

---

 Guide to Environmental Analytical Methods
 

---

## Table of Contents

	<b>Page</b>
<b>Introduction</b>	iii
<b>Analytical Methods – Organic Constituents</b>	<b>1</b>
Herbicides (chlorinated) by GC	3
	Method Comparison
	Analyte Listing
Pesticides (organochlorine) and PCBs by GC	9
	Method Comparison
	Analyte Listing
Semivolatile Organic Compounds by GC/MS	20
	Method Comparison
	Analyte Listing
Volatile Organic Compounds by GC/MS	37
	Method Comparison
	Analyte Listing
Volatile Organic Compounds by GC	50
	Method Comparison
	Analyte Listing
<b>Analytical Methods – Inorganic Constituents</b>	<b>61</b>
Cyanide (total and amenable)	62
Organic Carbon (total)	69
Mercury by Cold Vapor Atomic Absorption	71
Trace Metals by Flame & Graphite Furnace Atomic Absorption Spectroscopy	76
	Method Comparison
	Analyte Listing
Trace Metals by ICP-AES	82
	Method Comparison
	Analyte Listing
Trace Metals by ICP-MS	88
	Method Comparison
	Analyte Listing
<b>Analytical Methods – Anions</b>	<b>95</b>
Multi-Analyte Analysis of Anions	95
	Method Comparison
	Analyte Listing
<b>Sampling Procedures and Preparation</b>	<b>99</b>
Method Reference and Sampling Guidelines	100
	Solid and Aqueous
	Drinking Water
Sampling Extraction Methods (solids)	124
Sampling Extraction Methods (liquids)	128
Sampling Cleanup Methods	130
Sampling Extraction and Cleanup Methods	134
	Standard Methods, 20th Edition
	EPA 500 Series
	CFR 40
	CLP
	Elemental Analysis
<b>APPENDICES</b>	
<b>A. Tables Extracted from Original Documentation</b>	
EPA Contract Laboratory Program (CLP) - Organic Statement of Work	A-1
EPA Contract Laboratory Program (CLP) - Inorganic Statement of Work	A-18
EPA 200 Series	A-22
EPA 500 Series	A-31
EPA 600 Series	A-74

**Table of Contents, *continued***

	<b><u>Page</u></b>
<b>APPENDICES</b>	
Standard Methods for the Examination of Water and Wastewater, 20th Edition	A-90
SW-846, EPA Test Methods for Evaluating Solid Waste	A-114
<b>B. Organic Analyte Cross-Reference to Methods</b>	B-1
<b>C. Inorganic Analyte Cross-Reference to Methods</b>	C-1
<b>D. SW-846 History</b>	D-1
<b>E. Terms and Abbreviations</b>	E-1
<b>F. References</b>	F-1