

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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

Source	Procedure ID	Procedure Name	Citation
0800597	1668	unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
0800597	200.7	unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
0800597	2216-90	unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
0800597	3510C	unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
0800597	7470A	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
0800597	7471A	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
0800597	8015B	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
0800597	8015B MOD	Unknown	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
USEPA	3010-A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by FLAA or ICP Spectrometry	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3050-B	Acid Digestion of Sediments, Sludges, and Soils for Metals Analysis by FLAA/ICP or GFAA/ICPMS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3510-B	Separatory Funnel Extraction, Liquid-Liquid	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3550-B	Ultrasonic Extr. of Nonvolatile/Semivolatile Organics from Soils, Sludges, and Wastes (No Organophosphorus Compounds)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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1119USBR

Bureau of Reclamation

Source	Procedure ID	Procedure Name	Citation
USEPA	200.7-T	Total Metals Preparation for EPA 200.2	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### 11DELMOD Delaware River Basin Commission

Source	Procedure ID	Procedure Name	Citation
APHA	9230-C-2	Fecal Streptococcus and Enterococcus Group, Membrane Filter Sample Preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 11NPSWRD National Park Service

Source	Procedure ID	Procedure Name	Citation
11NPSWRD	CUGA_BACTI	Bacteria Lab Sample Preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
11NPSWRD	GLKN_ACLS	Alk, Cl, & SO4	GLKN_0000022 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #7: Processing Water Samples and Analytical Laboratory Requirements. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 11pp. <a href="#">Document/Graphic</a>
11NPSWRD	GLKN_CAT	Cations (Ca, Na, Mg, K)	GLKN_0000022 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #7: Processing Water Samples and Analytical Laboratory Requirements. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 11pp. <a href="#">Document/Graphic</a>
11NPSWRD	GLKN_CHLA	Chlorophyll a	GLKN_0000022 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #7: Processing Water Samples and Analytical Laboratory Requirements. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 11pp. <a href="#">Document/Graphic</a>
11NPSWRD	GLKN_DOC	Dissolved Organic Carbon	GLKN_0000022 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #7: Processing Water Samples and Analytical Laboratory Requirements. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 11pp. <a href="#">Document/Graphic</a>
11NPSWRD	GLKN_NH4-N	Ammonium-N	GLKN_0000022 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #7: Processing Water Samples and Analytical Laboratory Requirements. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 11pp. <a href="#">Document/Graphic</a>

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 11NPSWRD

### National Park Service

Source	Procedure ID	Procedure Name	Citation
11NPSWRD	GLKN_NOX-N	Nitrate+Nitrite-N	GLKN_0000022 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #7: Processing Water Samples and Analytical Laboratory Requirements. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 11pp. <a href="#">Document/Graphic</a>
11NPSWRD	GLKN_SIO2	SiO2	GLKN_0000022 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #7: Processing Water Samples and Analytical Laboratory Requirements. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 11pp. <a href="#">Document/Graphic</a>
11NPSWRD	GLKN_TP/TN	Total phosphorus/total nitrogen	GLKN_0000022 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #7: Processing Water Samples and Analytical Laboratory Requirements. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 11pp. <a href="#">Document/Graphic</a>
11NPSWRD	GLKN_TSS	Total Suspended Solids	GLKN_0000022 - Magdalene, S., D.R. Engstrom, and J.E. Elias, 2007, Standard Operation Procedure #7: Processing Water Samples and Analytical Laboratory Requirements. in Magdalene, S., D.R. Engstrom, and J. Elias. 2007. Large rivers water quality monitoring protocol, Version 1.0., National Park Service, Great Lakes Network, 11pp. <a href="#">Document/Graphic</a>
11NPSWRD	GRCA_ALPHA-BETA	Evaporation to Dryness on a Planchet	Monroe, S.A., R.C. Antweiler, R.J. Hart, H.E. Taylor, M. Truini, J.R. Rihs, and T.J. Felger, 2005, Chemical Characteristics of Ground-Water Discharge along the South Rim of Grand Canyon in Grand Canyon National Park, Arizona, 2000-2001, U.S. Geological Survey, S.I.Report 2004-5146
11NPSWRD	GRSM_ICPREP	IC Preparation	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
11NPSWRD	NGPN_TSS_TDS	Total Suspended and Dissolved Solids	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
11NPSWRD	NPS_0.45_FIELD	NPS Filter through 0.45 Micron Filter in Field	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 11NPSWRD

### National Park Service

Source	Procedure ID	Procedure Name	Citation
11NPSWRD	NPS_0.45_LAB	NPS Filter through 0.45 Micron Filter in Lab	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
11NPSWRD	NPS_0.4_MILLIPO	NPS Filter through 0.4 Micron Millipore Filter in Field	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
11NPSWRD	NPS_FILTERED	Sample Filtered in Laboratory Prior to Analysis - Unspecified filter size	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
11NPSWRD	NPS_INVERTS	Invertebrate Counting Procedures	USEPA, 1999, Rapid Bioassessment Protocols for Wadeable Streams and Rivers: Periphyton, Benthic Macroinvertebrates, and Fish, 2nd ed, USEPA, EPA 841/B-99-002
11NPSWRD	NPS_NURE_100	Sediment dried at less than or equal to 100 degrees C, sieved to -100 mesh through stainless steel sieves	Sharp, Robert R. and Paul L. Aamodt, 1978, Field Procedures for Uranium Hydrogeochemical and Stream Sediment Reconnaissance as used by the Los Alamos Scientific Laboratory, Los Alamos Scientific Laboratory, 69 pp.
11NPSWRD	NPS_WHATMAN_GF	Whatman GF/F Filtration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
11NPSWRD	OZAR_PREP_CHL	Preparing Suspended Chlorophyll a Samples for Analysis	OZAR_0000001 - Ozark National Scenic Riverways, August 25, 2005, Standard Operating Procedures for Water Quality Monitoring-Ozark National Scenic Riverways, Ozark National Scenic Riverways, 50 pages
11NPSWRD	OZAR_PREP_TN	Processing Total Nitrogen Samples	OZAR_0000001 - Ozark National Scenic Riverways, August 25, 2005, Standard Operating Procedures for Water Quality Monitoring-Ozark National Scenic Riverways, Ozark National Scenic Riverways, 50 pages
11NPSWRD	OZAR_PREP_TP	Processing Total Phosphorus Samples	OZAR_0000001 - Ozark National Scenic Riverways, August 25, 2005, Standard Operating Procedures for Water Quality Monitoring-Ozark National Scenic Riverways, Ozark National Scenic Riverways, 50 pages
11NPSWRD	SEDSIEVELT2MM	Sediment Sieved to <2mm	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
11NPSWRD	SEDSIEVELT63UM	Sediment Sieved to <63 micrometers	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
11NPSWRD	SHIL_GRUB_1UM	Prefiltered w/Glass Fiber Filter, Effective Retention of > 1um	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
11NPSWRD	USGS_0.45	USGS Filter through 0.45 Micron Filter	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
11NPSWRD	USGS_METCHL	USGS Extract Using Methylene Chloride	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 11NPSWRD

### National Park Service

Source	Procedure ID	Procedure Name	Citation
11NPSWRD	WRST_MAC_SCPREP	Hecht Specific Conductance Lab Prep for McCarthy, AK	WRST_MAC_HEC - Hecht, B. and E. LaChapelle, 1999, Hydrologic and Hydrogeologic Factors Affecting Aquifer Protection, McCarthy Area, Alaska. Geotechnical Report for Alaska Department for Environmental Conservation. Grant C9000652-94-0. Report prepared for The McCarthy Area Council, Glennallen, Alaska. , Balance Hydrologics, Inc., 90 pages
APHA	3030-B	Preliminary Filtration of Metals Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	3050-B	Acid Digestion of Sediments, Sludges, and Soils for Metals Analysis by FLAA/ICP or GFAA/ICPMS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### 21CAOCSD Orange County Sanitation District California

Source	Procedure ID	Procedure Name	Citation
21CAOCSD	LPROC001	organics	USEPA, 1982, Test Method for the Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, USEPA, EPA 600/4-81-045

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21COL001**

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

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### 21DCBAWQ District of Columbia Dept of Health, Water Quality Division

Source	Procedure ID	Procedure Name	Citation
21DCBAWQ	LSP-001	Filtration of water samples, 0.45	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21DCBAWQ	LSP-002	Preparation of biological samples for inorganic chemical analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21DCBAWQ	LSP-003	Manual digestion with persulfate for polyphosphates and phosphorus compounds	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21DCBAWQ	LSP-004	Filtration of water samples, particle retention =1.6um	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLACEP Alachua County Environmental Protection Department (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLACEP	10200-H(PREP)	Chlorophyll a+b+c Determination (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	110.2(PREP)	Color Analysis Using Platinum/Cobalt (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	160.1(PREP)	Filterable Residue - TDS (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	160.2(PREP)	Non-Filterable Residue - TSS (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	180.1(PREP)	Turbidity by Nephelometry (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	200.7/6010	Metals in Water (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	272.2(PREP)	Silver by GFAA (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	300.0(PREP)	Fluorides by ion chromatography (EPA) (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	310.1(PREP)	Alkalinity by Titration (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	325.2(PREP)	Chloride by Colorimetric Analysis II (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	350.1(PREP)	Ammonia Nitrogen by Colorimetry (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	351.2	351.2	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	353.2(PREP)	Nitrate-Nitrite Nitrogen by Colorimetry (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	365.1(PREP)	Phosphorus by Colorimetry (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	365.2(PREP)	Phosphorus by Single Reagent Colorimetry (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	365.2/365.3	Phosphorus- Total	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	365.3(PREP)	Phosphorus by Two Reagent Colorimetry (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	375.4(PREP)	Sulfate by Turbidimetric Determination (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	415.1(PREP)	Total Organic Carbon by Combustion (Preparation)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	9222-D(PREP)	Fecal Coliform Membrane Filter Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	FIELD_FLTRD	Field Filtered	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLACEP	FILTRATION	Filtration	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

21FLACEP

Alachua County Environmental Protection Department (Florida)

Source	Procedure ID	Procedure Name	Citation
USEPA	3005-A	Total Recoverable and Dissolved Prep for FLAA, ICP	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3010-A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by FLAA or ICP Spectrometry	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLAVON

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

Source	Procedure ID	Procedure Name	Citation
21FLAVON	EPA 351.2 11	Acid digestion by block digester	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLAVON	SM 10200 H 1	Pigment extraction	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
21FLAVON	SM 4500-P B 5	Persulfate digestion	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

21FLBFA

FL Dept. of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
21FLBFA	DIG-TKN-TP	Preparation method for TKN and TP	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21FLBFA	DIG-TP-LOW	Preparation method for low-level phosphorus	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21FLBFA	SOP-BB02	Preparation for Phytoplankton Chlorophyll A and Phaephytin by spectrophotometry	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLCMP	DIG-TKN-TP	Preparation method for TKN and Total Phosphorus	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLBRA Biological Research Associates (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLBRA	10200-H	Chlorophyll a prep	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLBRA	GENPREP	General Preparation related to Analytical procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
USEPA	200.7-T	Total Metals Preparation for EPA 200.2	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.8-T	Total Metals Preparation for EPA 200.8	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLBREV Brevard County Stormwater Utility Department (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLBREV	10200-H	Chlorophyll a	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
21FLBREV	160.2	TSS	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLBREV	351.2	TKN	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLBREV	365.4	Total Phosphorus	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLBREV	SW846-3005A	Metals	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### 21FLBROW Broward Co Dept of Natural Resource Protection (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLBROW	P001	Bacti Prep	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
21FLBROW	P002	Chlorophyll Extraction	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
21FLBROW	P003	EPA 600	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21FLBROW	P004	MIBK EXTRACTION	USEPA, 1996, Method 1637: Determination of Trace Elements in Ambient Waters by Chelation Preconcentration with GFAA., USEPA, EPA 821/R-96-004

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLCEN Florida Department of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
21FLCEN	SOP-AB10_1	DEP-SOP-0/001 (Preparation of Periphyton- # Wet Taxa)	Florida Dept of Environmental Protection, 2004, FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Dept of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, FDEP, 2004 Revision
21FLCEN	10200-H	Prep chlorophyll and pheophytin	Lou, Ley, 2002, Volume Name, Department of Environmental Protection Central District, v.1
21FLCEN	1631	Mercury	USEPA, 1999, Method 1631, rev B: Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry., USEPA, EPA 821/R-99-005
21FLCEN	365.4	Preparation for Phosphorus, Total (as P)	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLCEN	SOP-AB02_1	Preparation of Periphyton Diatoms	21FLGW - Laura Morse, 2000, Preparation of Periphyton Diatoms, FDEP, Florida Ambient Monitoring Network Quality Assurance Plan, Vol 1
21FLCEN	SOP-AB11	Procedure for Phytoplankton Sample Receipt and Sample Handling for Taxonomic Analysis	Florida Dept of Environmental Protection, 2004, FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Dept of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, FDEP, 2004 Revision
21FLCEN	SOP-TA08_010804	Preparation for Algal Growth Potential	(21FLFTM) - FDEP, 2004, FDEP-SOP - Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, 2004 Revision
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLCMP

### FL Dept. of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
21FLCMP	351.2	TKN Sample Preparation Procedure	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
21FLCMP	DIG-TKN-TP	Preparation method for TKN and Total Phosphorus	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21FLFTM	351.2	Preparation for Ammonia+Organic Nitrogen, Total (as N)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	365.4	Preparation for Phosphorus, Total (as P)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLPNS	LAB	Methodology for Chemical Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLDADE                      Dade Environmental Resource Management (Florida)

Source	Procedure ID	Procedure Name	Citation
APHA	2310-B	Acidity, hot peroxide preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-B	Preliminary Filtration of Metals Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-C	Treatment for Acid-Extractable Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-D	Preliminary Digestion for Metal Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-E	Nitric Acid Digestion of Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-F	Nitric and Hydrochloric Acid Digestion	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-G	Nitric and Sulfuric Acid Digestion	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-H	Nitric and Perchloric Acid Digestion	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-I	Nitric, Perchloric and Hydrofluoric Acid	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-J	Dry Ashing of Metals Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLDADE Dade Environmental Resource Management (Florida)

Source	Procedure ID	Procedure Name	Citation
APHA	4500-CN(B)	Preliminary Treatment of Cyanide Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-CN-B	Preliminary Treatment of Samples in Water Containing Cyanide	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-F-B	Preliminary Distillation for Water Samples Containing Fluoride	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-NH3(B)	Preliminary Distillation Step	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-NH3-B	Preliminary Distillation for Ammonia in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-S2(B)	Separation of Soluble and Insoluble Sulfides	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-S2(C)	Pretreatment to Remove Interfering Substances or Concentrate Sulfide	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-S2-C	Pretreatment to Remove Interfering Substances or to Concentrate the Sulfide in Water by Wet Chemistry	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	5520-E	Extraction of Oil and Grease for Sludge	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	9213-D-3	Natural Bathing Beach, Sample Preparation for Escherichia coli Determination	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLDADE

### Dade Environmental Resource Management (Florida)

Source	Procedure ID	Procedure Name	Citation
APHA	9215-A-5	Heterotrophic Plate Count, General Sample Preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	9215-C-3	Heterotrophic Plate Count, Spread Plate Method Sample Preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	9215-D-3	Heterotrophic Plate Count, Membrane Filter Method Sample Preparation	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-2	Fecal Streptococcus and Enterococcus Group, Membrane Filter Sample Preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
USEPA	1310-A	Extraction Procedure Toxicity Test Method and Structural Integrity Test	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	1311	TCLP Preparation for Semivolatiles	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	1311-HG	TCLP Preparation for Mercury	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	1311-MT	TCLP Preparation for Metals	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	1311-V	TCLP Preparation ZHE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	1625P	BNA (isotopic dilution) Preparation	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLDADE

### Dade Environmental Resource Management (Florida)

Source	Procedure ID	Procedure Name	Citation
USEPA	200.2-M	Total Recoverable Metals Digestion	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.7-T	Total Metals Preparation for EPA 200.2	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.8-CR	Clean Room Preparation for EPA 200.8	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.8-T	Total Metals Preparation for EPA 200.8	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3005-A	Total Recoverable and Dissolved Prep for FLAA, ICP	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3010-A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by FLAA or ICP Spectrometry	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3015	Microwave Assisted Acid Digestion of Aqueous Samples and Extracts	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3015-M	Aqueous Sample Prep for Total Metals (modified) Suspended Solids, ICP,GFAA,ICP-MS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3020-A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by GFAA Spectroscopy	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3040	Oily Waste Prep for Soluble Metals by AA and ICP	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLDADE

### Dade Environmental Resource Management (Florida)

Source	Procedure ID	Procedure Name	Citation
USEPA	3040-A	Dissolution Procedure for Oils, Greases, and Waxes	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3050-A	Acid Digestion of Sediments, Sludges, and Soils	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3050-B	Acid Digestion of Sediments, Sludges, and Soils for Metals Analysis by FLAA/ICP or GFAA/ICPMS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3051	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3510-B	Separatory Funnel Extraction, Liquid-Liquid	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3510-C	Separatory Funnel Liquid-Liquid Extraction	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3520-B	Continuous Liquid-Liquid Extraction for Organics	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3520-C	Continuous Liquid-Liquid Extraction for Organics	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3540-B	Soxhlet Extraction for Nonvolatile and Semivolatile Organic Compounds from Solids, Solid Samples Only	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3540-C	Soxhlet Extraction for Nonvolatile and Semivolatile Organics from Soils, Sludges, and Wastes	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**21FLDADE**

**Dade Environmental Resource Management (Florida)**

Source	Procedure ID	Procedure Name	Citation
USEPA	3550-A	Ultrasonic Extraction of Nonvolatile and Semivolatile Organic Compounds from Soils, Sludges, and Wastes	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3550-B	Ultrasonic Extr. of Nonvolatile/Semivolatile Organics from Soils, Sludges, and Wastes (No Organophosphorus Compounds)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3580-A	Waste Dilution	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3585	Waste Dilution	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	50.6	Phase Separation and Aliquotting	USEPA, 19--., CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3
USEPA	5030-A	Sample Preparation and Extraction for Volatile Organic Analysis by Purge-and Trap	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	548.1-P	Endothall Preparation	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	549.1-P	Diquat and Paraquat Preparation	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	8150-P	Herbicide Preparation Portion of 8150	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	P-010-1	Preparation for Pesticides/PCB in Water/Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	SFSAS_FT_PREP	Fish Tissue Preparation Technique	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**21FLEECO**

**Lee County (Florida)**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
APHA	3030-E	Nitric Acid Digestion of Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21FLFMRI**

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

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
21FLFMRI	PROC 1	Field Hydrolab Sample Procedures	ORG-01 - U.S. Environmental Protection Agency, 2001, National Coastal Assessment Field Operations Manual, USEPA, Unknown

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLFTM Florida Department of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
21FLCMP	DIG-TKN-TP	Preparation method for TKN and Total Phosphorus	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21FLFTM	245.1	Mercury Analysis	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	351.2	Preparation for Ammonia+Organic Nitrogen, Total (as N)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	365.1	Preparation for Total Phosphorus in Water	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	365.4	Preparation for Phosphorus, Total (as P)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	DIG-TKN-TP-2	Preparation method for TKN and Total Phosphorus	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	GC-002	DEP SOP-GC-002	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160
21FLFTM	LC-006	DEP SOP-LC-006	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160
21FLFTM	LC-006-A	DEP SOP-LC-006 (A)	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

<b>21FLFTM Florida Department of Environmental Protection</b>			
<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
21FLFTM	LC-011-A	DEP SOP-LC-011 (A)	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160
21FLFTM	LC-011-B	DEP SOP-LC-011 (B)	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160
21FLFTM	LC-021	DEP SOP-LC-021	DEP-CHEM - Florida DEP Laboratory Chemistry Section, Amended 6-8-04, Florida DEP Laboratory Standard Operating Procedures for the Chemistry Section, Florida DEP Laboratory, Chapter 62-160
21FLFTM	PK-SETTLE	Pheophytin preparation analysis	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	SOP-AB02_1	Phytoplankton Identification - Diatom	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	SOP-AB04	Phytoplankton Identification - Wet Taxa	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	SOP-AB05	DEP Phytoplankton Preparation - Wet Taxa	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	SOP-AB10_1	DEP-SOP-0/001	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	SOP-AB11	Proceedure for Phytoplankton Sample Receipt and Sample Handling for Taxonomic Analysis	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLFTM Florida Department of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
21FLFTM	SOP-BB01	Preparation for Bacterial Analysis	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	SOP-BB02	Preparation for Chlorophyll-A (Monochromatic) & Pheophytin-A (Monochromatic)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	SOP-TA08_010804	Preparation for Algal Growth Potential	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	W-M-DIGEST	ICP Metals Digestion	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	200.7-T	Total Metals Preparation for EPA 200.2	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3050-A	Acid Digestion of Sediments, Sludges, and Soils	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3550-B	Ultrasonic Extr. of Nonvolatile/Semivolatile Organics from Soils, Sludges, and Wastes (No Organophosphorus Compounds)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### 21FLGFWF Florida Fish and Wildlife Conservation Commission

Source	Procedure ID	Procedure Name	Citation
21FLGFWF	4500-P-B(1)	Preliminary filtration for orthophosphorus 0.45um membrane filter	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
21FLGFWF	4500-P-B(5)	Persulfate digestion for total phosphorus	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
APHA	3030-B	Preliminary Filtration of Metals Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-E	Nitric Acid Digestion of Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-NH3(B)	Preliminary Distillation Step	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**21FLGW**

**FL Dept. of Environmental Protection**

Source	Procedure ID	Procedure Name	Citation
21FLFTM	351.2	Preparation for Ammonia+Organic Nitrogen, Total (as N)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	365.4	Preparation for Phosphorus, Total (as P)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	SOP-BB02	Preparation for Chlorophyll-A (Monochromatic) & Pheophytin-A (Monochromatic)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLGW	351.2 SEDIMENT	Preparation of samples for total kjeldahl nitrogen analysis	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1
21FLGW	365.1	Preparation for Total Phosphorus in Water	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1
21FLGW	365.4 SEDIMENT	Preparation of samples for total phosphorus analysis	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1
21FLGW	MERCURY	Preparation of solid and liquid matrices for mercury analysis	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1
21FLGW	ORGANIC EXT	Extraction of non-volatile and semi-volatile organic compounds from soils, sludges, wastes	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1
21FLGW	SOP-AB02_1	Preparation of Periphyton Diatoms	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1
21FLGW	SOP-AB11	Procedure for Phytoplankton Sample Receipt and Sample Handling for Taxonomic Analysis	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1
21FLGW	SOP-BB02	Procedure for Phytoplankton Sample Filtering	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1
21FLGW	SOP-TA08_01-04	Procedure for Algal Growth Potential	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### 21FLGW FL Dept. of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
21FLGW	TOTAL DIGESTION	TOTAL TOTAL DIGESTION	Laura Morse, 2000, Florida Ambient Monitoring Network Quality Assurance Plan, FDEP, vol 1
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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21FLHILL

Hillsborough County Environmental (Florida)

Source	Procedure ID	Procedure Name	Citation
APHA	3030-E	Nitric Acid Digestion of Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### 21FLLCPC Lake County Water Resource Management (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLLCPC	GENPREP	General Preparation	LAKE COUNTY WATER RESOURCE LAB, 2001, LAKE COUNTY WATER RESOURCE MANAGEMENT QUALITY SYSTEMS MANUAL, LAKE COUNTY WATER RESOURCE MANAGEMENT, ALL PAGES

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21FLLEON**

**Leon County Public Works (Florida)**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
USEPA	3510-C	Separatory Funnel Liquid-Liquid Extraction	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21FLLOX**

**Loxahatchee River District (Florida)**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### 21FLMANA Manatee County Environmental Management Dept (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLMANA	GENERIC	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

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21FLMCGL**

**McGlynn Laboratories, Inc**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
21FLMCGL	10200-H	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

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

21FLNAPL

City of Naples (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLNAPL	3010-A	Acid digestion of aqueous samples and extracts for total metals	USEPA, 2000, Estuarine and Coastal Marine Waters: Bioassessment and Biocriteria Technical Guidance., USEPA, EPA 822/B-00-024
21FLNAPL	GEN PREP	General preparation method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21FLNWFD**

**Northwest Florida Water District**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLORAN Orange County Environmental Protection (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLORAN	3020A	Metals Prep	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA100.1	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	EPA110.2	True Color	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA120.1	Specific Conductance	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA130.1	Harness by titration	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA150.1	pH	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA160.1	Volatile Solids	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA160.2	Total Suspended Solids	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA160.3	Total Solids	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA160.4	Dissolved Solids	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA170.1	Temperature, water	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA180.1	Turbidity	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA200.7	ICAP Metals	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA200.8	Metals	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLORAN                      Orange County Environmental Protection (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLORAN	EPA210.2	Beryllium	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA213.2	Cadmium	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA239.2	Lead	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA245.1	Mercury	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA270.2	Selenium	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA272.2	Silver	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA279.2	Thallium	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA310.1	Alkalinity	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA325.3	Chloride	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA350.1	Ammonia, unionized	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA351.2	Nitrogen, Kjeldahl	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA353.2	Nitrogen Suite	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA360.2	Dissolved Oxygen	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA365.1	Phosphorus Suite	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLORAN Orange County Environmental Protection (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLORAN	EPA375.4	Sulfate	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA405.1	Biochemical Oxygen Demand	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA410.4	Chemical Oxygen Demand	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPA500.1	Nitrogen, organic	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	EPD100.1	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	GEN PREP	General Preparation corresponding to Lab Methods	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLORAN	SM10200H	Chlorophyll Suite	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	SM2120B	Color	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	SM2310B	Acidity as CaCO <sub>3</sub>	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	SM2320B	Alkalinity, Total	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	SM2340B	Hardness, Ca, Mg	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	SM2340C	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	Metals Prep	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	SM6010B	Metals Prep Procedure	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	SM9222B	Total Coliform	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### 21FLORAN Orange County Environmental Protection (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLORAN	SM9222D	Total Fecal Coliform	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLORAN	SM9230C	Fecal Strep	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21FLORL**                      **Orlando Streets Drainage Stormwater Utility Bureau(Florida)**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
21FLORL	GEN PREP	General Prep Method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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21FLPCSW

### PROJECT COAST - Southwest Florida Water Management District

Source	Procedure ID	Procedure Name	Citation
21FLPCSW	PROJECT COAST	Project Coast Field and Lab Analytical Procedures	PASCO - Frazer, T.K., S.K. Notestein, J.A. Hale, M.V. Hoyer, D.E. Canfield, 2003, Water Quality Characteristics of the Nearshore Gulf Coast Waters Adjacent to Pasco County, Florida, Southwest Florida Water Management District, Methods Pg. 5

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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

Source	Procedure ID	Procedure Name	Citation
21FLPDEM	3005A	Metals	Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1
21FLPDEM	GEN PREP	General Preparation	DEP-QA-001/92, 1992, Florida Department of Environmental Protection QA-001/92, DEP, Page 1 of 3
21FLPDEM	LSP 001	Filtration of water samples, 0.45 micron	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLPNS Florida Department of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
21FLFTM	351.2	Preparation for Ammonia+Organic Nitrogen, Total (as N)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	365.4	Preparation for Phosphorus, Total (as P)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLPNS	200.2	Metals EPA Method 200.1	FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk
21FLPNS	200.2B	Total Recoverable Metals analysis (EPA 200.8) using ICP-MS for aqueous samples supporting Clean Water Act Projects	USEPA, 1996, Method 1669: Sampling Ambient Water for Trace Metals at EPA Water Quality Criteria Levels., USEPA, EPA 821/R-96-008
21FLPNS	3050	ICP Mass Spec for Metals in Sediment	USEPA, 1990, Method 6020 CLP-M: Inductively Coupled Plasma-Mass Spectrometry., USEPA, O1A0007861
21FLPNS	351.2	351.2 (March 1983) TKN Prep	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21FLPNS	BIO	Methodology for Bacteria and Biological Oxygen Demand	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
21FLPNS	DIG-TKN-TP	Preparation Method for TKN and TP	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21FLPNS	LAB	Methodology for Chemical Analysis	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21FLPNS	SOP-BB02	Preparation for Phytoplankton chlorophyll-a and phaeophytin by spectrophotometry	FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk
21FLPNS	SOP-HG-020	Mercury in Sediment	FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk
USEPA	200.8-CR	Clean Room Preparation for EPA 200.8	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

21FLPNS

Florida Department of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
USEPA	200.8-T	Total Metals Preparation for EPA 200.8	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3050-B	Acid Digestion of Sediments, Sludges, and Soils for Metals Analysis by FLAA/ICP or GFAA/ICPMS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3540-B	Soxhlet Extraction for Nonvolatile and Semivolatile Organic Compounds from Solids, Solid Samples Only	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3540-C	Soxhlet Extraction for Nonvolatile and Semivolatile Organics from Soils, Sludges, and Wastes	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3550-B	Ultrasonic Extr. of Nonvolatile/Semivolatile Organics from Soils, Sludges, and Wastes (No Organophosphorus Compounds)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLPOLK Polk County Water Resources (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLPOLK	9222 B	Total Coliform	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
21FLPOLK	9230-C-2	Enterococci (MF)	DEP Methods, 1992, DEP Standard Methods, DEP, ALL
21FLPOLK	ASTM D512-02	Sulfate	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02
21FLPOLK	LSP-01	Nutrients	DEP Methods, 1992, DEP Standard Methods, DEP, ALL
APHA	3030-B	Preliminary Filtration of Metals Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-D	Preliminary Digestion for Metal Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-E	Nitric Acid Digestion of Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-NH3-B	Preliminary Distillation for Ammonia in Water	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-2	Fecal Streptococcus and Enterococcus Group, Membrane Filter Sample Preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	200.2-M	Total Recoverable Metals Digestion	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.7-T	Total Metals Preparation for EPA 200.2	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**21FLPOLK**

### Polk County Water Resources (Florida)

Source	Procedure ID	Procedure Name	Citation
USEPA	200.8-T	Total Metals Preparation for EPA 200.8	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	MT_PREP1	Preparation of Metals Samples in Water	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLSARA Sarasota County Environmental Services (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLSARA	351.2	Nitrogen, Kjeldahl	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLSARA	365.4	Phosphorus Suite	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLSARA	LSP-1	Lab Procedure	2 - Mote Marine Laboratory, 2006, Sarasota County, Ambient Monitoring Program, 1998 to present., Mote Marine Laboratory, NA
21FLSARA	LSP-2	Filtration	2 - Mote Marine Laboratory, 2006, Sarasota County, Ambient Monitoring Program, 1998 to present., Mote Marine Laboratory, NA
21FLSARA	NO PREP	Lab Sample Prep (No Prep)	2 - Mote Marine Laboratory, 2006, Sarasota County, Ambient Monitoring Program, 1998 to present., Mote Marine Laboratory, NA

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21FLSEM**

**Seminole County (Florida)**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
21FLSEM	GEN PREP	Standard Preperation Methods Used by Harbor Branch	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLSFWM South Florida Water Management District

Source	Procedure ID	Procedure Name	Citation
21FLSFWM	AZODIPH	SFWMD: Azobenzene/1-2-Diphenylhydrazine	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	BNA-SF	LAB TEST: W-BNA-SF	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	CARBALK	SFWMD: Carbonate Alkalinity (CaCO3)	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	DIPHENYLHYDRA	/1,2- Diphenylhydrazine	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	ETHYL	Ethyl	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	GAMMA	Gamma Count	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	GEC	Gross Error Count	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	GROSS	Gross	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	HAL1000	SFWMD: Halowax 1000	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	HAL1099	SFWMD: Halowax 1099	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	LP-1	LAB PREPARATION PROCEDURE	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	MALE	Male	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	METHYL	Methyl	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	MFILT	Membrane Filtrate	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLSFWM South Florida Water Management District

Source	Procedure ID	Procedure Name	Citation
21FLSFWM	NET	Net	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	NITRODIPHE	SFWMD: N-Nitrosodiphenylamine/Diphenylamin	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	ORGCMP	SFWMD: In Organic Compounds	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	SOMATIC	Somatic	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	T60D	SFWMD: Temperature = 60 Deg C	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	TITRATION	Alkalinity by Titration	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	TRIBEN	SFWMD: Trifluralin/Benfluralin	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	UNSPECIFIED	Unspecified BHC	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	VOC-SF	LAB TEST: W-VOC-SF	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	XIL1	SFWMD: Xylene	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
21FLSFWM	XYL2	SFWMD: Xylenes (Total)	SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	MT_PREP1	Preparation of Metals Samples in Water	USEPA, 19-- , CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLSJWM                      St. Johns Water Management District

Source	Procedure ID	Procedure Name	Citation
21FLSJWM	ACID DIGEST	Acid Digest	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA 200.7	EPA 200.8	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA 200.8	EPA 200.8	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA 315.2	EPA 315.2	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA 351.2	EPA 351.2	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA 365.2	EPA 365.2	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA 365.3	EPA 365.3	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA 395.3	EPA 395.3	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA 415.1	EPA 415.1	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA METAL	EPA METAL	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA METALS	EPA METALS	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	EPA3010	EPA3010	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	METHOD	METHOD	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	NONE	NONE	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	SM 10200H	SM 10200H	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--
21FLSJWM	TP/TKN PREP	TP/TKN Prep	Unknown, 19--, SJRWMD standard preparation methods, none, Vol--

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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21FLSWFD

Southwest Florida Water Management District

Source	Procedure ID	Procedure Name	Citation
21FLSWFD	GEN PREP	General preparation procedures for analysis.	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21FLTBW**

**Tampa Bay Water**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
21FLTBW	CHLA	Chlorophyll Preparation	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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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21FLTPA**                      **Florida Department of Environmental Protection**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
21FLTPA	SOP-2	Standard Methods	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLVEMD Volusa County Environmental Health Lab (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLVEMD	SOP-2	Determination of Ammonia Nitrogen by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100
21FLVEMD	SOP-3	Determination of Total Kjeldahl Nitrogen by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100
21FLVEMD	SOP-4	Determination of Nitrate-Nitrite Nitrogen by Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100
21FLVEMD	SOP-5	Determination of Phosphorus by Semi-Automated Colorimetry	USEPA, 1993, Methods for the Determination of Inorganic Substances in Environmental Samples, USEPA, EPA 600/R-93-100

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21FLWPB Florida Department of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
21FLFTM	351.2	Preparation for Ammonia+Organic Nitrogen, Total (as N)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	365.4	Preparation for Phosphorus, Total (as P)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLWPB	245.6	Fish Tissue Preparation Central Lab Tallahassee	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLWPB	3050	Metals in Sediments	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLWPB	351.2 MAR 83	Preparation for Ammonia and TKN	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21FLWPB	3550B	Sediment	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLWPB	365.4 (SED)	Preparation for Phosphorus, Total as P	FDEP Central Lab, 1999, FDEP SOP1 , FDEP Central Lab, 1-1000
21FLWPB	DEPSED SOP-003	Ammonia automated phenate method	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLWPB	DEPSED SOP-008	chlorophyll determination	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
21FLWPB	DEPSED SOP-012	nitrate-nitrite determination	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLWPB	DEPSED SOP-015	Preparation for Reactive Orthophosphate	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLWPB	DEPSED SOP-019	total kjeldahl nitrogen	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLWPB	DEPSED SOP-021	total phosphorus	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
21FLWPB	SOP-BB02	PREP METHOD FOR CHL-PPTN-W	FDEP Central Lab, 1999, FDEP SOP1 , FDEP Central Lab, 1-1000

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**21FLWPB**

**Florida Department of Environmental Protection**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
21FLWPB	SOP-GC-002	Preparation for pesticides in water	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21FLWPB	SOP-HG-020	Mercury in Sediments	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	3510-B	Separatory Funnel Extraction, Liquid-Liquid	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3510-C	Separatory Funnel Liquid-Liquid Extraction	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### 21FLWQA Florida Department of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
21FLFTM	351.2	Preparation for Ammonia+Organic Nitrogen, Total (as N)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	365.4	Preparation for Phosphorus, Total (as P)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLFTM	SOP-BB02	Preparation for Chlorophyll-A (Monochromatic) & Pheophytin-A (Monochromatic)	FDEP-SOP - FDEP Environmental Assessment Section, Feb. 1, 2004, Department of Environmental Protection Standard Operating Procedures for Field Activities DEP-SPO-001/01, Florida Department of Environmental Protection, Feb.1, 2004 Revision
21FLWQA	DEP-SOP-BB02	Phytoplankton Sample Filtering for Chlorophyll a Analysis	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown
21FLWQA	DEP-SOP-NU-048	Preparation of Waters and Sediments for Nitrogen and Phosphorus Analysis; based on EPA methods 351.2 and 365.4	Florida DEP Central Laboratory, 19-, FDEP, Unknown, Unkown
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**21GUAM**

**Guam Environmental Protection Agency**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
21GUAM	GUAM-S01	Guam EPA Legacy Sample Preparation Procedures	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**21IOWA**

**Iowa Dept. of Natural Resources**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
USEPA	3510-B	Separatory Funnel Extraction, Liquid-Liquid	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3550-B	Ultrasonic Extr. of Nonvolatile/Semivolatile Organics from Soils, Sludges, and Wastes (No Organophosphorus Compounds)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	8150-P	Herbicide Preparation Portion of 8150	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21NEB001                      Nebraska Dept. of Environmental Quality

Source	Procedure ID	Procedure Name	Citation
21NEB001	CHLOROPHYLL A	Chlorophyll A preparation for analysis. Filtering	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
APHA	3030-G	Nitric and Sulfuric Acid Digestion	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
USEPA	1311	TCLP Preparation for Semivolatiles	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	1311-HG	TCLP Preparation for Mercury	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	1311-MT	TCLP Preparation for Metals	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	1311-V	TCLP Preparation ZHE	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	200.2-M	Total Recoverable Metals Digestion	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.7-T	Total Metals Preparation for EPA 200.2	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.8-T	Total Metals Preparation for EPA 200.8	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3005-A	Total Recoverable and Dissolved Prep for FLAA, ICP	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**21NEB001**

**Nebraska Dept. of Environmental Quality**

Source	Procedure ID	Procedure Name	Citation
USEPA	3015	Microwave Assisted Acid Digestion of Aqueous Samples and Extracts	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3040	Oily Waste Prep for Soluble Metals by AA and ICP	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3051	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3510-B	Separatory Funnel Extraction, Liquid-Liquid	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3510-C	Separatory Funnel Liquid-Liquid Extraction	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3540-B	Soxhlet Extraction for Nonvolatile and Semivolatile Organic Compounds from Solids, Solid Samples Only	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3540-C	Soxhlet Extraction for Nonvolatile and Semivolatile Organics from Soils, Sludges, and Wastes	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3550-A	Ultrasonic Extraction of Nonvolatile and Semivolatile Organic Compounds from Soils, Sludges, and Wastes	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3550-B	Ultrasonic Extr. of Nonvolatile/Semivolatile Organics from Soils, Sludges, and Wastes (No Organophosphorus Compounds)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3580-A	Waste Dilution	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**21NEB001**

**Nebraska Dept. of Environmental Quality**

Source	Procedure ID	Procedure Name	Citation
USEPA	3585	Waste Dilution	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	50.6	Phase Separation and Aliquotting	USEPA, 19--, CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3
USEPA	5030-A	Sample Preparation and Extraction for Volatile Organic Analysis by Purge-and Trap	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	MT_PREP1	Preparation of Metals Samples in Water	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0
USEPA	MT_PREP2	Preparation of Metals Samples in Soils	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0
USEPA	MT_PREP3	Sample Preparation Using Microwave Digestion	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0
USEPA	P-010-1	Preparation for Pesticides/PCB in Water/Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	PAH-010	Preparation of Samples for PAH Analysis	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	PCB-007	Preparation of Samples for PCB Analysis	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	R-003-1	Preparation of Soil for Radiological Analysis	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	SFSAS_S_PREP	Sediment Preparation Technique	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21NJDEP1 NJ Department of Environmental Protection

Source	Procedure ID	Procedure Name	Citation
21NJDEP1	350.2	Ammonia (as N) Distillation	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21NJDEP1	351.3	Kjeldahl Nitrogen (as N) Digestion and Distillation	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21NJDEP1	365.2	Phosphorus (as P) Persulfate Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
21NJDEP1	4500-N	Persulfate Method (proposed)	American Public Health Association, 199X, Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 19th Edition
21NJDEP1	I-2600	Persulfate Block Digestion	I-2600 - USDO, USGS, 1992, Methods of Analysis by the U.S. Geological Survey National Water Quality Laboratory - Determination of Total Phosphorus by a Kjeldahl Digestion Method and an Automated Colorimetric Finish that Includes Dialysis, USDO, USGS, 47 pgs.
APHA	4500-CN(B)	Preliminary Treatment of Cyanide Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-F-B	Preliminary Distillation for Water Samples Containing Fluoride	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
USEPA	200.2-M	Total Recoverable Metals Digestion	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

21NYDECA

NYS Dept. of EnCon, Division of Water

Source	Procedure ID	Procedure Name	Citation
21NYDECA	RIBS-BSED	RIBS Bottom Sediment Sample Collection	J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)
21NYDECA	RIBS-WCOL	RIBS Water Column Sample Collection	J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)
21NYDECA	RIBS-WCOL-FLT	RIBS Filtered Water Column Sample Collection	J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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21SC60WQ

SC Dept. of Health & Environmental Control

Source	Procedure ID	Procedure Name	Citation
ASTM	D3976	Std. Practice for Prep. of Sediment Samples for Chemical Analysis	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21SCSANT Santee Cooper - South Carolina Public Service Authority

Source	Procedure ID	Procedure Name	Citation
21SCSANT	BACTERIA	Bacteria Analysis Procedure	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
21SCSANT	CHPYL A	Chlorophyll a analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
21SCSANT	METAL	Metals Analysis Procedures	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
21SCSANT	NUTRIENTS	Nutrients Analysis Procedures	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
21SCSANT	SOLIDS	Total Dissolved Solids / 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

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 21SDAK01 SD Dept of Environmental & Natural Resources

Source	Procedure ID	Procedure Name	Citation
21SDAK01	515TDS	Total Dissolved Solids	USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020
21SDAK01	CATION-ANION %	Cation-Anion Balance	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21SDAK01	SAR	SAR	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21SDAK01	TDS	TDS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21SDAK01	VISUAL	VISUAL	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
21SDAK01	WRAP	Water Resources Assistance Program Procedure	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

21VASWCB

Virginia Department of Environmental Quality (VADEQ)

Source	Procedure ID	Procedure Name	Citation
ASTM	D3987	Shake Extraction of Solid Waste and Water	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (II), American Society for Testing and Materials, Vol 11.02
USEPA	3020-A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by GFAA Spectroscopy	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**22LAGWTR**

**Louisiana Dept of Environmental Quality**

Source	Procedure ID	Procedure Name	Citation
22LAGWTR	BMP-FLD	Field Measurements	Baseline Monitoring Project, 1999, Baseline Monitoring Project, Quality Assurance Project Plan, LDEQ, 198pp
22LAGWTR	HG-106	Merecury in Water (106)	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
22LAGWTR	METAL-1	Total Metals in Water	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
22LAGWTR	METAL-2	Total Metals in Water (106)	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
22LAGWTR	NUTRNT-1	Nutrients in Water	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
22LAGWTR	PEST/PCB	Pesticides/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
22LAGWTR	PEST/PCB-2	Pesticides/PCB's in Water (106)	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136
22LAGWTR	SVOC-1	SVOC's in Water (8270C)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
22LAGWTR	SVOC-2	SVOC's in Water (106)	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136
22LAGWTR	VOC-1	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
22LAGWTR	VOC-2	VOC's in Water (106)	USEPA, 1984, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, USEPA, 40CFR136
22LAGWTR	WQ-1	Water Quality Parameters Prep	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**31DELRBC**

**Delaware River Basin Commission**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
USEPA	MT_PREP1	Preparation of Metals Samples in Water	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0
USEPA	P-010-1	Preparation for Pesticides/PCB in Water/Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	PAH-010	Preparation of Samples for PAH Analysis	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	PCB-007	Preparation of Samples for PCB Analysis	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### 31ORWUNT Ohio River Sanitation Commission

Source	Procedure ID	Procedure Name	Citation
31ORWUNT	200.2	Digestion, ICP, ICPMS	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
31ORWUNT	245.1	Mercury Digestion	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
31ORWUNT	3500CR D	Chromium Hexavalent	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
31ORWUNT	9213D	E. Coli	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020
31ORWUNT	9222D	Fecal Coliform	USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### BUNKER

### Bunker Hill Mining and Metallurgical Complex

Source	Procedure ID	Procedure Name	Citation
BUNKER	UNKNOWN	UNKNOWN	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### CHNEPCHE Charlotte Harbor National Estuaries Program (Florida)

Source	Procedure ID	Procedure Name	Citation
CHNEPCHE	CHLA	chla a preparation method	CHNEP - r amloy, 2004, chnep procedures, chnep, 0-0
CHNEPCHE	TKN	tkn preparation method	CHNEP - r amloy, 2004, chnep procedures, chnep, 0-0

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### CHNEPCHP Charlotte Harbor National Estuaries Program (Florida)

Source	Procedure ID	Procedure Name	Citation
CHNEPCHP	CHLA	chla preparation method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
CHNEPCHP	TKN	tkn preparation method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### CHNEPCHW Charlotte Harbor National Estuaries Program (Florida)

Source	Procedure ID	Procedure Name	Citation
CHNEPCHW	CHLA	chla preparation method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
CHNEPCHW	TKN	tkn preparation method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### CHNEPLLB Charlotte Harbor National Estuaries Program (Florida)

Source	Procedure ID	Procedure Name	Citation
CHNEPLLB	CHLA	chla preparation method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
CHNEPLLB	TKN	tkn preparation method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### CHNEPTMR Charlotte Harbor National Estuaries Program (Florida)

Source	Procedure ID	Procedure Name	Citation
CHNEPTMR	CHLA	chla prep method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
CHNEPTMR	TKN	tkn prep method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### CHNEPTR Charlotte Harbor National Estuaries Program (Florida)

Source	Procedure ID	Procedure Name	Citation
CHNEPTR	CHLA	chla prep method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
CHNEPTR	TKN	tkn prep method	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**COE/ISU**

**Des Moines River - Corp of Engineers (IOWA)**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
APHA	3030-E	Nitric Acid Digestion of Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### DANTEST

### Dan's DUMMY test organization

Source	Procedure ID	Procedure Name	Citation
APHA	9215-D-3	Heterotrophic Plate Count, Membrane Filter Method Sample Preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
USEPA	3050-A	Acid Digestion of Sediments, Sludges, and Soils	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3050-B	Acid Digestion of Sediments, Sludges, and Soils for Metals Analysis by FLAA/ICP or GFAA/ICPMS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3051	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### DEMOTEST

### Interstate Sanitation Commission

Source	Procedure ID	Procedure Name	Citation
APHA	3030-C	Treatment for Acid-Extractable Metals	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-2	Fecal Streptococcus and Enterococcus Group, Membrane Filter Sample Preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
ASTM	D4638	Preparation of Biological Samples for Inorganic Chemical Analysis	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01
DEMOTEST	ICP METALS	Metals analysis	Ernesto, 2002, FDEP SOP for WQ, LCHCD, 1
DEMOTEST	LSP-001	Acid Digestion of Sediments for Organics Analysis	Commission for a Good Clean Chesapeake Bay, 1991, Standard Procedures for Sampling the Chesapeake Bay, Virginia Beach Press, 290 pp
DEMOTEST	LSP-002	Filtration of Water Samples, 0.45 micron	Dr. Lee Manning, 1987, Sampling the Chesapeake Bay for Fun and Profit, University of Virginia Press, 589 pp
DEMOTEST	P001	Misc Prep	Karen Bickford-Ropes, 2002, FDEP SOP for Water Quality Sampling, Florida Department of Environmental Protection, Vol 1. Pp 1-100
DEMOTEST	SP-001	SJR Sample Prep	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01
DEMOTEST	TCLP-ZHE	TCLP - Zero Headspace Extraction	FDEP Chemists and Biologists, 2003, Preparation Methodology Employed by FDEP Central Laboratory, FDEP, no specific document
USDOE/ASD	OC010R	Preparation of VOC Samples Containing Hydrocarbons	USDOE, 1995, Methods for Evaluating Environmental and Waste Management Samples, April 1995, USDOE, DOE
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	3015	Microwave Assisted Acid Digestion of Aqueous Samples and Extracts	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### DEMOTEST

### Interstate Sanitation Commission

Source	Procedure ID	Procedure Name	Citation
USEPA	3020-A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by GFAA Spectroscopy	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3040	Oily Waste Prep for Soluble Metals by AA and ICP	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3050-B	Acid Digestion of Sediments, Sludges, and Soils for Metals Analysis by FLAA/ICP or GFAA/ICPMS	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3051	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3510-B	Separatory Funnel Extraction, Liquid-Liquid	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3550-A	Ultrasonic Extraction of Nonvolatile and Semivolatile Organic Compounds from Soils, Sludges, and Wastes	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3550-B	Ultrasonic Extr. of Nonvolatile/Semivolatile Organics from Soils, Sludges, and Wastes (No Organophosphorus Compounds)	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	50.6	Phase Separation and Aliquotting	USEPA, 19--, CLP SOW for Inorganics Analysis-IHC01_3, USEPA, IHC01_3
USEPA	548.1-P	Endothall Preparation	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	MT_PREP1	Preparation of Metals Samples in Water	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0
USEPA	MT_PREP3	Sample Preparation Using Microwave Digestion	USEPA, 19--, CLP SOW for Inorganics Analysis-ILM03_0, USEPA, ILM03_0
USEPA	P-010-1	Preparation for Pesticides/PCB in Water/Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**DEMOTEST**

**Interstate Sanitation Commission**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
USEPA	SFSAS_FT_PREP	Fish Tissue Preparation Technique	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055
USEPA	SFSAS_S_PREP	Sediment Preparation Technique	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### EMAP-CS

### Environmental Monitoring and Assessment Program

Source	Procedure ID	Procedure Name	Citation
EMAP-CS	90%ACEX	Chlorophyll a filter suspended in 10ml of 90 % acetone until frozen	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
EMAP-CS	ASE	Accelerated Solvent Extraction	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
EMAP-CS	ASTM1993	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	CHLA-NCA	Pigment extraction from filter with 90% acetone; Weshmeyer method	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Nutrient Collections/Chemistry Metadata, U.S. Environmental Protection Agency, 10 p
EMAP-CS	EMAP-E	Methods in EMAP 1995 Laboratory Methods Manual	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
EMAP-CS	EPA 160.2	Water sample filtered for TSS	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
EMAP-CS	EPA245.5	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
EMAP-CS	EPA3051	Strong acid microwave method	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
EMAP-CS	EPA3052	Microwave assisted acid digestion of siliceous and organically based matrices	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
EMAP-CS	EPA3052/3050B	Microwave/hot plate assisted acid digestion of siliceous and organically based matrices	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### EMAP-CS

### Environmental Monitoring and Assessment Program

Source	Procedure ID	Procedure Name	Citation
EMAP-CS	HF/HNO3	Total digestion using HF/HNO3 in an open beaker on a hot plate	C. Strobel, 1996, EMAP-Estuarines 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p
EMAP-CS	HG-NCA	Cold vapor AA for Hg (persulfate acid digestion)	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 16 p
EMAP-CS	HNO3/HCL	Microwave digestion using HNO3/HCl in a closed teflon-lined pressure vessel	C. Strobel, 1996, EMAP-Estuarines 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p
EMAP-CS	HSGAS	React sediment w/ hydrochloric acid; trap the evolved hydrogen sulfide gas	C. Strobel, 1996, EMAP-Estuarines 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p
EMAP-CS	MASE	Microwave assisted solvent extraction	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
EMAP-CS	MET-NCA	Sediment dried and completely digested in nitric/hydrofluoric acids	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 16 p
EMAP-CS	MGNO3	Magnesium Nitrate addition w/ hydrochloric acid digestion	State of California, 1986, Procedures for analysis of selenium and arsenic in fish and wildlife tissues with emphasis on quality control, State of California, Department of Fish and Game, Lab. Rpt 86-3
EMAP-CS	NA	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
EMAP-CS	NCA-NUTHI	Filter through Whatman glass fiber filters (GF/F, 0.7 micron) into 125 ml acid-washed, triple rinsed polyethylene bottles	Nelson, Walter G., Brock, Richard, Lee II, Henry, Lamberson, Janet O., Cole, Faith, 2007, Condition of Estuaries and Bays of Hawaii for 2002: A Statistical Summary., Office of Research and Development, National Health and Environmental Effects Research Laboratory, EPA/620/R-07/001., 153
EMAP-CS	NOTREC	Procedure not recorded	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
EMAP-CS	NR	Not relevant	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

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### EMAP-CS

### Environmental Monitoring and Assessment Program

Source	Procedure ID	Procedure Name	Citation
EMAP-CS	NUT-NCA	Filtration operation using a 0.7 micron glass-fiber filter	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Nutrient Collections/Chemistry Metadata, U.S. Environmental Protection Agency, 10 p
EMAP-CS	ORG-NCA	National Status and Trends Organic Methods	Lauenstein, G. G. and A. Y. Cantillo (eds.), 1993, Sampling and analytical methods of the National Status and Trends Program National Benthic Surveillance and Mussel Watch Projects 1984-1992: Comprehensive descriptions of trace organic analytical methods, Volume IV NOAA Technical Memorandum NOS ORCA 71, Silver Spring, MD., NOAA, Silver Spring, MD, 182 p
EMAP-CS	PSEP86	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	SE	Solvent extraction	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
EMAP-CS	SE(VP)	Soxhlet extraction and extract drying, concentration and clean-up	C. Strobel, 1996, EMAP-Estuarines 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p
EMAP-CS	SM2540D	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
EMAP-CS	SM4500NH3	SM4500NH3: EMAP-West CA 1999-2000 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
EMAP-CS	SM4500NO3	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
EMAP-CS	SM4500P	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
EMAP-CS	SOXHLET	Soxhlet solvent extraction	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### EMAP-CS Environmental Monitoring and Assessment Program

Source	Procedure ID	Procedure Name	Citation
EMAP-CS	TAAII	Lab sample prep procedures for using a Technicon AutoAnalyzer II	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
EMAP-CS	TOC_HI	Sediments are dried and acidified to remove sources of inorganic carbon (e.g. carbonates).	Nelson, Walter G., Brock, Richard, Lee II, Henry, Lamberson, Janet O., Cole, Faith, 2007, Condition of Estuaries and Bays of Hawaii for 2002: A Statistical Summary., Office of Research and Development, National Health and Environmental Effects Research Laboratory, EPA/620/R-07/001., 153
EMAP-CS	TOX-NCA	Sediment toxicity test laboratory set-up	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
EMAP-CS	TSS-NCA	Water sample filtered	J. Kiddon, H. Buffum, 2002, EMAP-NCA Northeast 2000 Nutrient Collections/Chemistry Metadata, U.S. Environmental Protection Agency, 10 p
EMAP-CS	V-EPA245.5	Method variation of EPA245.5 developed by Varian Analytical Instruments	Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
USEPA	3010-A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by FLAA or ICP Spectrometry	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3020-A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by GFAA Spectroscopy	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### FWCLOCAL Florida Fish and Wildlife Conservation Commission (Florida)

Source	Procedure ID	Procedure Name	Citation
21FLGFWF	4500-P-B(1)	Preliminary filtration for orthophosphorus 0.45um membrane filter	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
21FLGFWF	4500-P-B(5)	Persulfate digestion for total phosphorus	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
APHA	3030-B	Preliminary Filtration of Metals Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-E	Nitric Acid Digestion of Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-NH3(B)	Preliminary Distillation Step	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
FWCLOCAL	4500-P-B(1)	Preliminary filtration for othrophosphorus 0.45um membrane filter	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
FWCLOCAL	4500-P-B(5)	Persulfate digestion for total phosphorus	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### HI301H

### City and county of Honolulu

Source	Procedure ID	Procedure Name	Citation
APHA	3030-B	Preliminary Filtration of Metals Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-E	Nitric Acid Digestion of Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
HI301H	NITRIC-PEROXIDE	nitric acid and peroxide digestion for As and Se	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
HI301H	PERSULF DIG	Persulfate Digestion for Total Nitrogen	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
HI301H	SPE	Solid Phase Extraction	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
HI301H	SPE-SGT	solid phase extraction followed by fog removal by sgt column	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
USEPA	1625P	BNA (isotopic dilution) Preparation	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	200.2-M	Total Recoverable Metals Digestion	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.8-CR	Clean Room Preparation for EPA 200.8	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

IL_EPA		Illinois EPA	
Source	Procedure ID	Procedure Name	Citation
IL_EPA	FIELD	ANALYZED IN FIELD	IEPA FIELD - Illinois EPA, 1994, Illinois EPA field methods manual, Illinois EPA, Sections B and H
IL_EPA	LAB	ANALYZED IN LAB	IEPA LAB - Illinois EPA, 1993, IEPA Lab Methods Manual , Illinois EPA, Volumes 1 and 2

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

<b>LAKELAND</b>		<b>City of Lakeland (Florida)</b>	
<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
LAKELAND	2120 C	Color in Water by Spectrophotometry	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
LAKELAND	2540 C	FilterableTDS residues	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
LAKELAND	2540 D	Nonfilterable TSS Residues	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
LAKELAND	3111 B	CA/MG/FE/CD/ZN	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
LAKELAND	3111 D	ALUMINUM	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
LAKELAND	3113 B	Cr/aS/Pb/Se/Ag/Cu	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
LAKELAND	4500-NH3-G	AMMONIA IN WATER USING AUTOMATED PHENOTE METHOD	American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition
LAKELAND	9222-B	Total Coliform analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
LAKELAND	9222-D	Fecal Coliform Analysis	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
LAKELAND	CHLA 4.3.1	CHLOROPHYL A ANALYSIS	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
LAKELAND	EPA 310.1	Alkalinity by Titration	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### LAKELAND

### City of Lakeland (Florida)

Source	Procedure ID	Procedure Name	Citation
LAKELAND	EPA 350.1	AMMONIA NITROGEN BY COLORIMETRY	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
LAKELAND	EPA 353.2	NITRATE NITRITE NITROGEN BY COLORIMETRY	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
LAKELAND	EPA 365.1	PHOSPHORUS BY COLORIMETRY	USEPA, 2000, Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, vol 1., USEPA, 815/R-00-014
LAKELAND	EPA 365.4	TOTAL PHOSPHORUS AFTER DIGESTION BLOCK	USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008
LAKELAND	EPA6.4	EPA Macroinvert Field & Lab methods for evaluating 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
LAKELAND	NITROGEN	TOTAL NITROGEN	City of Lakeland, 1999, Total Nitrogen, City of Lakeland, 1

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### MDEDAT01 Maryland Dept. of the Environment Dredging Ambient Data

Source	Procedure ID	Procedure Name	Citation
MDEDAT01	CBL001	Sample preparation of biotic tissue used by Chesapeake Biological Laboratory - yr01	Jay C. Means, October 1982, "Data on Trace Organic Contaminants in Water, Sediments and the Biota". Assessment of the Environmental Impacts of Construction and Operation of the Hart and Miller Islands Containment Facility, 1981 - 1982, Chesapeake Research Consortium, VII, pp. 210-272

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**MDEDAT09**

### Maryland Dept. of the Environment Risk Assessment Data

Source	Procedure ID	Procedure Name	Citation
USEPA	200.7-T	Total Metals Preparation for EPA 200.2	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	P-010-1	Preparation for Pesticides/PCB in Water/Soil	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	PAH-010	Preparation of Samples for PAH Analysis	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	PCB-007	Preparation of Samples for PCB Analysis	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	SFSAS_FT_PREP	Fish Tissue Preparation Technique	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### MDEQ-WQ                      Montana DEQ - Water Quality Division

Source	Procedure ID	Procedure Name	Citation
MDEQ-WQ	4500-N-C	Persulfate Digestion	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
MDEQ-WQ	4500-P-B	Sulfuric Acid and Persulfate Digestion Sample Preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
MDEQ-WQ	TPN-4500-N-C	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
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	200.2-M	Total Recoverable Metals Digestion	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3051	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3520-C	Continuous Liquid-Liquid Extraction for Organics	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	3550-A	Ultrasonic Extraction of Nonvolatile and Semivolatile Organic Compounds from Soils, Sludges, and Wastes	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### MNPCA1 Minnesota Pollution Control Agency

Source	Procedure ID	Procedure Name	Citation
MNPCA1	FLT CHL A	Filtration of sample prior to lab delivery for chlorophyll 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

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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### MONT-DEQ Montana Department of Environmental Quality

Source	Procedure ID	Procedure Name	Citation
MONT-DEQ	TPN-4500-N-C	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
USEPA	3050-A	Acid Digestion of Sediments, Sludges, and Soils	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**MTWTRSHD**

**Montana Watershed Data**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	200.2-M	Total Recoverable Metals Digestion	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**MWRDSTOR**

**Metropolitan Water Reclamation District of Greater Chicago**

Source	Procedure ID	Procedure Name	Citation
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**R2-LAB**

**New York**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
ASTM	D4638	Preparation of Biological Samples for Inorganic Chemical Analysis	American Society for Testing of Materials, 1994, ASTM Standards. Water and Environmental Technology (I), American Society for Testing and Materials, Vol 11.01

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### R4ATHENS

### EPA Region 4 Athens Lab (Georgia)

Source	Procedure ID	Procedure Name	Citation
R4ATHENS	103C	103C	ASB103C_MOD1 - USEPA, Region 4, Unknown, ASB103C, Mod 1.0, USEPA, Region 4, All
R4ATHENS	107C	107C	ASB107C - USEPA, Region 4, 2002, ASB107C, Nov 2002, USEPA, Region 4, All
R4ATHENS	245.1	245.1	245.1_REV3 - USEPA, Region 4, 1994, 245.1 Rev 3.0, May 1994, USEPA Region 4, All
R4ATHENS	245.5	245.5	245.5_REV2.3 - USEPA, Region 4, 1991, 245.5, Rev 2.3, Apr 1991, USEPA, Region 4, All
R4ATHENS	300.0	300.0	300.0_REV2.1 - USEPA, Region 4, 1993, 300.0 Rev 2.1, Aug 1993, Mod 1.0 Sep 2000, USEPA, Region 4, All
R4ATHENS	3520C	3520C	3520C_REV3 - USEPA, Region 4, 1996, 3520C Rev 3, Dec 1996, Mod 1.0, USEPA, Region 4, All
R4ATHENS	3545	3545	3545_REV0 - USEPA, Region 4, 1996, 3545 Rev 0, Dec 1996, USEPA, Region 4, All
R4ATHENS	5030B	5030B	5030B_REV2 - USEPA, Region 4, 1996, 5030B Rev 2, Dec 1996, USEPA, Region 4, All
R4ATHENS	5035	5035	5035_REV0 - USEPA, Region 4, 1996, 5035 Rev 0, Dec 1996, USEPA, Region 4, All
R4ATHENS	ILM04.1	ILM04.1	ILM04.1 - USEPA, Region 4, Unknown, ILM04.1, USEPA, Region 4, All
R4ATHENS	OLM04.2	OLM04.2	OLM04.2 - USEPA, Region 4, Unknown, OLM04.2, USEPA, Region 4, All
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**SDWRAP**

**SD Dept of Environmental & Natural Resources**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
SDWRAP	SECCHI DISK	SECCHI DISK TRANSPARENCY	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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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**SHELLYAB**

**Shell Chemical Yabucoa (Puerto Rico)**

Source	Procedure ID	Procedure Name	Citation
SHELLYAB	3541	3541	6 - <a href="http://www.epa.gov/epaoswer/hazwaste/test/pdfs/8082.pdf">http://www.epa.gov/epaoswer/hazwaste/test/pdfs/8082.pdf</a> , 1996, <a href="http://www.epa.gov/epaoswer/hazwaste/test/pdfs/8082.pdf">http://www.epa.gov/epaoswer/hazwaste/test/pdfs/8082.pdf</a> , <a href="http://www.epa.gov/epaoswer/hazwaste/test/pdfs/8082.pdf">http://www.epa.gov/epaoswer/hazwaste/test/pdfs/8082.pdf</a> , 8082-3
SHELLYAB	AQUA REGIA	Aqua Regia Digest	7 - <a href="http://www.cdc.gov/niosh/nmam/pdfs/7301.pdf">http://www.cdc.gov/niosh/nmam/pdfs/7301.pdf</a> , 2004, ELEMENTS by ICP (Aqua Regia Ashing) - 7301, NIOSH Manual of Analytical Methods (NMAM), Fourth Edition, pp 8
SHELLYAB	HF DIGEST	HF DIGEST	8 - Government Geoscience Information Policy Advisory Committee (GGIPAC), 2004, AUSTRALIAN REQUIREMENTS FOR THE SUBMISSION OF DIGITAL EXPLORATION DATA, Government Geoscience Information Policy Advisory Committee (GGIPAC), pp 43

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

**SRMTAKNY**

**St. Regis Mohawk Tribe (New York)**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
USEPA	PCB-007	Preparation of Samples for PCB Analysis	USEPA, 1994, Field Methods Compendium., USEPA, FMC_METHODS
USEPA	SFSAS_FT_PREP	Fish Tissue Preparation Technique	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055
USEPA	SFSAS_S_PREP	Sediment Preparation Technique	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**TDECDOE Tennessee Department of Environment and Conservation**

Source	Procedure ID	Procedure Name	Citation
APHA	3030-C	Treatment for Acid-Extractable Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-D	Preliminary Digestion for Metal Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
TDECDOE	% SOLIDS	Percent Solids	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	A.12	Total Hardness - State of Tennessee Environmental Laboratories	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
TDECDOE	A.18.1	Ammonia - State of Tennessee Environmental Laboratories	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
TDECDOE	A.18.2	Ammonia, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	A.18.4	NO3 & NO2 - State of Tennessee Environmental Laboratories	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
TDECDOE	A.18.8	Total Kjeldahl Nitrogen - State of Tennessee Environmental Laboratories	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
TDECDOE	A.18.8.1	Total Kjeldahl Nitrogen, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	A.18.9.1	Total Phosphate - State of Tennessee Environmental Laboratories	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	A.19.1	Oil and grease, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**TDECDOE Tennessee Department of Environment and Conservation**

Source	Procedure ID	Procedure Name	Citation
TDECDOE	A.19.2	TPH Total Petroleum Hydrocarbons - sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	A.2	BOD, 5-day - State of Tennessee Environmental Laboratories	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	A.23.1	Total Phenols, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	A.24.2	Suspended Residue - State of Tennessee Environmental Laboratories	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
TDECDOE	A.24.3	Dissolved Residue - State of Tennessee Environmental Laboratories	Unknown, 19--, No Cite - Method Not Cited, Unknown, Vol --
TDECDOE	A.3	Boron, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	A.6	Low COD - State of Tennessee Environmental Laboratories	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	A.9	Cyanide - State of Tennessee Environmental Laboratories	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 200.7	Lithium	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 200.9	Metals - EPA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
TDECDOE	EPA 202.1	Aluminum by FLAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**TDECDOE Tennessee Department of Environment and Conservation**

Source	Procedure ID	Procedure Name	Citation
TDECDOE	EPA 206.2	Arsenic sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 208.1	Barium, sediment	USEPA, 1991, Methods for the Determination of Metals in Environmental Samples, USEPA, EPA 600/4-91-010
TDECDOE	EPA 213.1	Cadmium, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 215.1	Calcium, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 218.1	Chromium, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 219.1	Cobalt, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 220.1	Copper, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 236.1	Iron	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 236.2	Iron sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 239.1	Lead, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 242.1	Magnesium, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __

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## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**TDECDOE Tennessee Department of Environment and Conservation**

Source	Procedure ID	Procedure Name	Citation
TDECDOE	EPA 243.1	Manganese	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 243.2	Manganese sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 245.1	Mercury - EPA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
TDECDOE	EPA 245.5	Mercury, sediment	USEPA, 1980, Methods for the Sampling and Analysis of Priority Pollutants in Sediments and Fish Tissue, USEPA, EPA-600/4-81-055
TDECDOE	EPA 249.1	Nickel, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 249.2	Nickel by GFAA	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
TDECDOE	EPA 258.1	Potassium	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 270.3	Selenium	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 272.1	Silver	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 273.1	Sodium, sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 289.1	Zinc	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**TDECDOE Tennessee Department of Environment and Conservation**

Source	Procedure ID	Procedure Name	Citation
TDECDOE	EPA 289.2	Zinc sediment	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	EPA 375.4	Sulfate by Turbidimetric Determination	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	MS	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	Mass spec & electron capture for extractable organics	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	PARTSIZE	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	Gross Alpha & Beta, State of Tennessee Environmental Laboratory Services	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	R.6	Gamma Radionuclides, State of Tennessee Environmental Laboratories	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
TDECDOE	SM 9000	E. Coli, Enterococcus - Standard Methods 9000	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
TDECDOE	SM 9222-D	Fecal 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
TDECDOE	SM 9230-B	Fecal Strep	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### TDECDOE Tennessee Department of Environment and Conservation

Source	Procedure ID	Procedure Name	Citation
TDECDOE	TOC	EPA 9060 Total Organic Carbon (TOC)	Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	200.2-M	Total Recoverable Metals Digestion	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.7-T	Total Metals Preparation for EPA 200.2	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.8-T	Total Metals Preparation for EPA 200.8	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

### TDECWPC Tennessee Department of Environment and Conservation

Source	Procedure ID	Procedure Name	Citation
APHA	3030-C	Treatment for Acid-Extractable Metals	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	3030-D	Preliminary Digestion for Metal Samples	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
APHA	4500-NH3-B	Preliminary Distillation for Ammonia in Water	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
USEPA	200.2	Preparation for Water, Soil, or Waste Samples	USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
USEPA	200.2-M	Total Recoverable Metals Digestion	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III
USEPA	200.7-T	Total Metals Preparation for EPA 200.2	USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

## Lab Sample Preparation Procedures

October 27, 2008 15:31:34

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**USVIST**

**Government US Virgin Islands**

<b>Source</b>	<b>Procedure ID</b>	<b>Procedure Name</b>	<b>Citation</b>
APHA	9230-C-2	Fecal Streptococcus and Enterococcus Group, Membrane Filter Sample Preparation	American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

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