	LEG_P81552	Active	ACETONE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81552 from Legacy to STORET.						
MNPCA1	LEG_P81555	Active	BROMOBENZENE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81555 from Legacy to STORET.						
MNPCA1	LEG_P81576	Active	DIETHYL ETHER WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81576 from Legacy to STORET.						
MNPCA1	LEG_P81585	Active	ETHYL ACETATE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81585 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_P8159 5	Active	METHYL ETHYL KETONE WHL WATER SMPL UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
<b>Description</b>		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 --			
<b>Description</b>		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 --			
<b>Description</b>		This procedure was assigned upon migration of results with parameter code 81607 from Legacy to STORET.					
MNPCA1	LEG_P8161 4	Active	NUMBER OF INDIVIDUALS IN THE SAMPLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
<b>Description</b>		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 --			
<b>Description</b>		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 --			
<b>Description</b>		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 --			
<b>Description</b>		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 --			

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### MNPCA1 Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 81903 from Legacy to STORET.						
MNPCA1	LEG_P8198 4	Active	TOTAL SEDIMENT PARTICLE SIZE %COARSER THAN 8.00PHI	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		

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### MNPCA1

### Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b> This procedure was assigned upon migration of results with parameter code 82033 from Legacy to STORET.						
MNPCA1	LEG_P82051	Active	AMIBEN (CHLORAMBEN) WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 82051 from Legacy to STORET.						
MNPCA1	LEG_P82076	Active	EXPOSURE AREA (REPORTED IN SQUARE CM.)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 82076 from Legacy to STORET.						
MNPCA1	LEG_P82079	Active	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 82079 from Legacy to STORET.						
MNPCA1	LEG_P82088	Active	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 82088 from Legacy to STORET.						
MNPCA1	LEG_P82093	Active	PHYTOPLANKTON, TOTAL NVMBER/LITER	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 82093 from Legacy to STORET.						
MNPCA1	LEG_P82368	Active	CALCIUM DISSOLVED IN WATER AS CACO3 MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 82368 from Legacy to STORET.						
MNPCA1	LEG_P82369	Active	MAGNESIUM DISSOLVED AS CACO3 IN WATER MG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 82369 from Legacy to STORET.						
MNPCA1	LEG_P82407	Active	FONOFOS IN FISH TISSUE (DYFONATE) WET	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		
			WEIGHT MG/KG				
	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 --			
	Description	This procedure was assigned upon migration of results with parameter code 82545 from Legacy to STORET.					
MNPCA1	LEG_P8254 6	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_P8255 9	Active	HYDROCARBONS,VOLATI LE, 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_P8258 4	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_P8258 6	Active	ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE UG/L	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
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 82587 from Legacy to STORET.						
MNPCA1	LEG_P82614	Active	DYFONATE (FONOFOFOS), WATER, TOTAL RECOVERABLE, UG/L	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 84005 from Legacy to STORET.						
MNPCA1	LEG_P84007	Active	ANATOMY ALPHA CODE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 84007 from Legacy to STORET.						
MNPCA1	LEG_P84008	Active	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> 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 --		
<b>Description</b> This procedure was assigned upon migration of results with parameter code 84100 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_P8416 8	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_P8416 9	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_P8417 0	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_P8579 5	Active	XYLENE, META & PARA, 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 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 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 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,		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
				Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH001D	Active	Solids, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/160.3
MNPCA1	MDH002	Active	Solids, Volatile	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/160.4
MNPCA1	MDH002C	Active	Solids, Total Volatile	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/160.4
MNPCA1	MDH003	Active	Solids, Suspended	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/160.2
	<b>Description</b>	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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/160.4
MNPCA1	MDH005D	Active	Solids, Total Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/160.1

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	MDH011D	Active	Turbidity	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/180.1
MNPCA1	MDH012	Active	Color	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH013B	Active	pH	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/120.1
MNPCA1	MDH018	Active	Alkalinity, Carbonate	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH019	Active	Alkalinity, Bicarbonate	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		APHA/2320
MNPCA1	MDH022G	Active	Alkalinity, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		APHA/2320
MNPCA1	MDH023F	Active	Chloride, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/325.1
MNPCA1	MDH028D	Active	Sulfate, Total, Turbidimetric	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/375.4

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MNPCA1		Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages			
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)	
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,		USEPA/351.2	

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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	MDH067	Active	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		
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,		USEPA/405.1

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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	MDH095	Active	Biochemical Oxygen Demand, 20 day, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH096G	Active	Biochemical Oxygen Demand, 5 day, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH098	Active	Total Organic Carbon	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/415.2_M
MNPCA1	MDH099	Active	Dissolved Organic Carbon	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/415.1
MNPCA1	MDH152	Active	Iron, Total, High Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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	MDH166	Active	Manganese, Total, High Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH194	Active	Zinc in Water, Total, High Level	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH208F	Active	Calcium as CaCO3 SDWA, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH255F	Active	Potassium in Water, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/258.1_M
MNPCA1	MDH257G	Active	Sodium in Water, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		USEPA/273.1_M

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCA1	MDH261	Active	Water Content in Sediment	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH264	Active	Chemical Oxygen Demand in Sediment	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH293	Active	Sulfate, Total, Ion Chromatography	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		APHA/9222-D
MNPCA1	MDH311A	Active	MF - Escherichia Coli	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH313A	Active	MF - Fecal Streptococcus	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		APHA/9230-C
MNPCA1	MDH402	Active	SVOCs in Water by GCMS	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCA1	MDH451	Active	Pheophytin-A (H2O)	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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
				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)
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	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	NRRI 4500-NORGD	Active	Nitrogen, Total, by Block Digestion and 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		
MNPCA1	NRRI CHLA-	Active	Chlorophyll-a and Pheophytin by Spectrometry	Ameel, JJ et al, 1998, Analytical Chemistry and Quality Assurance Procedures for Natural Water,	Spectrophotometer	APHA/10200-H

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
	PHEO			Wastewater and Sediment Samples., Natural Resources Research Institute, nrri / tr - 98/28		
MNPCA1	PRTCLESZ_0.063	Active	Particle Size, Percent Smaller than 0.063mm	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b> 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 --		
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

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MNPCA1 Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	REDOX	Active	Oxidation-Reduction Potential	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages	Probe	
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	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

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### MNPCA1

### Minnesota Pollution Control Agency

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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-Mass Spectrometry (ICP/MS), Wisconsin State Laboratory of Hygiene, all pages	Inductively Coupled Plasma Combined with Mass Spectrophotome	USEPA/1638
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	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	110.3	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	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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MNPCA1	Minnesota Pollution Control Agency					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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	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	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 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	350.1	Active	Ammonia Nitrogen by	USEPA, 1993, Methods for the Determination of	Colorimeter	

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### MNPCA1

### Minnesota Pollution Control Agency

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	351.1	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	
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,	Colorimeter	



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MNPCA1		Minnesota Pollution Control Agency				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				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	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	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	415.2_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 Spectrophotome	
USEPA	8021A(ELC	Active	Halogenated and Aromatic	USEPA, 1994, Test Methods for Evaluating Solid	Capillary GC with	

## 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
	D)		Volatiles	Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II	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 --		

## Field/Lab Analytical Procedures and Equipment Detail

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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, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH005	Active	Solids, Total Dissolved	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH011D	Active	Turbidity	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH012	Active	Color	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , Minnesota Pollution Control Agency, all pages		
MNPCAB	MDH023F	Active	Chloride, Total	Minnesota Pollution Control Agency Quality Assurance Program, 2000, <a href="http://www.pca.state.mn.us/programs/qa_p.html">www.pca.state.mn.us/programs/qa_p.html</a> , 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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MNPCAG Minnesota Pollution Control Agency ground water data						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MNPCAG	1030	Active	Checking Correctness of Analyses Using Cation-Anion Basis	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCAG	1030F	Active	Cation-Anion Balance	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCAG	2110	Active	Visual Appearance	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition		
MNPCAG	245.7	Active	Mercury-CVA Fluorescence Spectrometry	USEPA, 2001, Method 245.7: Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, USEPA, EPA 821/R-01-008		
MNPCAG	300.0	Active	Cl, SO4, F, NO2, Br, NO3, and HPO4	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100	Ion Chromatograph	
MNPCAG	8021B	Active	Halogenated and Aromatic Volatiles (ELCD and/or PID)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCAG	8215	Active	Dissolved Oxygen (Azide Modification of Winkler Method)	Hach Chemical Company, 1992, Hach Water Analysis Handbook., HACH Chemical Company, 2nd Edition		
MNPCAG	8270 SIM	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		
MNPCAG	ASTM 3828	Active	Flashpoint	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCAG	CR_III_CAL C	Active	Chromium III by Calculation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCAG	I-4540-85	Active	Nitrite in Wastewater	USDOI, USGS, 19--, Methods for Determination		

## Field/Lab Analytical Procedures and Equipment Detail

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### MNPCAG

### Minnesota Pollution Control Agency ground water data

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				of Inorganic Substances in Water and Fluvial Sediments, Book 5, Chapter A1., USDOL, USGS, Book 5, Chapter A1		
MNPCAG	I1738	Active	Sodium Absorption Ratio	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MNPCAG	LF_HISTORIC	Active	Landfill Historic Data	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> Historic solid waste landfill data which we are migrating to Storet did not specify analytical procedures in some cases. This procedure was assigned upon migration to STORET where the historical analytical procedure could not be determined.						

## Field/Lab Analytical Procedures and Equipment Detail

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MNPCAP Minnesota Pollution Control Agency						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	
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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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					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				25 1997			
MONT-DEQ	243.1OR2\2 00.7	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\2 00.7	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\2 00.7	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			

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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 --		
<b>Description</b> 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	

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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		

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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		
	<b>Description</b>		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,		

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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		
<b>Description</b> The method used to obtain this result was either unknown or unavailable at the ime of processing.						
MONT-DEQ	V-286.2OR200.7	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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MRSENVMB		Marine Research				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 <a href="#">Document/Graphic</a>	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				
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,	Thermometer	

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### MRSENVMB

### Marine Research

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				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 <a href="#">Document/Graphic</a>		
<b>Description</b> 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 Water Quality Control Board and EPA Region 9, 1 <a href="#">Document/Graphic</a>	Human Eye	
<b>Description</b> 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		
<b>Description</b> Chemical Assays of MBCSD effluent grab sample 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		
<b>Description</b> Chemical Assays of blank sample conducted in conjunction with effluent sampling						



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### MRSENVMB

### Marine Research

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 <a href="#">Document/Graphic</a>	Secchi Disk with Calibrated Tether	

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MT-DEQ		Montana DEQ				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	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	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	2540-E	Active	Fixed and Volatile Solids in	American Public Health Association, 1992,	Laboratory	

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MT-DEQ		Montana DEQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Water	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	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-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-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	American Public Health Association, 1992,	Colorimeter	

## Field/Lab Analytical Procedures and Equipment Detail

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MT-DEQ		Montana DEQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			Colorimetry- Ascorbic Acid Method	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	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 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	
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		
MT-DEQ	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		
<b>Description</b>		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.				

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MT-DEQ		Montana DEQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MT-DEQ	202.1OR2\2 00.7	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		
MT-DEQ	220.1OR2\2 00.7	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		
MT-DEQ	236.1OR2\2 00.7	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 25 1997		
MT-DEQ	243.1OR2\2 00.7	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		
MT-DEQ	249.1OR2\2 00.7	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		
MT-DEQ	289.1OR2\2	Active	Zinc by AA - Flame or	Unknown, 19--, No Cite - Method Not Cited,		

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MT-DEQ		Montana DEQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
	00.7		Furnace 289.1 or 289.2 or 200.7 ICP	Unknown, Vol --		
MT-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		
MT-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		
MT-DEQ	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		
	<b>Description</b>	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.				
MT-DEQ	CA- 215.1OR20 0.7	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		
MT-DEQ	CD- 213.2OR20 0.7	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		

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MT-DEQ		Montana DEQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MT-DEQ	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.		
	<b>Description</b>	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.				
MT-DEQ	COLILERT	Active	Total coliform and E.coli - Colilert field MPN test kit	MT DEQ MDM, 1995, Standard Operating Procedures Manual, Montana Department of Environmental Quality, Volume 1		
MT-DEQ	FLOW- ESTIMATE D	Active	Flow, Estimated	MT DEQ MDM, 1995, Standard Operating Procedures Manual, Montana Department of Environmental Quality, Volume 1	Generic method- specific equipment	
MT-DEQ	FLOW- METER	Active	Flow, Average Velocity times Cross Sectional Area	MT DEQ MDM, 1995, Standard Operating Procedures Manual, Montana Department of Environmental Quality, Volume 1	Electromagnetic Current Meter	
MT-DEQ	FLOW- STAFF GAGE	Active	Flow, Determination from Staff Gage	MT DEQ MDM, 1995, Standard Operating Procedures Manual, Montana Department of Environmental Quality, Volume 1	Flow Rate Measurement Device	
MT-DEQ	FLOW- VISUAL EST	Active	Flow, Visually estimated	MT DEQ MDM, 1995, Standard Operating Procedures Manual, Montana Department of Environmental Quality, Volume 1		
MT-DEQ	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		
	<b>Description</b>	Hardness is Calculated from Mg and Ca laboratory determinations as per section 2340-B in the APHA method describing the calculation used.				
MT-DEQ	HG- 245.1OR24 5.2	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		

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MT-DEQ		Montana DEQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
				25 1997		
MT-DEQ	ICAP-SCAN	Active	Metals Scan via Inductively Coupled Argon Plasma Spectroscopy	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	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				
MT-DEQ	K-258.1OR200.7	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		
MT-DEQ	LECO	Active	LECO	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
MT-DEQ	MG-242.1OR200.7	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		
MT-DEQ	NA-273.1OR200.7	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		
MT-DEQ	PB-239.2OR200.7	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		



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MT-DEQ		Montana DEQ			Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	
				Division, Montana Power Company, Rev 3, June 25 1997	
MT-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
MT-DEQ	PERCENT_FINES	Active	Percent Fines Sediments in Stream Beds - DEQ modification of USFS method	USDA Forest Service, 1997, R1/R4 Fish and Fish Habitat Standard Inventory Procedures Handbook, USDA Forest Service, pp. 30	
MT-DEQ	SAR-CALC	Active	Sodium Adsorption Ratio Calculation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
	<b>Description</b>	Sodium Adsorption Ratio calculated from analytical laboratory results as Sodium Adsorption Ratio $[(Na)/(sq\ root\ of\ 1/2\ Ca + Mg)]$			
MT-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	
MT-DEQ	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
MT-DEQ	TN-CALC	Active	Total Nitrogen, TN - SUM of TKN + NO3 + NO2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	
MT-DEQ	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	
	<b>Description</b>	Total Persulfate Nitrogen (TPN): Persulfate followed by automated Cadmium reduction.			

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MT-DEQ		Montana DEQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
MT-DEQ	UNKNOWN	Active	Unknown Method or Procedure	MT DEQ MDM, 1995, Standard Operating Procedures Manual, Montana Department of Environmental Quality, Volume 1		
	<b>Description</b>	The method used to obtain this result was either unknown or unavailable at the ime of processing.				
MT-DEQ	USGS I 1030	Active	USGS I 1030	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	USGS I 1030				
MT-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		
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 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	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	

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MT-DEQ	Montana DEQ					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
					er	
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 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	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	

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MT-DEQ		Montana DEQ				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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	
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	

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MT-DEQ		Montana DEQ				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	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 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	

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MT-DEQ	Montana DEQ					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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	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 Spectrophotomet er	
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 Spectrophotomet er	
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 Spectrophotomet er	
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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**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 --		

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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 Deman	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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	HACH_FIEL D	Active	Hach field kit using color change or titration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This method relies on commercially available Hach products for field environmental testing.				
MTVOLWQM	LAMOTTE_ FIELD	Active	LaMotte field kit using color change or titration.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	This method relies on commercially available LaMotte products for field environmental testing.				
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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	Determination of field parameter taken using a handheld probe or field meter. Typically Horiba, Hach Senslon and YSI portable meters.				



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MTVOLWQM Montana Volunteer Water Quality Monitoring						
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
MTVOLWQM	TDS_METE R	Active	TDS determination using handheld probe.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		Typically instrument records conductivity and reports TDS using a calculation factor.				
MTVOLWQM	TURBIDITY _METER	Active	Turbidity using field colorimeter or turbidimeter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b>		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 --		
<b>Description</b>		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	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	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-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	
MTWTRSHD	FLOW-ESTIMATE D	Active	Flow, Estimated	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
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-STAFF GAGE	Active	Flow, Determination from Staff Gage	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --	Flow Rate Measurement Device	
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		

## 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
<b>Description</b> 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 --		
<b>Description</b> The method used to obtain this result was either unknown or unavailable at the ime of processing.						
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(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	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	

## 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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### 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 --			
	<b>Description</b>	Otoe-Missouria Alkalinity Analytical Procedure					
O-MTRIBE	OM-FLOW	Active	Otoe-Missouria Flow Analytical Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --			
	<b>Description</b>	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		

## Field/Lab Analytical Procedures and Equipment Detail

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### OKCONCOM

### Oklahoma Conservation 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	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 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,	pH meter	

## Field/Lab Analytical Procedures and Equipment Detail

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### OKCONCOM

### Oklahoma Conservation 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-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 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	American Public Health Association, 1992,	Titration	

## Field/Lab Analytical Procedures and Equipment Detail

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### OKCONCOM

### Oklahoma Conservation Commission

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Stannous Chloride Titration	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	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 --		
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	Unknown, 19--, No Cite - Method Not Cited,		



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OKCONCOM		Oklahoma Conservation Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
			used for Barium analysis is unknown	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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.				
OKCONCOM	BT-NO3	Active	Blue Thumb Nitrate-Nitrogen Test	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
	<b>Description</b>	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.				

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OKCONCOM		Oklahoma Conservation Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
OKCONCOM	CB-FISH	Active	Seine Fish Collection Procedure-Combined Processes	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
<p><b>Description</b> 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 (&gt; 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 (&gt; 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.</p>						
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 --		
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, 19--, No Cite - Method Not Cited, Unknown, Vol --		

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OKCONCOM		Oklahoma Conservation Commission				
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			unknown			
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		
	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		

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OKCONCOM		Oklahoma Conservation Commission					Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
	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 --			
	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 --			

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OKCONCOM		Oklahoma Conservation Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
<b>Description</b> 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 --		
<b>Description</b> 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-m <sup>2</sup> areas of the riffle must be sampled. They can be square, rectangular or trapezoidal so long as each area equals 1 m <sup>2</sup> 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-m <sup>2</sup> 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-m <sup>2</sup> 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 m <sup>2</sup> 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 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 --		

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OKCONCOM		Oklahoma Conservation Commission				Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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 --		
	Description	A modified version of EPA Rapid Bioassessment Protocol (RBPs) was adopted for macroinvertebrate collections. As stated above, the collection methods are geared toward assessing communities that require or prefer flowing water. Lotic communities require a substrate of some type to attach to. The most common substrates encountered are rocky riffles, streamside vegetation, and woody debris. All three substrates can be sampled (when available) to provide an accurate representation of the various communities in the stream. A combination of collection techniques is used for each habitat. Organisms collected from these habitats are subsampled and sent to a professional macroinvertebrate taxonomist and enumerated to genus level, when possible. Definition of Streamside Vegetation Habitat:				

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OKCONCOM		Oklahoma Conservation Commission				
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 --		
	Description	A modified version of EPA Rapid Bioassessment Protocol (RBPs) was adopted for macroinvertebrate collections. The collection methods are geared toward assessing communities that require or prefer flowing water. Lotic communities require a substrate of some type to attach to. The most common substrates encountered are rocky riffles, streamside vegetation, and woody debris. All three substrates can be sampled (when available) to provide an accurate representation of the various communities in the stream. A combination of collection techniques is used for each habitat. Organisms collected from these habitats are subsampled and sent to a professional macroinvertebrate taxonomist and enumerated to genus level, when possible. Definition of Woody Debris Habitat: Any dead wood with or without bark located in the stream with suitable current flowing over it.				
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	
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	USEPA, 1993, Methods for the Determination of	Ion	



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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	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	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	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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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	

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OSAGENTN		Osage Nation					
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID	
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 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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### 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 --		
<b>Description</b> 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		
<b>Description</b> 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	

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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 --		

## 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
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	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	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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### 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)

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-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		



## 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
			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)						Comparable National Procedure ID
Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	
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	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-RIVER

### Puerto Rico Environmental Quality Board (Rivers)

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-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	

## 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
				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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### 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		
<b>Description</b> 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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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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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	



## Field/Lab Analytical Procedures and Equipment Detail

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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 Indstrial 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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### 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	

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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	

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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	

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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		

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### 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	



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### 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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		
<b>Description</b> 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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### SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				821/C-99-008		
	<b>Description</b>	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		
	<b>Description</b>	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 --		
	<b>Description</b>	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 --		
	<b>Description</b>	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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### SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
<b>Description</b>		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, Volume 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

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	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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### SD Dept of Environmental & Natural Resources

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			CVAA	ILM03_0, USEPA, ILM03_0	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	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	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	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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### 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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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	

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### 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

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	

## 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 <a href="#">Document/Graphic</a>		
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 <a href="#">Document/Graphic</a>		
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 <a href="#">Document/Graphic</a>		
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 <a href="#">Document/Graphic</a>		
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 <a href="#">Document/Graphic</a>		
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 <a href="#">Document/Graphic</a>		

## 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	

## Field/Lab Analytical Procedures and Equipment Detail

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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 --		
<b>Description</b> 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	

## 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
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. ____		

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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. ____		
	<b>Description</b>		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	

## 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
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	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 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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### TDECWPC

### Tennessee Department of Environment and Conservation

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	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-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	American Public Health Association, 1992,	AutoAnalyzer	

## 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
			Colorimetry- Automated Ascorbic Acid Metho	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
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 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.	American Public Health Association, 1992,	Colorimeter	

## 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
			coli, Coliform Group	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition		
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 --		
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	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,	Inductively Coupled Plasma	

## 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, EPA 600-R-94-111	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, 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	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	

## 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	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	
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	

## 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
			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	

## 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
			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
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		
<b>Description</b> 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	TDS_METER	Active	TDS determination using handheld probe.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> Typically instrument records conductivity and reports TDS using a calculation factor.						
TSWQC	UNKNOWN	Active	Unknown Method or Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		
<b>Description</b> 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	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	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,	Colorimeter	

## 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	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(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	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,	Colorimeter	

## 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, 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	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	



## 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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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	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, 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	American Public Health Association, 1992,	Laboratory	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Solids	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	Balance	
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	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	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:	American Public Health Association, 1992,	Capillary GC	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Haloacetic Acids and Trichlorophenol	Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition	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 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	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	USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility,	Alpha G particle counter	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Coprecipitation	USEPA, EPA 520/5-84-006		
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-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	Laboratory Balance	



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment		
				821/R-92-008			
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		
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		

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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	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 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	335.1	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	

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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	365.3	Active	Phosphorus by Two Reagent Colorimetry	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020	Spectrophotometer	
USEPA	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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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 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	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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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 Detector	
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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
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	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	USEPA, 1993, Methods for the Determination of	GC with	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Wastewater	Nonconventional Pesticides in Municipal and Industrial Wastewater, Vol. I, Rev. 1, USEPA, EPA 821/R-93-010A	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	
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	

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
					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	
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	USEPA, 1992, Test Methods for Evaluating Solid	Titration	



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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
			Insoluble Sulfides	Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I	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 Edition., USEPA, EPA 530/SW-846	Laboratory Balance	
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	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	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	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	Semivolalities 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		

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Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1		
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		

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### UTAHDWQ

### Utah Department Of Environmental Quality

Procedure Source	Procedure ID	Status	Procedure Name	Citation	Equipment	Comparable National Procedure ID
				Health Association, 18th Edition		
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	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	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		
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		

## 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
				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	USGSFLO W	Active	Flow measurements taken by the USGS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --		

## Field/Lab Analytical Procedures and Equipment Detail

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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		
<b>Description</b> 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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### 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 --		

## 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	

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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)	

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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	

## 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	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	

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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		