

**APPENDIX III**  
**LISTING OF ANALYTES, METHODS, AND DETECTION OR QUANTITATION LIMITS**  
**FOR POLLUTANTS OF CONCERN TO RISK ASSESSMENT**

The purpose of this appendix is to familiarize the reader with the variety of EPA methods that are available for analysis of pollutants of concern in risk assessment. The appendix facilitates appropriate method selection for pollutants in the matrix of interest.

Appendix III consists first of a summary of definitions of commonly used detection limits and quantitation limits. Tables I, II, and III depict detection limit estimates achievable for 33 organic and inorganic pollutants of potential concern to risk assessment in air, soil, and water matrices respectively. The detection limits listed herein are provided for guidance and may not always be achievable. Specific quantitation limits are highly matrix-dependent.

Table IV provides a summary of each method of analysis for these pollutants. The 33 pollutants listed were chosen because they are highly toxic and/or have reported cancer risks, and occur at a frequency of greater than 2% in 141 National Priorities List (NPL) sites.\*

Tables V-A and V-B provide an additional comparison of analytical methodologies for selected organic compound classes and inorganic analytes including method detection ranges and the applicable analytical system and preparation procedures.

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\*Source: CLP Statistical Database (STAT).

### APPENDIX III GLOSSARY

#### Instrumentation

CVAA =	Cold Vapor Atomic Absorption
ECD =	Electron Capture Detector
ELCD =	Electrolytic Conductivity Detector
FID =	Flame Ionization Detector
FLAME =	Flame Atomic Absorption
Fluor =	Fluorescence
FPD =	Flame Photometric Detector
GC =	Gas Chromatography
GC-MS =	Gas Chromatography-Mass Spectrometry
GFAA =	Graphite Furnace Atomic Absorption
HPLC =	High Pressure Liquid Chromatography
HYDAA =	Hydride Atomic Absorption
ICP =	Inductively Coupled Plasma
LC =	Liquid Chromatography
MS =	Mass Spectrometry
NPD =	Nitrogen/Phosphorus Detector
PID =	Photoionization Detector
UV =	Ultraviolet

#### Quantitation/Detection Limits

CRDL =	Contract Required Detection Limit
CRQL =	Contract Required Quantitation Limit
EDL =	Estimated Detection Limit
MDL =	Method Detection Limit
NA =	Not Available
PQL =	Practical Quantitation Limit

#### Methods/Sample Preparation

CLP SOW	Contract Laboratory Program Statement of Work
DI	Direct injection of liquid samples; solid samples mixed, then injected
EPA	Guidelines Establishing Test Procedures for the Analysis of Pollutants under the Clean Water Act
EPA AIR	Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air
EPA DW	Methods for the Determination of Organic Compounds in Drinking Water
EP Extracts	Extraction procedure toxicity test extracts
MCAWW	Methods for Chemical Analysis of Water and Wastes
QTM	Quick Turnaround Method
SDDC	Silver diethyldithiocarbamate
SMEWW	Standard Methods for the Examination of Water and Wastewater
SW846	Test Methods for Evaluating Solid Waste
TO	Toxic organic
XTN	Extraction methods that could be used include 3510, 3520, 3540 and 3550
3510	Separatory Funnel Extraction of Liquid Samples
3540	Soxhlet Extraction of Solid Samples
3550	Sonication Extraction of Solid Samples
5030	Purge and Trap

## METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

## AIR MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
<u>ORGANOCHLORINE PESTICIDES/AROCLORS</u>			
Chlordane 57749	EPA AIR METHOD TO-4 "Method for the Determination of Organochlorine Pesticides and Polychlorinated Biphenyls in Ambient Air"	GC-ECD	EDL = > 1.0 ng/m <sup>3</sup>
p,p'-DDE 72559	EPA AIR METHOD TO-4 "Method for the Determination of Organochlorine Pesticides and Polychlorinated Biphenyls in Ambient Air"	GC-ECD	EDL = > 1.0 ng/m <sup>3</sup>
p,p'-DDT 50293	EPA AIR METHOD TO-4 "Method for the Determination of Organochlorine Pesticides and Polychlorinated Biphenyls in Ambient Air"	GC-ECD	EDL = > 1.0 ng/m <sup>3</sup>
<u>VOLATILE COMPOUNDS</u>			
1,1-dichloroethane 75343	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	NA
1,1,2-trichloroethane 79005	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	NA
1,1,2,2-tetrachloroethane 79345	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	NA
1,2-dichloroethane 107062	EPA AIR METHOD TO-2 "Method for the Determination of Volatile Organic Compounds in Ambient Air by Carbon Molecular Sieve Adsorption and Gas Chromatography-Mass Spectrometry (GC-MS)"	GC-MS	NA
1,2-dichloropropane 78875	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	NA

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TABLE I

METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

AIR MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
1,4-dichlorobenzene 106467	EPA AIR METHOD TO-1 "Method for the Determination of Volatile Organic Compounds in Ambient Air Using Tenax Adsorption and Gas Chromatography-Mass Spectrometry (GC-MS)"	GC-MS	NA
	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	NA
	EPA AIR METHOD TO-3 "Method for the Determination of Volatile Organic Compounds in Ambient Air Using Cryogenic Preconcentration Techniques and Gas Chromatography with Flame Ionization and Electron Capture Detection"	GC-FID/ GC-ECD	NA
Benzene 71432	EPA AIR METHOD TO-1 "Method for the Determination of Volatile Organic Compounds in Ambient Air Using Tenax Adsorption and Gas Chromatography-Mass Spectrometry (GC-MS)"	GC-MS	NA
	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	EDL = 6.0 mg/m <sup>3</sup>
	EPA AIR METHOD TO-2 "Method for the Determination of Volatile Organic Compounds in Ambient Air by Carbon Molecular Sieve Adsorption and Gas Chromatography-Mass Spectrometry (GC-MS)"	GC-MS	NA
	EPA AIR METHOD TO-3 "Method for the Determination of Volatile Organic Compounds in Ambient Air Using Cryogenic Preconcentration Techniques and Gas Chromatography with Flame Ionization and Electron Capture Detection"	GC-FID/ GC-ECD	NA
Chloroethene (Vinyl Chloride) 75014	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	NA
Dichloromethane (Methylene Chloride) 75092	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	NA

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METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT  
AIR MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Dichloromethane (Methylene Chloride) 75092	EPA AIR METHOD TO-2 "Method for the Determination of Volatile Organic Compounds in Ambient Air by Carbon Molecular Sieve Adsorption and Gas Chromatography-Mass Spectrometry (GC-MS)"	GC-MS	NA
Etheryl Benzene (Styrene) 100425	EPA AIR METHOD TO-3 "Method for the Determination of Volatile Organic Compounds in Ambient Air Using Cryogenic Preconcentration Techniques and Gas Chromatography with Flame Ionization and Electron Capture Detection"  EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-FID/ GC-ECD  GC-MS	NA  EDL = 10 mg/m <sup>3</sup>
Tetrachloroethene (Tetrachloroethylene) 127184	EPA AIR METHOD TO-3 "Method for the Determination of Volatile Organic Compounds in Ambient Air Using Cryogenic Preconcentration Techniques and Gas Chromatography with Flame Ionization and Electron Capture Detection"  EPA AIR METHOD TO-1 "Method for the Determination of Volatile Organic Compounds in Ambient Air Using Tenax Adsorption and Gas Chromatography-Mass Spectrometry (GC-MS)"	GC-FID/ GC-ECD  GC-MS	NA  NA
Tetrachloromethane (Carbon Tetrachloride) 56235	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	EDL = 50 mg/m <sup>3</sup>
	EPA AIR METHOD TO-3 "Method for the Determination of Volatile Organic Compounds in Ambient Air Using Cryogenic Preconcentration Techniques and Gas Chromatography with Flame Ionization and Electron Capture Detection"	GC-FID/ GC-ECD	NA
	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	EDL = 2000 mg/m <sup>3</sup>

## METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

## AIR MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Tetrachloromethane (Carbon Tetrachloride) 56235	EPA AIR METHOD TO-2 "Method for the Determination of Volatile Organic Compounds in Ambient Air by Carbon Molecular Sieve Adsorption and Gas Chromatography-Mass Spectrometry (GC-MS)"	GC-MS	NA
	EPA AIR METHOD TO-3 "Method for the Determination of Volatile Organic Compounds in Ambient Air Using Cryogenic Preconcentration Techniques and Gas Chromatography with Flame Ionization and Electron Capture Detection"	GC-FID/ GC-ECD	NA
Trichloromethane (Chloroform) 67663	EPA AIR METHOD TO-14 "The Determination of Volatile Organic Compounds (VOCs) in Ambient Air Using SUMMA Passivated Canister Sampling and Gas Chromatographic Analysis"	GC-MS	EDL = 2000 mg/m <sup>3</sup>
	EPA AIR METHOD TO-2 "Method for the Determination of Volatile Organic Compounds in Ambient Air by Carbon Molecular Sieve Adsorption and Gas Chromatography-Mass Spectrometry (GC-MS)"	GC-MS	NA
	EPA AIR METHOD TO-3 "Method for the Determination of Volatile Organic Compounds in Ambient Air Using Cryogenic Preconcentration Techniques and Gas Chromatography with Flame Ionization and Electron Capture Detection"	GC-FID/ GC-ECD	NA

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METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT  
SOIL/SEDIMENT MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/ TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
<b>INORGANICS</b>			
Arsenic 7440382	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration"	GFAA-ICP	CRDL = 2.0 mg/kg
	MCAWW METHOD 206.2/SW846 Method 7060 "Arsenic (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 0.1 mg/kg
	SW846 METHOD 6010 "Inductively Coupled Plasma Atomic Emission Spectroscopy"	ICP	EDL = 5.3 mg/kg
	SW846 METHOD 7061 "Arsenic (Atomic Absorption, Gaseous Hydride)"	HYDAA	MDL = 0.1 mg/kg
Beryllium 7440417	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration"	GFAA-FLAME- ICP	CRDL = 1.0 mg/kg
	MCAWW METHOD 210.1/SW846 Method 7090 "Beryllium (Atomic Absorption, Direct Aspiration)"	FLAME	MDL = 0.5 mg/kg
	MCAWW METHOD 210.2/SW846 Method 7091 "Beryllium (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 0.02 mg/kg
	SW846 METHOD 6010 "Inductively Coupled Plasma Atomic Emission Spectroscopy"	ICP	EDL = 0.03 mg/kg
Cadmium 7440439	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration"	GFAA-ICP- FLAME	CRDL = 1.0 mg/kg
	MCAWW METHOD 213.1/SW846 Method 7130 "Cadmium (Atomic Absorption, Direct Aspiration)"	FLAME	MDL = 0.5 mg/kg
	MCAWW METHOD 213.2/SW846 Method 7131 "Cadmium (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 0.01 mg/kg

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ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/ TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Cadmium 7440439	SW846 METHOD 6010 "Inductively Coupled Plasma Atomic Emission Spectroscopy"	ICP	EDL = 0.4 mg/kg
Chromium, Total 7440473	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration"	GFAA-ICP- FLAME	CRDL = 2.0 mg/kg
	MCAWW METHOD 218.1/SW846 Method 7190 "Chromium (Atomic Absorption, Direct Aspiration)"	FLAME	MDL = 5.0 mg/kg
	MCAWW METHOD 218.2/SW846 Method 7191 "Chromium (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 0.1 mg/kg
	SW846 METHOD 6010 "Inductively Coupled Plasma Atomic Emission Spectroscopy"	ICP	EDL = 0.7 mg/kg
Chromium, Hexavalent 7440473	SW846 METHOD 7195 "Chromium Hexavalent (Coprecipitation) for EP Extracts"	FLAME-GFAA	MDL = 100 mg/kg
	SW846 METHOD 7196 "Chromium Hexavalent (Colorimetric) for EP Extracts"	Colorimeter	MDL = 10 mg/kg
	SW846 METHOD 7197 "Chromium Hexavalent (Chelation/Extraction) for EP Extracts"	FLAME	MDL = 20 mg/kg
	SW846 METHOD 7198 "Chromium Hexavalent (Differential Pulse Polarography) for EP Extracts"	Polarograph	MDL = 20 mg/kg
Cyanide, Total 57-12-5	CLP SOW for Inorganic Analysis-Multi-Media, High Concentration	Colorimeter	CRDL = 1.0 mg/kg
	SMEWW Method 4500 CN, C, D, E, F, Total Cyanide after Distillation	Colorimeter- Titrimetric- Ion-Selective Electrode	EDL = 2.0 mg/kg EDL = 5.0 mg/kg



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ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/ TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Cyanide, Total & Amenable to Chlorination	SW846 Method 9010, "Total and Amendable Cyanide (Colorimetric, manual)"	Colorimeter	CRDL = 1.0 mg/kg
Lead 7439921	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration" MCAWW METHOD 239.1/SW846 Method 7420 "Lead (Atomic Absorption, Direct Aspiration)"	GFAA-FLAME- ICP FLAME	CRDL = 0.6 mg/kg MDL = 10 mg/kg
	MCAWW METHOD 239.2/SW846 Method 7421 "Lead (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 0.1 mg/kg
	SW846 METHOD 6010 "Inductively Coupled Plasma Atomic Emission Spectroscopy"	ICP	EDL = 4.2 mg/kg
Mercury 7439976	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration" MCAWW METHOD 245.5 "Mercury in Sediment (Manual Cold Vapor Technique)"	CVAA CVAA	CRDL = 0.1 mg/kg MDL = 0.2 mg/kg
	SW846 METHOD 7471 "Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)"	CVAA	MDL = 0.1 mg/kg
<u>ORGANOCHLORINE PESTICIDES/AROCLORS</u>			
Aroclor 1260 (PCB-1260) 11096825	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration" CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-ECD GC-ECD	CRQL = 33 ug/kg CRQL = 33 ug/kg

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ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/ TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Chlordane 57749	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-ECD	CRQL = 1.7 ug/kg
	CLP SOW METHOD QTM (Alpha and Gamma) "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques" (CRQL is for Gamma Chlordane)	GC-ECD	CRQL = 3.3 ug/kg
	SW846 METHOD 8080 "Organochlorine Pesticides and PCBs"	GC-ECD	PQL = 9.0 ug/kg
Dieldrin 60571	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-ECD	CRQL = 3.3 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-ECD	CRQL = 3.3 ug/kg
	SW846 METHOD 8080 "Organochlorine Pesticides and PCBs"	GC-ECD	PQL = 1.3 ug/kg
Heptachlor 76448	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-ECD	CRQL = 1.7 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-ECD	CRQL = 3.3 ug/kg
	SW846 METHOD 8080 "Organochlorine Pesticides and PCBs"	GC-ECD	PQL = 2.0 ug/kg
Lindane 58899	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-ECD	CRQL = 1.7 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-ECD	CRQL = 3.3 ug/kg

## METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

## SOIL/SEDIMENT MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/ TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
p,p'-DDE 72559	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-ECD	CRQL = 3.3 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-ECD	CRQL = 3.3 ug/kg
	SW846 METHOD 8080 "Organochlorine Pesticides and PCBs"	GC-ECD	PQL = 2.7 ug/kg
p,p'-DDT 50293	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-ECD	CRQL = 3.3 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-ECD	CRQL = 3.3 ug/kg
	SW846 METHOD 8080 "Organochlorine Pesticides and PCBs"	GC-ECD	PQL = 8.0 ug/kg
<u>SEMIVOLATILE COMPOUNDS</u>			
3,5,5-trimethyl- 2-cyclohexen-1-one (Isophorone) 78591	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 330 ug/kg
	SW846 METHOD 8270 "Gas Chromatography-Mass Spectrometry for Semivolatile Organics: Capillary Column Technique"	GC-MS	PQL = 660 ug/kg
Benzo <a> pyrene 50328	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 330 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-FID	CRQL = 330 ug/kg

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ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/ TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Benzo <a> pyrene 50328	SW846 METHOD 8270 "Gas Chromatography-Mass Spectrometry for Semivolatile Organics: Capillary Column Technique"	GC-MS	PQL = 660 ug/kg
Bis-(2-Dichloroethyl) ether 111444	SW846 METHOD 8310 "Polynuclear Aromatic Hydrocarbons"	HPLC	PQL = 15 ug/kg
Bis-(2-ethylhexyl) phthalate 117817	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 330 ug/kg
	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 330 ug/kg
	SW846 METHOD 8060 "Phthalate Esters"	GC-ECD	PQL = 1340 ug/kg
	SW846 METHOD 8270 "Gas Chromatography-Mass Spectrometry for Semivolatile Organics: Capillary Column Technique"	GC-MS	PQL = 660 ug/kg
N-nitrosodi- phenylamine 86306	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 330 ug/kg
	SW846 Method 8270 "Gas Chromatography-Mass Spectrometry for Semivolatile Organics: Capillary Column Technique"	GC-MS	PQL = 660 ug/kg
<u>VOLATILE COMPOUNDS</u>			
1,1-dichloroethane 75343	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	SW846 METHOD 8010 "Halogenated Volatile Organics"	GC-ELCD	PQL = 0.7 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg

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1,1-dichloroethane 75343	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-PID	CRQL = 40 ug/kg
1,1-dichloroethene 75354	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-PID	CRQL = 40 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg
1,1,1,2-tetrachloroethane 79005	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	SW846 METHOD 8010 "Halogenated Volatile Organics"	GC-ELCD	PQL = 0.2 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg
1,1,1,2-tetrachloroethane 79345	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-ECD	CRQL = 40 ug/kg
	SW846 METHOD 8010 "Halogenated Volatile Organics"	GC-ELCD	PQL = 0.3 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg

METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT  
SOIL/SEDIMENT MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/ TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
1,2-dichloroethane 107062	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-PID	CRQL = 40 ug/kg
	SW846 METHOD 8010 "Halogenated Volatile Organics"	GC-ELCD	PQL = 0.3 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg
1,2-dichloropropane 78875	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg
	SW846 METHOD 8010 "Halogenated Volatile Organics"	GC-ELCD	PQL = 0.4 ug/kg
1,4-dichlorobenzene 106467	SW846 METHOD 8010 "Halogenated Volatile Organics"	GC-ELCD	PQL = 2.4 ug/kg
	SW846 METHOD 8020 "Aromatic Volatile Organics"	GC-PID	PQL = 3.0 ug/kg
	SW846 METHOD 8270 "Gas Chromatography-Mass Spectrometry for Semivolatile Organics: Capillary Column Technique"	GC-MS	PQL = 660 ug/kg
Benzene 71432	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-PID	CRQL = 40 ug/kg

METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT  
SOIL/SEDIMENT MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/ TITLE OF METHOD	INSTRUMENT- ACTION	QUANTITATION/ DETECTION LIMIT
Benzene 71432	SW846 METHOD 8020 "Aromatic Volatile Organics"	GC-PID	PQL = 2.0 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg
Chloroethene (Vinyl Chloride) 75014	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-PID	CRQL = 40 ug/kg
	SW846 METHOD 8010 "Halogenated Volatile Organics"	GC-ELCD	PQL = 1.8 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 10 ug/kg
Dichloromethane (Methylene Chloride) 75092	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg
Ethenyl Benzene (Styrene) 100425	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg
Tetrachloroethene (Tetrachloroethylene) 127184	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg

## METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

## SOIL/SEDIMENT MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/ TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Tetrachloroethene (Tetrachloroethylene) 127184	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-PID	CRQL = 40 ug/kg
	SW846 METHOD 8010 "Halogenated Volatile Organics"	GC-ELCD	PQL = 0.3 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg
Tetrachloromethane (Carbon Tetrachloride) 56235	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-PID	CRQL = 40 ug/kg
	SW846 METHOD 8010 "Halogenated Volatile Organics"	GC-ELCD	PQL = 1.2 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg
Trichloromethane (Chloroform) 67663	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-MS	CRQL = 10 ug/kg
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-PID	CRQL = 40 ug/kg
	SW846 METHOD 8010 "Halogenated Volatile Organics"	GC-ELCD	PQL = 0.5 ug/kg
	SW846 METHOD 8240 "Gas Chromatography-Mass Spectrometry for Volatile Organics"	GC-MS	PQL = 5.0 ug/kg



APPENDIX III  
TABLE III

METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

AQUEOUS MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
<u>INORGANICS</u>			
Arsenic 7440382	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration"	GFAA-ICP	CRDL = 10 ug/L
	MCAWW METHOD 200.7/SW846 Method 6010/SMEWW Method 3120B "Inductively Coupled Plasma-Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes"	ICP	MDL = 53 ug/L, 53 ug/L EDL=50 ug/L
	MCAWW METHOD 206.2/SW846 Method 7060/SMEWW Method 3113B "Arsenic (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 1.0 ug/L, 1.0 ug/L EDL=1.0 ug/L
	MCAWW METHOD 206.3/SW846 Method 7061/SMEWW Method 3114B "Arsenic (Atomic Absorption-Gaseous Hydride)" Use method 206.5 for sample preparation	HYDAA	MDL = 2.0 ug/L, 2.0 ug/L EDL= 1.0 ug/L
	MCAWW METHOD 206.4 "Arsenic (Spectrophotometric-SDDC)" Use method 206.5 for sample preparation	Colorimeter	MDL = 10 ug/L
	SMEWW METHOD 3500AS C "Silver Diethyldithiocarbamate Method"	Colorimeter	EDL = 28.6 ug/L
Beryllium 7440417	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration"	GFAA-FLAME- ICP	CRDL = 5.0 ug/L
	MCAWW METHOD 200.7/SW846 Method 6010/SMEWW Method 3120B "Inductively Coupled Plasma-Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes"	ICP	EDL = 0.3 ug/L
	MCAWW METHOD 210.1 "Beryllium (Atomic Absorption, Direct Aspiration)"	FLAME	MDL = 5.0 ug/L
	MCAWW METHOD 210.2/SW846 Method 7091/SMEWW Method 3113B "Beryllium (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 0.2 ug/L, 0.2 ug/L EDL=0.2 ug/L

APPENDIX III  
TABLE III

METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

AQUEOUS MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Beryllium 7440417	SMEWW METHOD 3111D/SW846 Method 7090 "Direct Nitrous Oxide-Acetylene Flame Method"	FLAME	EDL = 5.0 ug/L, 5.0 ug/L MDL = 5.0 ug/L
	SMEWW METHOD 3111E "Extraction/Nitrous Oxide-Acetylene Flame Method"	FLAME	EDL = 5.0 ug/L
	SMEWW METHOD 3500BE D "Aluminon Method"	Colorimeter	EDL = 5.0 ug/L
Cadmium 7440439	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration"	GFAA-FLAME- ICP	CRDL = 5.0 ug/L
	MCAWW METHOD 200.7/SW846 Method 6010/SMEWW Method 3120B "Inductively Coupled Plasma-Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes"	ICP	EDL = 4.0 ug/L
	MCAWW METHOD 213.1/SW846 Method 7130/SMEWW Method 3111B "Cadmium (Atomic Absorption, Direct Aspiration)"	FLAME	MDL = 5.0 ug/L, 5.0 ug/L IDL = 2.0 ug/L
	MCAWW METHOD 213.2/SW846 Method 7131/SMEWW Method 3113B "Cadmium (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 0.1 ug/L, 0.1 ug/L EDL = 0.1 ug/L
	SMEWW METHOD 3111C "Extraction/Air-Acetylene Flame Method"	FLAME	NA
	SMEWW METHOD 3500CD D "Dithizone Method"	Colorimeter	EDL = 20 ug/ml
Chromium, Total 7440473	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration"	GFAA-ICP- FLAME	CRDL = 10 ug/L
	MCAWW METHOD 200.7/SW846 Method 6010/SMEWW Method 3120B "Inductively Coupled Plasma-Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes"	ICP	EDL = 7.0 ug/L
	MCAWW METHOD 218.1/SW846 Method 7190/SMEWW Method 3111B "Chromium (Atomic Absorption, Direct Aspiration)"	FLAME	MDL = 50 ug/L, 50 ug/L EDL = 20 ug/L

METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

AQUEOUS MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/TITLE OF METHOD	INSTRUMENT- ACTION	QUANTITATION/ DETECTION LIMIT
Chromium, Total 7440473	MCAWW METHOD 218.2 /SW846 Method 7191/SMEWW Method 3113B "Chromium (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 1.0 ug/L, 1.0 ug/L EDL = 2.0 ug/L
	MCAWW METHOD 218.3 "Chromium (Atomic Absorption, Chelation- Extraction)"	FLAME	MDL = 1.0 ug/L
Chromium, Hexavalent	MCAWW METHOD 218.4/SW846 Method 7197 "Chromium, Hexavalent (Atomic Absorption, Chelation-Extraction)"	FLAME	MDL = 10 ug/L, 1.0 ug/L
	MCAWW METHOD 218.5 "Chromium, Dissolved Hexavalent (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 1.0 ug/L
	SMEWW METHOD 3111C "Extraction/Air-Acetylene Flame Method"	FLAME	NA
	SW846 METHOD 7195 "Chromium, Hexavalent (Cocprecipitation)"	FLAME, GFAA	MDL = 5.0 ug/L
	SW846 METHOD 7196/SMEWW Method 3500CR D "Chromium, Hexavalent (Colorimetric)"	Colorimeter	MDL = 500 ug/L, NA
	SW846 METHOD 7198 "Chromium, Hexavalent (Differential Pulse Polarography)"	Polarograph	MDL = 10 ug/L
Cyanide, Total 57-12-5	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration"	Colorimeter/ Titrimetric	CRDL = 10 ug/L
	SMEWW Method 4500-CN, C, D, E, F "Total Cyanide after Distillation"	Colorimeter/ Titrimetric/ Ion-Selective Electrode	EDL = 20 ug/L EDL = 50 ug/L
	MCAWW Method 335.2 "Cyanide, Total, Titrimetric Spectrophotometric)"	Colorimeter/ Titrimetric	EDL = 20 ug/L

APPENDIX III  
TABLE III

METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

AQUEOUS MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Cyanide, Total and Amenable to Chlorination	SW846 METHOD 9010A, "Total and Amenable Cyanide (Colorimetric, Manual)	Colorimeter/ Titrimetric	EDL = 20 ug/L
	SW846 METHOD 9012 "Total and Amenable Cyanide (Colorimetric, Automated UV)"	Colorimeter/ Titrimetric	EDL = 20 ug/L
Cyanide, Amenable to Chlorination	SMEWW METHOD 4500-CN,G "Cyanide Amenable to Chlorination after Distillation"	Colorimeter/ Titrimetric/ Ion-Selective Electrode	EDL = 20 ug/L EDL = 50 ug/L
	MCAWW METHOD 335.1 "Cyanide, Amenable to Chlorination"	Colorimeter/ Titrimetric	EDL = 20 ug/L
Cyanide, Weak and Dissociable	SMEWW METHOD 4500-CN, I, D, E, F "Weak and Dissociable Cyanide"	Colorimeter/ Titrimetric/ Ion-Selective Electrode	EDL = 20 ug/L EDL = 50 ug/L
Lead 7439921	CLP SOW METHOD INORG "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration"	GFAA-FLAME- ICP	CRDL = 3.0 ug/L
	MCAWW METHOD 200.7/SW846 Method 6010/SMEWW Method 3120B "Inductively Coupled Plasma-Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes"	ICP	EDL = 42 ug/L, 42 ug/L, 40 ug/L
	MCAWW METHOD 239.1/SW846 Method 7420/SMEWW Method 3111B "Lead (Atomic Absorption, Direct Aspiration)"	FLAME	MDL = 100 ug/L, 100 ug/L EDL = 50 ug/L
	MCAWW METHOD 239.2/SW846 Method 7421/SMEWW Method 3113B "Lead (Atomic Absorption, Furnace Technique)"	GFAA	MDL = 1.0 ug/L, 100 ug/L EDL = 1.0 ug/L
	SMEWW METHOD 3111C "Extraction/Air-Acetylene Flame Method"	FLAME	NA
	SMEWW METHOD 3500PB D "Dithizone Method"	Colorimeter	EDL = 100 ug/L

## METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

## AQUEOUS MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Mercury 7439976	CLP SOW METHOD INORG/MCAWW Method 245.1 and 245.2 "Statement of Work for Inorganics Analysis - Multi-Media, Multi-Concentration, Mercury Manual ; Mercury Automated Cold Vapor Technique"	CVAA	CRDL = 0.2 ug/L MDL=0.2 ug/L; 0.2 ug/L
	SMEWW METHOD 3112B/SW846 Method 7470 "Cold-Vapor Atomic Absorption Spectrometric Method"	CVAA	EDL=1.0 ug/L MDL=0.2 ug/L
	SMEWW METHOD 3500HG C "Dithizone Method"	Colorimeter	EDL = 2.0 ug/L
<u>ORGANOCHLORINE PESTICIDES/AROCLORS</u>			
Aroclor 1260 (PCB-1260) 11096825	CLP SOW METHOD LC-ORG "Chemical Analytical Services for the Analysis of Low Concentration Water Samples for Organic Compounds by Gas Chromatography-Mass Spectrometry (GC-MS) and Gas Chromatography-Electron Capture (GC-ECD) Techniques"	GC-ECD	CRQL = 0.20 ug/L
	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi- Media, Multi-Concentration"	GC-ECD	CRQL = 1.0 ug/L
	CLP SOW METHOD QTM "Chemical Analytical Services for Multi-Media, Multi-Concentration Samples for Organic Analysis by Quick Turnaround Gas Chromatography Techniques"	GC-ECD	CRQL = 1.0 ug/L
	EPA METHOD 608 "Organochlorine Pesticides and PCBs"	GC-ECD	NA
	EPA METHOD 625 "Base/Neutrals and Acids"	GC-MS	NA
	EPA DW METHOD 505 "Analysis of Organohalide Pesticides and Aroclors in Water by Microextraction and Chromatography"	GC-ECD	MDL = 0.189 ug/L
	EPA DW METHOD 508 "Determination of Chlorinated Pesticides in Water by Gas Chromatography with an Electron Capture Detector"	GC-ECD	NA

METHODS AND DETECTION/QUANTITATION LIMITS FOR SPECIFIED ANALYTES OF CONCERN TO RISK ASSESSMENT

AQUEOUS MATRICES

ANALYTE/ COMMON NAME CAS NUMBER	METHOD REFERENCE/TITLE OF METHOD	INSTRUMENT- ATION	QUANTITATION/ DETECTION LIMIT
Aroclor 1260 (PCB-1260) 11096825	SMEWW METHOD 6410B "Liquid-Liquid Extraction Gas Chromatographic-Mass Spectrometric Method"	GC-MS	NA
	SMEWW METHOD 6630B "Liquid-Liquid Extraction Gas Chromatographic Method I"	GC-MS	NA
	SMEWW METHOD 6630C "Liquid-Liquid Extraction Gas Chromatographic Method II"	GC-ECD	NA
Chlordane 57749	CLP SOW METHOD LC-ORG (CRQL is for alpha and gamma Chlordane) "Chemical Analytical Services for the Analysis of Low Concentration Water Samples for Organic Compounds by Gas Chromatography-Mass Spectrometry (GC-MS) and Gas Chromatography-Electron Capture (GC-ECD) Techniques"	GC-ECD	CRQL = 0.01 ug/L
	CLP SOW METHOD ORG "Statement of Work for Organics Analysis - Multi-Media, Multi-Concentration"	GC-ED	CRQL = 0.05 ug/L
	EPA METHOD 608/SW846 Method 8080 "Organochlorine Pesticides and PCBs"	GC-ECD	MDL = 0.014 ug/L
	EPA METHOD 625 "Base/Neutrals and Acids"	GC-MS	NA
	EPA DW METHOD 505 "Analysis of Organohalide Pesticides and Aroclors in Water by Microextraction and Chromatography"	GC-ECD	MDL = 0.14 ug/L
	EPA DW METHOD 508 "Determination of Chlorinated Pesticides in Water by Gas Chromatography with an Electron Capture Detector"	GC-ECD	NA
	SMEWW METHOD 6410B "Liquid-Liquid Extraction Gas Chromatographic-Mass Spectrometric Method"	GC-MS	NA
	SMEWW METHOD 6630B "Liquid-Liquid Extraction Gas Chromatographic Method I"	GC-MS	MDL = 0.014 ug/L