Chapter NR 149

APPENDIX I

Analytical Technologies, Analytes, Analyte Groups, Classes, and Methods Available for Accreditation

TABLE 1A
List of analytes and analyte groups in aqueous and non−aqueous matrices by class and technology

Analytes are available in both the aqueous and non−aqueous matrices unless identified by footnote.

Oxygen Demand Assays (BOD or cBOD) Technology

Class: General Chemistry

Biochemical Oxygen Demand (BOD)[1]	Carbonaceous Biochemical Oxygen Demand (cBOD)[1]

Colorimetric or Turbidimetric Technology

Class: General Chemistry

Alkalinity[1]	Fluoride	Phosphorus, Total
Ammonia as N	Hardness, Total as $CaCO_3$[1]	Silica[1]
Chemical Oxygen Demand (COD)[1]	Kjeldahl Nitrogen, Total	Sulfate
Chloride	Nitrate	Sulfide
Chlorine, Total Residual (TRC)[1]	Nitrate + Nitrite	Surfactants[1]
Chlorophyll[1]	Nitrite	Turbidity[1]
Cyanide, Available	Orthophosphate	
Cyanide, Total	Phenolics, Total	

Class: Metals

Chromium, Hexavalent

Electrometric Assays (i.e. ion−selective electrode) Technology

Class: General Chemistry

Ammonia as N	Fluoride	pH
Chloride	Kjeldahl Nitrogen, Total	Specific Conductance
Chlorine, Total Residual (TRC)[1]	Nitrate	Sulfide
Cyanide, Total	Oxygen, Dissolved[1]	

Gravimetric Assays – Residue (solids) Technology

Class: General Chemistry

Residue, Filterable (TDS)[1]	Residue, Total	Residue, Volatile, Nonfilterable (TVSS)[1]
Residue, Nonfilterable (TSS)[1]	Residue, Volatile (TVS)	

Extraction/Gravimetric Assays – Oil & Grease as Hexane Extractable Materials (HEM) Technology

Class: General Chemistry

Oil & Grease as Hexane Extractable Material (HEM)[1]

Titrimetric or Potentiometric Titration Assays Technology

Class: General Chemistry

Acidity as $CaCO_3$[1]	Chloride	Kjeldahl Nitrogen, Total
Alkalinity[1]	Chlorine, Total Residual (TRC)[1]	Sulfide
Ammonia as N	Cyanide, Available	Sulfides, Acid−soluble and Acid−insoluble
Bromide	Cyanide, Total	Sulfite[1]
Chemical Oxygen Demand (COD)	Hardness, Total as $CaCO_3$[1]	Calcium
Percent Water by Karl Fischer Titration[2]		

Flow Injection – Gas Diffusion – Amperometry Technology

Class: General Chemistry

Cyanide, Available[1]	Cyanide, Total[1]

Nondispersive Infrared (NDIR) or Microcoulometry Technology

Class: General Chemistry

Organic Halides (TOX and AOX)

	Organic Carbon, Total (TOC)		
Ion Chromatography (IC) Technology			
Class: General Chemistry			
	Ammonia as N	Fluoride	Nitrite
	Bromide	Nitrate	Orthophosphate
	Chloride	Nitrate + Nitrite	Sulfate
Flame Atomic Absorption Spectrophotometry (FLAA) Technology			
Class: General Chemistry			
	Hardness, Total as $CaCO_3$[1]		
Class: Metals			
	Aluminum	Iridium	Potassium
	Antimony	Iron	Rhodium
	Barium	Lead	Ruthenium
	Beryllium	Lithium	Silver
	Bismuth	Magnesium	Sodium
	Cadmium	Manganese	Strontium
	Calcium	Molybdenum	Thallium
	Chromium, Total	Nickel	Tin
	Cobalt	Osmium	Titanium
	Copper	Palladium	Vanadium
	Gold	Platinum	Zinc
Flame Photometry Spectrophotometry (FP) Technology			
Class: Metals			
	Calcium	Potassium	Sodium
	Magnesium		
Gaseous Hydride Atomic Absorption Spectrophotometry Technology			
Class: Metals			
	Antimony	Arsenic	Selenium
Graphite Furnace Atomic Absorption Spectrophotometry (GFAA) Technology			
Class: Metals			
	Aluminum	Gold	Platinum
	Antimony	Iridium	Rhodium
	Arsenic	Iron	Ruthenium
	Barium	Lead	Selenium
	Beryllium	Lithium	Silver
	Bismuth	Manganese	Thallium
	Cadmium	Molybdenum	Tin
	Chromium, Total	Nickel	Titanium
	Cobalt	Osmium	Vanadium
	Copper	Palladium	Zinc
Cold Vapor Atomic Absorption Spectrophotometry (CVAA) Technology			
Class: Metals			
	Mercury	Mercury, Low Level	
Cold Vapor Atomic Fluorescence Spectrophotometry (CVAFS) Technology			
Class: Metals			
	Mercury	Mercury, Low Level	
Thermal Decomposition Atomic Absorption Spectrophotometry (TDAA) Technology			
Class: Metals			
	Mercury	Mercury, Low Level	
Inductively Coupled Plasma Emission Spectrophotometry (ICP) Technology			
Class: General Chemistry			
	Hardness, Total as $CaCO_3$[1]	Phosphorus, Total[2]	Silica[1]
Class: Metals			
	Aluminum	Iridium	Ruthenium
	Antimony	Iron	Selenium

Arsenic	Lead	Silicon
Barium	Lithium	Silver
Beryllium	Magnesium	Sodium
Bismuth	Manganese	Strontium
Boron	Molybdenum	Thallium
Cadmium	Nickel	Tin
Calcium	Osmium	Titanium
Chromium, Total	Palladium	Tungsten
Cobalt	Platinum	Vanadium
Copper	Potassium	Zinc
Gold	Rhodium	Zirconium

Inductively Coupled Plasma − Mass Spectrometry (ICP/MS) Technology

Class: Metals

Aluminum	Iron	Selenium
Antimony	Lead	Silicon
Arsenic	Lithium	Silver
Barium	Magnesium	Sodium
Beryllium	Manganese	Strontium
Bismuth	Mercury	Thallium
Boron	Molybdenum	Tin
Cadmium	Nickel	Titanium
Calcium	Osmium	Tungsten
Chromium, Total	Palladium	Vanadium
Cobalt	Platinum	Zinc
Copper	Potassium	Zirconium
Gold	Rhodium	
Iridium	Ruthenium	

Gas Chromatography (GC) Technology

Class: BNA − Phenols

2,3,4,6−Tetrachlorophenol	3,4,5−Trichlorocatechol	4−Chloroguaiacol
2,3,5,6−Tetrachlorophenol	3,4,5−Trichloroguaiacol	4−Chlorophenol
2,4,5−Trichlorophenol	3,4,6−Trichlorocatechol	4−Methylphenol (p−Cresol)
2,4,6−Trichlorophenol	3,4,6−Trichloroguaiacol	4−Nitrophenol
2,4−Dichlorophenol	3,4−Dichlorocatechol	5,6−Dichlorovanillin
2,4−Dimethylphenol	3,4−Dichloroguaiacol	5−Chlorovanillin
2,4−Dinitrophenol	3,6−Dichlorocatechol	6−Chlorovanillin
2,6−Dichlorophenol	3−Methylphenol (m−Cresol)	Dinoseb (2−sec−butyl−4,6−Dinitrophenol)
2,6−Dichlorosyringaldehyde	4,5,6−Trichloroguaiacol	Pentachlorophenol
2−Chlorophenol	4,5−Dichlorocatechol	Phenol
2−Chlorosyringaldehyde	4,5−Dichloroguaiacol	Tetrachlorocatechol
2−Cyclohexyl−4,6−dinitro−phenol	4,6−Dichlorocatechol	Tetrachloroguaiacol
2−Methyl−4,6−dinitrophenol	4,6−Dichloroguaiacol	Trichlorosyringol
2−Methylphenol (o−Cresol)	4−Chloro−3−methylphenol (4−Chloro−m−cresol)	
2−Nitrophenol	4−Chlorocatechol	

Class: BNA − Benzidines

3,3'−Dichlorobenzidine	3,3'−Dimethylbenzidine
3,3'−Dimethoxybenzidine	Benzidine

Class: BNA − Chlorinated Hydrocarbons

1,2,4,5−Tetrachlorobenzene	1,4−Dichlorobenzene	Hexachlorocyclopentadiene
1,2,4−Trichlorobenzene	Benzyl chloride	Hexachloroethane
1,2−Dichlorobenzene	Hexachlorobenzene	Pentachlorobenzene
1,3−Dichlorobenzene	Hexachlorobutadiene	

Class: BNA − Explosive Residues

1,3,5−Trinitrobenzene	2,4−Dinitrotoluene	Nitrobenzene
1,3−Dinitrobenzene	2,6−Dinitrotoluene	

Class: BNA − Haloethers

4−Bromophenyl phenyl ether	Bis(2−chloroethoxy)methane	Bis(2−chloroisopropyl)ether

	4−Chlorophenyl phenyl ether	Bis(2−chloroethyl)ether	
Class: BNA − Nitroaromatics			
	1,2−Dinitrobenzene	1,4−Dinitrobenzene	Isophorone
	1,3−Dinitrobenzene	1,4−Naphthoquinone	Pentachloronitrobenzene (PCNB)
Class: BNA − Nitrosamines			
	N−Nitrosodiethylamine	N−Nitrosodi−n−propylamine	N−Nitrosomorpholine
	N−Nitrosodimethylamine	N−Nitrosodiphenylamine	N−Nitrosopiperidine
	N−Nitrosodi−n−butylamine	N−Nitrosomethylethylamine	N−Nitrosopyrrolidine
Class: BNA − Phthalates			
	Bis(2−ethylhexyl)phthalate	Diethyl phthalate	Di−n−butyl phthalate
	Butyl benzyl phthalate	Dimethyl phthalate	Di−n−octyl phthalate
Class: Pesticides − Acid			
	2,4,5−T	Chloramben	Dinoseb (2−sec−butyl−4,6−Dinitro-phenol)
	2,4−D	Chlorthal (Dacthal di−acid, DCPA di−acid)	MCPA
	2,4−DB	Clopyralid	MCPB
	2,4−DB salts and esters	Dalapon	MCPP (Mecoprop)
	3,5−Dichlorobenzoic acid	Dicamba	Pentachlorophenol
	4−Nitrophenol	Dichlorprop (2,4−DP)	Picloram
	5−Hydroxydicamba	Dichlorprop salts and esters	Silvex (2,4,5−TP)
	Acifluorfen	Diclofop	Triclopyr
Class: Pesticides − Organochlorine			
	## PESTICIDES, ORGANOCHLORINE (group)		
	4,4'−DDD	Chloroneb	Heptachlor
	4,4'−DDE	delta−BHC	Heptachlor epoxide
	4,4'−DDT	Dichlone	Isodrin
	Aldrin	Dieldrin	Kepone
	alpha−BHC	Endosulfan I	Methoxychlor
	beta−BHC (ß−BHC)	Endosulfan II	Mirex
	Captafol	Endosulfan sulfate	Pentachloronitrobenzene (PCNB)
	Captan	Endrin	Perthane
	Chlordane (alpha)	Endrin aldehyde	Strobane
	Chlordane (gamma)	Endrin ketone	Toxaphene
	Chlordane (Technical)	gamma−BHC (Lindane)	
Class: Pesticides − Nitrogen			
	Acetochlor	Chlorothalonil	Norflurazon
	Alachlor	Dimethenamid	Pendimethalin
	Aspon	Ethalfluralin	Pronamide
	Benfluralin	Fenarimol	Propachlor
	Bentazon	Hexazinone	Propanil
	Bromacil	Isopropalin	Terbacil
	Bromoxynil octanoate	Metolachlor	Triadimefon
	Butachlor	Metribuzin	Trifluralin
	Butylate	Napropamide	
Class: Pesticides − Organophosphorus			
	Acephate	Dioxathion	Parathion (Parathion ethyl)
	Azinphos ethyl	Disulfoton	Parathion methyl
	Azinphos methyl (Guthion)	EPN	Phorate
	Bolstar	Ethion	Phosalone
	Carbophenothion	Ethoprop	Phosmet (Imidan)
	Chlorfenvinphos	Famphur	Phosphamidon
	Chlorpyrifos	Fenitrothion	Ronnel
	Chlorpyrifos methyl	Fensulfothion	Sulfotepp (Tetraethyl dithiopy-rophosphate)
	Coumaphos	Fenthion	TEPP (Tetraethyl pyrophosphate)
	Crotoxyphos	Fonofos	Terbufos
	DEF (Butifos)	Hexamethylphosphoramide	Tetrachlorvinphos (Stirofos)

Demeton−O	Leptophos	Thionazin (O,O−Diethyl O−2−pyrazinyl phosphorothioate)
Demeton−S	Malathion	Tokuthion (Prothiofos)
Diazinon	Merphos	Trichloronate
Dichlofenthion	Methamidophos	Trichlorphon
Dichlorvos (DDVP)	Mevinphos	Tri−o−cresylphosphate (TOCP)
Dicrotophos	Monocrotophos	
Dimethoate	Naled	

Class: Pesticides – Triazine

Ametryn	Deethylatrazine	Propazine
Anilazine	Deisopropylatrazine	Simazine
Atraton	Diaminoatrazine	Terbutryn
Atrazine	Prometon	
Cyanazine	Prometryn	

Class: Pesticides – Other

1,2−Dibromo−3−chloropropane (DBCP)	Permethrin	Vapam

Class: Persistent Organic Pollutants

## PCB as AROCLORS (group)		
## PCB CONGENERS (group)		

Class: Volatile Organics

## VOLATILE ORGANICS [VOC] (group)		
1,1,1,2−Tetrachloroethane	Acetone	Isopropyl alcohol (2−Propanol)
1,1,1−Trichloroethane	Acetonitrile	Isopropylbenzene
1,1,2,2−Tetrachloroethane	Acrolein	Malononitrile
1,1,2−Trichloroethane	Acrylonitrile	Methacrylonitrile
1,1−Dichloroethane	Allyl alcohol	Methanol
1,1−Dichloroethylene	Allyl chloride	Methyl acrylate
1,1−Dichloropropene	Benzene	Methyl ethyl ketone (MEK, 2−Butanone)
1,2,3−Trichlorobenzene	Bromoacetone	Methyl methacrylate
1,2,3−Trichloropropane	Bromobenzene	Methyl tert−butyl ether (MtBE)
1,2,4−Trichlorobenzene	Bromochloromethane	Methylene chloride
1,2,4−Trimethylbenzene	Bromodichloromethane	m−Xylene
1,2−Dibromo−3−chloropropane (DBCP)	Bromoform	Naphthalene
1,2−Dibromoethane (EDB)	Bromomethane (Methyl bromide)	n−Butyl alcohol (1−Butanol)
1,2−Dichlorobenzene	Carbon disulfide	n−Butylbenzene
1,2−Dichloroethane	Carbon tetrachloride	n−Propylbenzene
1,2−Dichloroethene (cis)	Chlorobenzene	o−Xylene
1,2−Dichloroethene (trans)	Chloroethane	Paraldehyde
1,2−Dichloropropane	Chloroform	p−Isopropyltoluene
1,3,5−Trimethylbenzene	Chloromethane (Methyl chloride)	Propargyl alcohol
1,3−Dichloro−2−propanol	Chloromethyl methyl ether	Propionitrile (Ethyl cyanide)
1,3−Dichlorobenzene	Chloroprene	Propylene glycol
1,3−Dichloropropane	Crotonaldehyde	p−Xylene
1,3−Dichloropropylene (cis)	Dibromochloromethane	sec−Butylbenzene
1,3−Dichloropropylene (trans)	Dibromomethane (Methylene bromide)	ß−Propiolactone
1,3−Propanediol	Dichlorodifluoromethane	Styrene
1,4−Dichlorobenzene	Diethyl ether (Ethyl ether)	t−Butyl alcohol
1,4−Dioxane	Epichlorohydrin	tert−Butylbenzene
2,2−Dichloropropane	Ethanol	Tetrachloroethene
2,3−Dichloropropene	Ethyl acetate	Toluene
2−Chloroethanol	Ethyl methacrylate	Trichloroethene
2−Chloronaphthalene	Ethylbenzene	Trichlorofluoromethane
2−Chlorotoluene	Ethylene glycol	Vinyl acetate
2−Hexanone	Ethylene oxide	Vinyl chloride
2−Pentanone	Hexachlorobutadiene	Xylenes, Total
4−Chlorotoluene	Iodomethane (Methyl iodide)	

4−Methyl−2−pentanone (Methyl isobutyl ketone)	Isobutyl alcohol (2−Methyl−1−propanol)	

Class: Solvent Scans

Qualitative FID Fingerprint

Gas Chromatography − Mass Spectroscopy (GC/MS) Technology

Class: Base, Neutral, and Acid Extractable Semivolatile Compounds

SEMIVOLATILES [BNA] (group)

Class: BNA − Phenols

2,3,4,6−Tetrachlorophenol	3,4,5−Trichlorocatechol	4−Chloroguaiacol
2,3,5,6−Tetrachlorophenol	3,4,5−Trichloroguaiacol	4−Chlorophenol
2,4,5−Trichlorophenol	3,4,6−Trichlorocatechol	4−Methylphenol (p−Cresol)
2,4,6−Trichlorophenol	3,4,6−Trichloroguaiacol	4−Nitrophenol
2,4−Dichlorophenol	3,4−Dichlorocatechol	5,6−Dichlorovanillin
2,4−Dimethylphenol	3,4−Dichloroguaiacol	5−Chlorovanillin
2,4−Dinitrophenol	3,6−Dichlorocatechol	6−Chlorovanillin
2,6−Dichlorophenol	3−Methylphenol (m−Cresol)	Benzoic acid
2,6−Dichlorosyringaldehyde	4,5,6−Trichloroguaiacol	Dinoseb (2−sec−butyl−4,6−Dinitrophenol)
2−Chlorophenol	4,5−Dichlorocatechol	Pentachlorophenol
2−Chlorosyringaldehyde	4,5−Dichloroguaiacol	Phenol
2−Cyclohexyl−4,6−dinitro−phenol	4,6−Dichlorocatechol	Tetrachlorocatechol
2−Methyl−4,6−dinitrophenol	4,6−Dichloroguaiacol	Tetrachloroguaiacol
2−Methylphenol (o−Cresol)	4−Chloro−3−methylphenol (4−Chloro−m−cresol)	Trichlorosyringol
2−Nitrophenol	4−Chlorocatechol	

Class: BNA − Benzidines

3,3'−Dichlorobenzidine	3,3'−Dimethylbenzidine
3,3'−Dimethoxybenzidine	Benzidine

Class: BNA − Non−Halogenated Organics

1,4−Dioxane	Diethyl sulfate	p−Benzoquinone
1−Acetyl−2−thiourea	Diethylstilbestrol	p−Cresidine
2−Acetylaminofluorene	Dihydrosaffrole	Phenacetin
2−Aminoanthraquinone	Diphenylamine	Phenobarbital
2−Hydroxypropionitrile	Ethyl methanesulfonate	Phthalic anhydride
4−Chloroaniline	Fluchloralin	Piperonyl sulfoxide
4−Dimethylaminoazobenzene	Hydroquinone	Propylthiouracil
4−Nitroquinoline 1−oxide	Isosafrole	Pyridine
5,5−Diphenylhydantoin	Maleic anhydride	Resorcinol
Acetophenone	Mestranol	Safrole
Aminoazobenzene	Methapyrilene	TEPP (Tetraethyl pyrophosphate)
Aniline	Methyl methanesulfonate	Tetraethyl dithiopyrophosphate
Aramite	Nicotine	Thionazin (O,O−Diethyl O−2−pyrazinyl phosphorothioate)
Azobenzene	Nitrofen	Thiophenol (Benzenethiol)
Benzyl alcohol	O,O,O−Triethyl phosphorothioate	Toluene diisocyanate
Biphenyl	o−Anisidine	Trimethyl phosphate
Carbazole	Octamethyl pyrophosphoramide	Tri−p−tolyl phosphate
Dibenzofuran	o−Toluidine	Tris(2,3−dibromopropyl) phosphate

Class: BNA − Chlorinated Hydrocarbons

1,2,4,5−Tetrachlorobenzene	2−Chloronaphthalene	Hexachlorocyclopentadiene
1,2,4−Trichlorobenzene	3−(Chloromethyl)pyridine Hydrochloride	Hexachloroethane
1,2−Dichlorobenzene	Benzyl chloride	Hexachlorophene
1,3−Dichlorobenzene	Chlorobenzilate	Hexachloropropene
1,4−Dichlorobenzene	Hexachlorobenzene	Pentachlorobenzene
1−Chloronaphthalene	Hexachlorobutadiene	Pentachloroethane

Class: BNA − Explosives Residues

1,3,5−Trinitrobenzene	2−Methyl−3−nitroaniline[1]	3−Nitrotoluene[1]

1,3−Dinitrobenzene	2−Methyl−5−nitroaniline[1]	4−Methyl−2−nitroaniline[1]
2,3−Dinitrotoluene[1]	2−Methyl−6−nitroaniline[1]	4−Methyl−3−nitroaniline[1]
2,4−Dinitrotoluene	2−Nitrotoluene[1]	4−Nitrotoluene[1]
2,5−Dinitrotoluene[1]	3,4−Dinitrotoluene[1]	5−Methyl−2−nitroaniline[1]
2,6−Dinitrotoluene	3,5−Dinitrotoluene[1]	Nitrobenzene

Class: BNA − Haloethers

4−Bromophenyl phenyl ether	Bis(2−chloroethoxy)methane	Bis(2−chloroisopropyl)ether
4−Chlorophenyl phenyl ether	Bis(2−chloroethyl)ether	

Class: BNA − Nitroaromatics

1,2−Dinitrobenzene	2−Methyl−5−nitroaniline[1]	4−Chloro−1,3−phenylenediamine
1,3,5−Trinitrobenzene	2−Naphthylamine	4−Chloroaniline
1,3−Dinitrobenzene	2−Nitroaniline	4−Nitroaniline
1,4−Dinitrobenzene	2−Picoline (2−Methylpyridine)	4−Nitrobiphenyl
1,4−Naphthoquinone	3−Amino−9−ethylcarbazole	5−Chloro−2−methylaniline
1,4−Phenylenediamine	3−Nitroaniline	5−Nitroacenaphthene
1−Naphthylamine	4,4'−Methylenebis (2−chloroaniline)	5−Nitro−o−anisidine
2,4,5−Trimethylaniline	4,4'−Methylenebis (N,N−di-methylaniline)	5−Nitro−o−toluidine[1]
2,4−Diaminotoluene	4,4'−Oxydianiline	a,a−Dimethylphenethylamine
2,4−Dinitrotoluene	4−Aminobiphenyl	Isophorone
2,6−Dinitrotoluene	4−Chloro−1,2−phenylenediamine	Nitrobenzene

Class: BNA − Nitrosamines

N−Nitrosodiethylamine	N−Nitrosodi−n−propylamine	N−Nitrosomorpholine
N−Nitrosodimethylamine	N−Nitrosodiphenylamine	N−Nitrosopiperidine
N−Nitrosodi−n−butylamine	N−Nitrosomethylethylamine	N−Nitrosopyrrolidine

Class: BNA − Polynuclear Aromatic Hydrocarbons

## PAH (group)		
1−Methylnaphthalene	Benzo[a]pyrene	Fluoranthene
2−Methylnaphthalene	Benzo[b]fluoranthene	Fluorene
3−Methylcholanthrene	Benzo[g,h,i]perylene	Indeno(1,2,3−cd)pyrene
7,12−Dimethylbenz(a)−anthracene	Benzo[k]fluoranthene	Naphthalene
Acenaphthene	Chrysene	Phenanthrene
Acenaphthylene	Dibenz(a,j)acridine	Pyrene
Anthracene	Dibenzo[a,e]pyrene	
Benzo[a]anthracene	Dibenzo[a,h]anthracene	

Class: BNA − Phthalates

Bis(2−ethylhexyl)phthalate	Diethyl phthalate	Di−n−butyl phthalate
Butyl benzyl phthalate	Dimethyl phthalate	Di−n−octyl phthalate

Class: Pesticides − Acid

2,4,5−T	Clopyralid	MCPB
2,4−D	Dalapon	MCPP (Mecoprop)
2,4−DB	Dicamba	Pentachlorophenol
4−Nitrophenol	Dichlorprop (2,4−DP)	Picloram
Acifluorfen	Diclofop	Silvex (2,4,5−TP)
Bromoxynil (Brominal)	Dinoseb (2−sec−butyl−4,6−Dinitro-phenol)	Triclopyr
Chlorthal (Dacthal di−acid, DCPA di−acid)	MCPA	

Class: Pesticides − Organochlorine

## PESTICIDES, ORGANOCHLORINE (group)		
4,4'−DDD	Chlordane (Technical)	gamma−BHC (Lindane)
4,4'−DDE	delta−BHC	Heptachlor
4,4'−DDT	Dichlone	Heptachlor epoxide
Aldrin	Dieldrin	Isodrin
alpha−BHC	Endosulfan I	Kepone
beta−BHC (ß−BHC)	Endosulfan II	Methoxychlor
Captafol	Endosulfan sulfate	Mirex
Captan	Endrin	Pentachloronitrobenzene (PCNB)

Chlordane (alpha)	Endrin aldehyde	Toxaphene
Chlordane (gamma)	Endrin ketone	

Class: Pesticides – Nitrogen

Acetochlor	Chlorothalonil	Norflurazon
Alachlor	Dimethenamid	Pendimethalin
Aspon	Ethalfluralin	Pronamide
Benfluralin	Fenarimol	Propachlor
Bentazon	Hexazinone	Propanil
Bromacil	Isopropalin	Terbacil
Bromoxynil octanoate	Metolachlor	Triadimefon
Butachlor	Metribuzin	Trifluralin
Butylate	Napropamide	

Class: Pesticides – Organophosphorus

Acephate	Dioxathion	Parathion (Parathion ethyl)
Azinphos ethyl	Disulfoton	Parathion methyl
Azinphos methyl (Guthion)	EPN	Phorate
Bolstar	Ethion	Phosalone
Carbophenothion	Ethoprop	Phosmet (Imidan)
Chlorfenvinphos	Famphur	Phosphamidon
Chlorpyrifos	Fenitrothion	Ronnel
Chlorpyrifos methyl	Fensulfothion	Sulfotepp (Tetraethyl dithiopyrophosphate)
Coumaphos	Fenthion	TEPP (Tetraethyl pyrophosphate)
Crotoxyphos	Fonofos	Terbufos
DEF (Butifos)	Hexamethylphosphoramide	Tetrachlorvinphos (Stirofos)
Demeton−O	Leptophos	Thionazin (O,O−Diethyl O−2−pyrazinyl phosphorothioate)
Demeton−S	Malathion	Tokuthion (Prothiofos)
Diazinon	Merphos	Trichloronate
Dichlofenthion	Methamidophos	Trichlorphon
Dichlorvos (DDVP)	Mevinphos	Tri−o−cresylphosphate (TOCP)
Dicrotophos	Monocrotophos	
Dimethoate	Naled	

Class: Pesticides – Triazine

Ametryn	Deethylatrazine	Propazine
Anilazine	Deisopropylatrazine	Simazine
Atraton	Diaminoatrazine	Terbutryn
Atrazine	Prometon	
Cyanazine	Prometryn	

Class: Pesticides – Carbamate

Barban	Dazomet	Nabam
Busan 40	Diallate (cis or trans)	Nabonate
Busan 85	EPTC (Eptam)	Sulfallate (Thioallate)
Carbam−S	Ethyl Carbamate	Tebuthiuron
Carbaryl	KN Methyl	Triallate
Carbofuran	Mexacarbate	Ziram

Class: Pesticides – Other

Endothall	Strychnine	

Class: Persistent Organic Pollutants

## PCB as AROCLORS (group)		
## PCB CONGENERS (group)		

Class: Volatile Organics

## VOLATILE ORGANICS [VOC] (group)		
1,1,1,2−Tetrachloroethane	4−Chlorotoluene	Iodomethane (Methyl iodide)
1,1,1−Trichloroethane	4−Methyl−2−pentanone (Methyl isobutyl ketone)	Isobutyl alcohol (2−Methyl−1−propanol)
1,1,2,2−Tetrachloroethane	Acetone	Isopropyl alcohol (2−Propanol)
1,1,2−Trichloroethane	Acetonitrile	Isopropylbenzene

1,1−Dichloroethane	Acrolein	Malononitrile
1,1−Dichloroethylene	Acrylonitrile	Methacrylonitrile
1,1−Dichloropropene	Allyl alcohol	Methanol
1,2,3,4−Diepoxybutane	Allyl chloride	Methyl acrylate
1,2,3−Trichlorobenzene	Benzene	Methyl ethyl ketone (MEK, 2−Butanone)
1,2,3−Trichloropropane	Bis(2−chloroethyl)sulfide	Methyl methacrylate
1,2,4−Trichlorobenzene	Bromoacetone	Methyl tert−butyl ether (MtBE)
1,2,4−Trimethylbenzene	Bromobenzene	Methylene chloride
1,2−Dibromo−3−chloropropane (DBCP)	Bromochloromethane	m−Xylene
1,2−Dibromoethane (EDB)	Bromodichloromethane	Naphthalene
1,2−Dichlorobenzene	Bromoform	n−Butyl alcohol (1−Butanol)
1,2−Dichloroethane	Bromomethane (Methyl bromide)	n−Butylbenzene
1,2−Dichloroethene (cis)	Carbon disulfide	n−Propylamine
1,2−Dichloroethene (trans)	Carbon tetrachloride	n−Propylbenzene
1,2−Dichloropropane	Chlorobenzene	o−Toluidine
1,3,5−Trimethylbenzene	Chloroethane	o−Xylene
1,3−Dichloro−2−propanol	Chloroform	Paraldehyde
1,3−Dichlorobenzene	Chloromethane (Methyl chloride)	Pentachloroethane
1,3−Dichloropropane	Chloromethyl methyl ether	p−Isopropyltoluene
1,3−Dichloropropylene (cis)	Chloroprene	Propargyl alcohol
1,3−Dichloropropylene (trans)	Crotonaldehyde	Propionitrile (Ethyl cyanide)
1,3−Propanediol	Dibromochloromethane	p−Xylene
1,4−Dichloro−2−butene (trans)	Dibromomethane (Methylene bromide)	Pyridine
1,4−Dichlorobenzene	Dichlorodifluoromethane	sec−Butylbenzene
1,4−Dioxane	Dichlorofluoromethane	ß−Propiolactone
1−Chlorohexane	Diethyl ether (Ethyl ether)	Styrene
1−Propanol	Diisopropyl ether	t−Butyl alcohol
2,2−Dichloropropane	Epichlorohydrin	tert−Butylbenzene
2,3−Dichloropropene	Ethanol	Tetrachloroethene
2−Chloroethanol	Ethyl acetate	Tetrahydrofuran
2−Chloronaphthalene	Ethyl methacrylate	Toluene
2−Chlorotoluene	Ethylbenzene	Trichloroethene
2−Hexanone	Ethylene glycol	Trichlorofluoromethane
2−Nitropropane	Ethylene oxide	Vinyl acetate
2−Pentanone	Hexachlorobutadiene	Vinyl chloride
2−Picoline (2−Methylpyridine)	Hexachloroethane	Xylenes, Total
3−Chloropropionitrile	Hexane, n−	

Liquid Chromatography (LC) Technology

Class: Aldehydes & Ketones

Acetaldehyde	Formaldehyde	Octanal
Acetone	Heptanal	o−Tolualdehyde
Butanal	Hexanal	Pentanal (Valeraldehyde)
Crotonaldehyde	Isovaleraldehyde	Propanal (Propionaldehyde)
Cyclohexanone	m−Tolualdehyde	p−Tolualdehyde
Decanal	Nonanal	

Class: Pesticides – Acid

2,4,5−T	Acifluorfen	Diclofop
2,4,5−T, butoxyethanol ester	Bromoxynil (Brominal)	Dinoseb (2−sec−butyl−4,6−Dinitrophenol)
2,4,5−T, butyl ester	Chloramben	MCPA
2,4−D	Chlorthal (Dacthal di−acid, DCPA di−acid)	MCPB
2,4−D, butoxyethanol ester	Clopyralid	MCPP (Mecoprop)
2,4−D, ethylhexyl ester	Dalapon	Pentachlorophenol
2,4−DB	Dicamba	Picloram
2,4−DB salts and esters	Dichlorprop (2,4−DP)	Silvex (2,4,5−TP)
3,5−Dichlorobenzoic acid	Dichlorprop salts and esters	Triclopyr
4−Nitrophenol		

Class: Pesticides – BNA−Benzidines

3,3'−Dichlorobenzidine	Benzidine	

Class: BNA – Non−Halogenated Organics

Acrolein	Acrylamide	Acrylonitrile

Class: Pesticides – Carbamate

3−Hydroxycarbofuran	Diuron	Monuron
Aldicarb	Fenuron	Oxamyl (Vydate)
Aldicarb sulfone	Fluometuron	Promecarb
Aldicarb sulfoxide	Linuron	Propanil
Baygon (Propoxur)	m−Cumenyl methylcarbamate	Propham
Bendiocarb	Methiocarb	Siduron
Carbaryl	Methomyl	Tebuthiuron
Carbofuran	Metolcarb	Thiodicarb
Dioxacarb	Mexacarbate	Triallate

Class: BNA – Explosive Residues

1,3,5−Trinitrobenzene	2−Amino−4,6−dinitrotoluene	Nitroglycerin
1,3−Dinitrobenzene	2−Nitrotoluene	PETN (Pentaerythritol tetranitrate)
2,4,6−Trinitrobenzene	3−Nitrotoluene	Picric Acid (Trinitrophenol)
2,4,6−Trinitrotoluene	4−Amino−2,6−dinitrotoluene	RDX
2,4−Diamino−6−nitrotoluene	4−Nitrotoluene	Tetryl
2,4−Dinitrotoluene	HMX	
2,6−Dinitrotoluene	Nitrobenzene	

Class: Metals

Mercury	Organomercury

Class: Pesticides – Nitrogen

Bentazon	Bromoxynil (Brominal)	Secbumeton
Bromacil	Butylate	TCMTB

Class: Pesticides – Organophosphorus

Dichlorvos (DDVP)	Fensulfothion	Parathion methyl
Dimethoate	Merphos	Phorate
Disulfoton	Monocrotophos	Trichlorphon
Famphur	Naled	

Class: Polynuclear Aromatic Hydrocarbons

## PAH (group)		
1−Methylnaphthalene	Benzo[a]pyrene	Fluoranthene
2−Methylnaphthalene	Benzo[b]fluoranthene	Fluorene
Acenaphthene	Benzo[g,h,i]perylene	Indeno(1,2,3−cd)pyrene
Acenaphthylene	Benzo[k]fluoranthene	Naphthalene
Anthracene	Chrysene	Phenanthrene
Benzo[a]anthracene	Dibenzo[a,h]anthracene	

Class: Pesticides – Other

Pyrene	Glyphosate	Pyrethrin II
Diquat	Paraquat	
Fenvalerate	Pyrethrin I	

Class: BNA – Phenols

Dinoseb (2−sec−butyl−4,6−Dinitrophenol)

Liquid Chromatography – Mass Spectroscopy (LC/MS) Technology

Class: Pesticides – Acid

2,4,5−T	2,4−DB salts and esters	Dichlorprop salts and esters
2,4,5−T, butoxyethanol ester	3,5−Dichlorobenzoic acid	Dinoseb (2−sec−butyl−4,6−Dinitrophenol)
2,4,5−T, butyl ester	Acifluorfen	MCPA
2,4−D	Chloramben	MCPP (Mecoprop)
2,4−D, butoxyethanol ester	Dalapon	Picloram

	2,4−D, ethylhexyl ester	Dicamba	Silvex (2,4,5−TP)
	2,4−DB	Dichlorprop (2,4−DP)	
Class: BNA − Benzidines			
	3,3'−Dichlorobenzidine	3,3'−Dimethylbenzidine	Benzidine
	3,3'−Dimethoxybenzidine		
Class: Pesticides − Carbamate			
	3−Hydroxycarbofuran	Chloroxuron	Neburon
	Aldicarb	Diuron	o−Chlorophenyl thiourea
	Aldicarb sulfone	EPTC (Eptam)	Oxamyl (Vydate)
	Aldicarb sulfoxide	Fenuron	Pebulate
	Aminocarb	Fenuron−TCA	Propham
	Asulam	Fluometuron	Prosulfocarb
	Barban	Linuron	Siduron
	Baygon (Propoxur)	m−Cumenyl methylcarbamate	Tebuthiuron
	Bendiocarb	Methiocarb	Thiodicarb
	Benomyl	Methomyl	Thiofanox
	Carbaryl	Metolcarb	Thiophanate−methyl
	Carbendazim	Mexacarbate	Triallate
	Carbofuran	Molinate	Vernolate
	Carbosulfan	Monuron	
	Chloropropham	Monuron−TCA	
Class: Pesticides − Nitrogen			
	Alachlor−ESA (Alachlor ethane sulfonic acid)	Bromacil	Propachlor
	Benzoylprop ethyl	Butylate	
Class: Pesticides − Organophosphorus			
	Dichlorvos (DDVP)	Fensulfothion	Parathion methyl
	Dimethoate	Merphos	Phorate
	Disulfoton	Monocrotophos	Trichlorphon
	Famphur	Naled	Rotenone
High Resolution Gas Chromatography − Mass Spectrometry (HRGC/MS) Technology			
Class: Persistent Organic Pollutants			
	## DIOXINS & FURANS (group)		
	## PCB AROCLORS (group)		
	## PCB CONGENERS (group)		
Hazardous Waste Characteristics Technology			
Class: Hazardous Waste Characteristics			
	Corrosivity, Toward Steel[2]	Ignitability, Setaflash Closed Cup[2]	Ignitability, Small Scale Closed Cup[2]
	Corrosivity, Liquids[2]	Ignitability, Pensky−Martens Closed Cup[2]	Toxicity Characteristic Leaching Procedure (TCLP) Extraction[2, 3]
Solid Waste Leaching Procedures Technology			
Class: Leaching Procedures			
	SPLP Extraction[2,3]	Reagent Water Shake Extraction (ASTM Leach) [2,3]	EPTOX Extraction[2,3]
Whole Effluent Toxicity Assays			
Class: Toxicity, Acute			
	Ceriodaphnia dubia[1]	Pimephales promelas[1]	
Class: Toxicity, Chronic			
	Ceriodaphnia dubia[1]	Pimephales promelas[1]	Selenastrum capricornutum[1]

1 = accreditation available in the aqueous matrix only
2 = accreditation available in the non−aqueous matrix only
3 = Leaching extractions require that laboratories also maintain accreditation for any analyte to be determined in the resulting leachate.

TABLE 1B
List of analytes and analyte groups in the drinking water matrix by class and method

Analyte (group) – Method
Class: Disinfection By−products
HALOACETIC ACIDS (5) – EPA 552.1
HALOACETIC ACIDS (5) – EPA 552.2
HALOACETIC ACIDS (5) – EPA 552.3
HALOACETIC ACIDS (5) – EPA 557
HALOACETIC ACIDS (5) – SM 6251B
THM (group) – EPA 502.2
THM (group) – EPA 524.2
THM (group) – EPA 524.3
THM (group) – EPA 551.1
Bromate – ASTM D 6581
Bromate – EPA 300.1
Bromate – EPA 302.0
Bromate – EPA 317.0, Rev. 2.0
Bromate – EPA 321.8
Bromate – EPA 326.0
Bromate – EPA 557
Bromide – ASTM D 6581
Bromide – EPA 300.0
Bromide – EPA 300.1
Bromide – EPA 326.0
Bromide – EPA 327.0, Rev. 1.1
Bromodichloromethane – EPA 502.2
Bromodichloromethane – EPA 524.2
Bromodichloromethane – EPA 524.3
Bromodichloromethane – EPA 551.1
Bromoform – EPA 502.2
Bromoform – EPA 524.2
Bromoform – EPA 524.3
Bromoform – EPA 551.1
Chlorate – EPA 300.1
Chlorine Dioxide – EPA 327.0, Rev.1
Chlorine Dioxide – SM 4500−ClO2 C
Chlorine Dioxide – SM 4500−ClO2 D
Chlorine Dioxide – SM 4500−ClO2 E
Chlorite – ASTM D 6581
Chlorite – EPA 300.0
Chlorite – EPA 300.1
Chlorite – EPA 317.0, Rev. 2.0
Chlorite – EPA 326.0
Chlorite – EPA 327.0, Rev. 1.1
Chlorite – SM 4500−ClO2 E
Chloroform – EPA 502.2
Chloroform – EPA 524.2
Chloroform – EPA 524.3
Chloroform – EPA 551.1
Dibromochloromethane – EPA 502.2
Dibromochloromethane – EPA 524.2
Dibromochloromethane – EPA 524.3
Dibromochloromethane – EPA 551.1
Ozone – SM 4500−O3 B
Class: Primary Inorganics Contaminants; Non−metals
Cyanide – ALPKEM OIA−77
Cyanide – ASTM D2036 (A)
Cyanide – ASTM D2036 (B)
Cyanide – ASTM D6888
Cyanide – EPA 335.4
Cyanide – Kelada 01
Cyanide – ME355.01
Cyanide – QuikChem 10−204−00−1−X
Cyanide – SM 4500−CN− C,E

Cyanide – SM 4500–CN– C,F
Cyanide – USGS I–3300–85
Cyanide, Amenable – SM 4500–CN– C,G
Fluoride – ASTM D1179 (B)
Fluoride – ASTM D4327
Fluoride – ASTM D6508, Rev. 2
Fluoride – EPA 300.0
Fluoride – EPA 300.1
Fluoride – HACH Method 10225
Fluoride – SM 4110B
Fluoride – SM 4500–F– B, D
Fluoride – SM 4500–F– C
Fluoride – SM 4500–F– E
Fluoride – Technicon 129–71W
Fluoride – Technicon 380–75WE
Nitrate – ASTM D3867 (A)
Nitrate – ASTM D3867 (B)
Nitrate – ASTM D4327
Nitrate – ASTM D6508, Rev. 2
Nitrate – EPA 300.0
Nitrate – EPA 300.1
Nitrate – EPA 353.2
Nitrate – Hach Method 10206
Nitrate – Orion 601
Nitrate – SM 4110B
Nitrate – SM 4500–NO3– D
Nitrate – SM 4500–NO3– E
Nitrate – SM 4500–NO3– F
Nitrate – Systea Easy
Nitrate – Waters B–1011
Nitrate + Nitrite – ASTM D3867 (A)
Nitrate + Nitrite – ASTM D3867 (B)
Nitrate + Nitrite – ASTM D4327
Nitrate + Nitrite – ASTM D6508, Rev. 2
Nitrate + Nitrite – EPA 300.0
Nitrate + Nitrite – EPA 300.1
Nitrate + Nitrite – EPA 353.2
Nitrate + Nitrite – SM 4110B
Nitrate + Nitrite – SM 4500–NO3– E
Nitrate + Nitrite – SM 4500–NO3– F
Nitrate + Nitrite – Waters B–1011
Nitrite – ASTM D3867 (A)
Nitrite – ASTM D3867 (B)
Nitrite – ASTM D4327
Nitrite – ASTM D6508, Rev. 2
Nitrite – EPA 300.0
Nitrite – EPA 300.1
Nitrite – EPA 353.2
Nitrite – SM 4110B
Nitrite – SM 4500–NO2– B
Nitrite – SM 4500–NO3– E
Nitrite – SM 4500–NO3– F
Nitrite – Systea Easy
Nitrite – Waters B–1011
Class: Primary Inorganics Contaminants; Metals
Antimony – ASTM D3697
Antimony – EPA 200.5 Axial ICP
Antimony – EPA 200.8
Antimony – EPA 200.9
Antimony – SM 3113B
Arsenic – ASTM D2972 (B)
Arsenic – ASTM D2972 (C)
Arsenic – EPA 200.5 Axial ICP
Arsenic – EPA 200.8
Arsenic – EPA 200.9
Arsenic – SM 3113B
Arsenic – SM 3114B

Barium – EPA 200.5 Axial ICP
Barium – EPA 200.7
Barium – EPA 200.8
Barium – SM 3111D
Barium – SM 3113B
Barium – SM 3120B
Beryllium – ASTM D3645 (B)
Beryllium – EPA 200.5 Axial ICP
Beryllium – EPA 200.7
Beryllium – EPA 200.8
Beryllium – EPA 200.9
Beryllium – SM 3113B
Beryllium – SM 3120B
Cadmium – EPA 200.5 Axial ICP
Cadmium – EPA 200.7
Cadmium – EPA 200.8
Cadmium – EPA 200.9
Cadmium – SM 3113B
Chromium – EPA 200.5 Axial ICP
Chromium – EPA 200.7
Chromium – EPA 200.8
Chromium – EPA 200.9
Chromium – SM 3113B
Chromium – SM 3120B
Copper – ASTM D1688 (A)
Copper – ASTM D1688 (C)
Copper – EPA 200.5 Axial ICP
Copper – EPA 200.7
Copper – EPA 200.8
Copper – EPA 200.9
Copper – SM 3111B
Copper – SM 3113B
Copper – SM 3120B
Lead – ASTM D3559 (D)
Lead – EPA 200.5 Axial ICP
Lead – EPA 200.8
Lead – EPA 200.9
Lead – Palintest 1001
Lead – SM 3113B
Mercury – ASTM D3223
Mercury – EPA 200.8
Mercury – EPA 245.1
Mercury – EPA 245.2
Mercury – SM 3112B
Nickel – EPA 200.5 Axial ICP
Nickel – EPA 200.7
Nickel – EPA 200.8
Nickel – EPA 200.9
Nickel – SM 3111B
Nickel – SM 3113B
Nickel – SM 3120B
Selenium – ASTM D3859 (A)
Selenium – ASTM D3859 (B)
Selenium – EPA 200.5 Axial ICP
Selenium – EPA 200.8
Selenium – EPA 200.9
Selenium – SM 3113B
Selenium – SM 3114B
Thallium – EPA 200.8
Thallium – EPA 200.9
Class: Secondary Inorganics Contaminants; Non–metals
Alkalinity – ASTM D1067 (B)
Alkalinity – SM 2320B
Alkalinity – USGS I–1030–85
Chloride – ASTM D4327
Chloride – ASTM D512 (B)

Chloride – ASTM D6508, Rev. 2
Chloride – EPA 300.0
Chloride – EPA 300.1
Chloride – SM 4110B
Chloride – SM 4500−Cl− B
Chloride – SM 4500−Cl− D
Chlorine, Combined – ASTM D1253
Chlorine, Combined – SM 4500−Cl D
Chlorine, Combined – SM 4500−Cl F
Chlorine, Combined – SM 4500−Cl G
Chlorine, Free – ASTM D1253
Chlorine, Free – Chlorosense
Chlorine, Free – EPA 334.0
Chlorine, Free – SM 4500−Cl D
Chlorine, Free – SM 4500−Cl F
Chlorine, Free – SM 4500−Cl G
Chlorine, Free – SM 4500−Cl H
Chlorine, Total – ASTM D1253
Chlorine, Total – Chlorosense
Chlorine, Total – EPA 334.0
Chlorine, Total – SM 4500−Cl D
Chlorine, Total – SM 4500−Cl E
Chlorine, Total – SM 4500−Cl F
Chlorine, Total – SM 4500−Cl G
Chlorine, Total – SM 4500−Cl I
Conductivity – ASTM D1125 (A)
Conductivity – SM 2510B
Dissolved Organic Carbon (DOC) – EPA 415.3
Dissolved Organic Carbon (DOC) – SM 5310B
Dissolved Organic Carbon (DOC) – SM 5310C
Dissolved Organic Carbon (DOC) – SM 5310D
Foaming agents (MBAS) – SM 5540C
Orthophosphate – ASTM D4327
Orthophosphate – ASTM D515 (A)
Orthophosphate – ASTM D6508, Rev. 2
Orthophosphate – EPA 300.0
Orthophosphate – EPA 300.1
Orthophosphate – EPA 365.1
Orthophosphate – SM 4110B
Orthophosphate – SM 4500−P E
Orthophosphate – SM 4500−P F
Orthophosphate – USGS I−1601−85
Orthophosphate – USGS I−2598−85
Orthophosphate – USGS I−2601−90
pH – ASTM D1293
pH – EPA 150.1
pH – EPA 150.2
pH – SM 4500−H+ B
Sulfate – ASTM D4327
Sulfate – ASTM D516
Sulfate – ASTM D6508, Rev. 2
Sulfate – EPA 300.0
Sulfate – EPA 300.1
Sulfate – EPA 375.2
Sulfate – SM 4110B
Sulfate – SM 4500−SO42− C, D
Sulfate – SM 4500−SO42− E
Sulfate – SM 4500−SO42− F
SUVA (calc.) – EPA 415.3
TDS (Total Dissolved Solids) – SM 2540C
Total Organic Carbon (TOC) – EPA 415.3
Total Organic Carbon (TOC) – SM 5310B
Total Organic Carbon (TOC) – SM 5310C
Total Organic Carbon (TOC) – SM 5310D
Turbidity – AMI Turbiwell

Turbidity – EPA 180.1
Turbidity – GLI Method 2
Turbidity – HACH FilterTrak 10133
Turbidity – Mitchell M5271
Turbidity – Mitchell M5331
Turbidity – Orion AQ4500
Turbidity – SM 2130B

UV254 – EPA 415.3
UV254 – SM 5910B

Class: Secondary Inorganics Contaminants; Metals

Aluminum – EPA 200.5 Axial ICP
Aluminum – EPA 200.7
Aluminum – EPA 200.8
Aluminum – EPA 200.9
Aluminum – SM 3111D
Aluminum – SM 3113B
Aluminum – SM 3120B

Calcium – ASTM D511 (A)
Calcium – ASTM D511 (B)
Calcium – ASTM D6919
Calcium – EPA 200.5 Axial ICP
Calcium – EPA 200.7
Calcium – SM 3111B
Calcium – SM 3120B
Calcium – SM 3500–Ca B
Calcium – SM 3500–Ca D

Iron – EPA 200.5 Axial ICP
Iron – EPA 200.7
Iron – EPA 200.9
Iron – SM 3111B
Iron – SM 3113B
Iron – SM 3120B

Magnesium – ASTM D511 (A)
Magnesium – ASTM D511 (B)
Magnesium – ASTM D6919
Magnesium – EPA 200.5 Axial ICP
Magnesium – EPA 200.7
Magnesium – SM 3111B
Magnesium – SM 3120B
Magnesium – SM 3500–Mg B

Manganese – EPA 200.5 Axial ICP
Manganese – EPA 200.7
Manganese – EPA 200.8
Manganese – EPA 200.9
Manganese – SM 3111B
Manganese – SM 3113B
Manganese – SM 3120B

Silica – ASTM D859
Silica – EPA 200.5 Axial ICP
Silica – EPA 200.7
Silica – SM 3120B
Silica – SM 4500–Si D
Silica – SM 4500–Si E
Silica – SM 4500–Si F
Silica – SM 4500–SiO2 C
Silica – SM 4500–SiO2 D
Silica – SM 4500–SiO2 E
Silica – USGS I–1700–85
Silica – USGS I–2700–85

Silver – EPA 200.5 Axial ICP
Silver – EPA 200.7
Silver – EPA 200.8
Silver – EPA 200.9
Silver – SM 3111B
Silver – SM 3113B

Silver – SM 3120B
Silver – USGS I–3720–85
Sodium – ASTM D6919
Sodium – EPA 200.5 Axial ICP
Sodium – EPA 200.7
Sodium – SM 3111B
Zinc – EPA 200.5 Axial ICP
Zinc – EPA 200.7
Zinc – EPA 200.8
Zinc – SM 3111B
Zinc – SM 3120B
Class: Synthetic Organic Contaminants (SOC) – Dioxin
2,3,7,8–TCDD (Dioxin) – EPA 1613
Class: Synthetic Organic Contaminants (SOC) – Organochlorine Pesticides
Aldrin – EPA 505
Aldrin – EPA 508
Aldrin – EPA 508.1
Aldrin – EPA 525.2
Chlordane – EPA 505
Chlordane – EPA 508
Chlordane – EPA 508.1
Chlordane – EPA 525.2
Chlordane – EPA 525.3
Dieldrin – EPA 505
Dieldrin – EPA 508
Dieldrin – EPA 508.1
Dieldrin – EPA 525.2
Endrin – EPA 505
Endrin – EPA 508
Endrin – EPA 508.1
Endrin – EPA 525.2
Endrin – EPA 525.3
Endrin – EPA 551.1
Heptachlor – EPA 505
Heptachlor – EPA 508
Heptachlor – EPA 508.1
Heptachlor – EPA 525.2
Heptachlor – EPA 525.3
Heptachlor – EPA 551.1
Heptachlor epoxide – EPA 505
Heptachlor epoxide – EPA 508
Heptachlor epoxide – EPA 508.1
Heptachlor epoxide – EPA 525.2
Heptachlor epoxide – EPA 525.3
Heptachlor epoxide – EPA 551.1
Lindane (gamma–BHC) – EPA 505
Lindane (gamma–BHC) – EPA 508
Lindane (gamma–BHC) – EPA 508.1
Lindane (gamma–BHC) – EPA 525.2
Lindane (gamma–BHC) – EPA 525.3
Lindane (gamma–BHC) – EPA 551.1
Methoxychlor – EPA 505
Methoxychlor – EPA 508
Methoxychlor – EPA 508.1
Methoxychlor – EPA 525.2
Methoxychlor – EPA 525.3
Methoxychlor – EPA 551.1
Toxaphene – EPA 505
Toxaphene – EPA 508
Toxaphene – EPA 508.1
Toxaphene – EPA 525.2
Toxaphene – EPA 525.3
Class: Synthetic Organic Contaminants (SOC) – Nitrogen–phosphorus Pesticides
Alachlor – EPA 505
Alachlor – EPA 507

Alachlor – EPA 508.1
Alachlor – EPA 525.2
Alachlor – EPA 525.3
Alachlor – EPA 551.1
Atrazine – EPA 505
Atrazine – EPA 507
Atrazine – EPA 508.1
Atrazine – EPA 523
Atrazine – EPA 525.2
Atrazine – EPA 525.3
Atrazine – EPA 536
Atrazine – EPA 551.1
Atrazine – Syngenta AG–625
Butachlor – EPA 507
Butachlor – EPA 508.1
Butachlor – EPA 525.2
Metolachlor – EPA 507
Metolachlor – EPA 508.1
Metolachlor – EPA 525.2
Metolachlor – EPA 551.1
Metribuzin – EPA 507
Metribuzin – EPA 508.1
Metribuzin – EPA 525.2
Metribuzin – EPA 551.1
Propachlor – EPA 507
Propachlor – EPA 508.1
Propachlor – EPA 525.2
Simazine – EPA 505
Simazine – EPA 507
Simazine – EPA 508.1
Simazine – EPA 523
Simazine – EPA 525.2
Simazine – EPA 525.3
Simazine – EPA 536
Simazine – EPA 551.1
Class: Synthetic Organic Contaminants (SOC) – Herbicides
2,4–D – ASTM D5317
2,4–D – EPA 515.1
2,4–D – EPA 515.2
2,4–D – EPA 515.3
2,4–D – EPA 515.4
2,4–D – EPA 555
2,4–D – SM 6640B
Dalapon – EPA 515.1
Dalapon – EPA 515.3
Dalapon – EPA 515.4
Dalapon – EPA 552.1
Dalapon – EPA 552.2
Dalapon – EPA 552.3
Dalapon – EPA 557
Dalapon – SM 6640B
Dicamba – EPA 515.1
Dicamba – EPA 515.2
Dicamba – EPA 515.3
Dicamba – EPA 515.4
Dicamba – EPA 555
Dinoseb – EPA 515.1
Dinoseb – EPA 515.2
Dinoseb – EPA 515.3
Dinoseb – EPA 515.4
Dinoseb – EPA 555
Dinoseb – SM 6640B
Pentachlorophenol – ASTM D5317
Pentachlorophenol – EPA 515.1
Pentachlorophenol – EPA 515.2

Pentachlorophenol – EPA 515.3
Pentachlorophenol – EPA 515.4
Pentachlorophenol – EPA 525.2
Pentachlorophenol – EPA 525.3
Pentachlorophenol – EPA 555
Pentachlorophenol – SM 6640B
Picloram – ASTM D5317
Picloram – EPA 515.1
Picloram – EPA 515.2
Picloram – EPA 515.3
Picloram – EPA 515.4
Picloram – EPA 555
Picloram – SM 6640B
Silvex (2,4,5−TP) – ASTM D5317
Silvex (2,4,5−TP) – EPA 515.1
Silvex (2,4,5−TP) – EPA 515.2
Silvex (2,4,5−TP) – EPA 515.3
Silvex (2,4,5−TP) – EPA 515.4
Silvex (2,4,5−TP) – EPA 555
Silvex (2,4,5−TP) – SM 6640B
Class: Synthetic Organic Contaminants (SOC) – Miscellaneous
3−Hydroxycarbofuran – EPA 531.1
3−Hydroxycarbofuran – EPA 531.2
3−Hydroxycarbofuran – SM 6610B
Aldicarb – EPA 531.1
Aldicarb – EPA 531.2
Aldicarb – SM 6610B
Aldicarb sulfone – EPA 531.1
Aldicarb sulfone – EPA 531.2
Aldicarb sulfone – SM 6610B
Aldicarb sulfoxide – EPA 531.1
Aldicarb sulfoxide – EPA 531.2
Aldicarb sulfoxide – SM 6610B
Benzo[a]pyrene – EPA 525.2
Benzo[a]pyrene – EPA 525.3
Benzo[a]pyrene – EPA 550
Benzo[a]pyrene – EPA 550.1
Carbaryl – EPA 531.1
Carbaryl – EPA 531.2
Carbaryl – SM 6610B
Carbofuran – EPA 531.1
Carbofuran – EPA 531.2
Carbofuran – SM 6610B
Di(2−ethylhexyl)adipate – EPA 506
Di(2−ethylhexyl)adipate – EPA 525.2
Di(2−ethylhexyl)adipate – EPA 525.3
Di(2−ethylhexyl)phthalate – EPA 506
Di(2−ethylhexyl)phthalate – EPA 525.2
Di(2−ethylhexyl)phthalate – EPA 525.3
Dibromochloropropane (DBCP) – EPA 504.1
Dibromochloropropane (DBCP) – EPA 524.3
Dibromochloropropane (DBCP) – EPA 551.1
Diquat – EPA 549.2
Endothall – EPA 548.1
Ethylene dibromide (EDB) – EPA 504.1
Ethylene dibromide (EDB) – EPA 524.3
Ethylene dibromide (EDB) – EPA 551.1
Glyphosate – EPA 547
Glyphosate – SM 6651B
Hexachlorobenzene – EPA 505
Hexachlorobenzene – EPA 508
Hexachlorobenzene – EPA 508.1
Hexachlorobenzene – EPA 525.2

Hexachlorobenzene – EPA 525.3
Hexachlorobenzene – EPA 551.1

Hexachlorocyclopentadiene – EPA 505
Hexachlorocyclopentadiene – EPA 508
Hexachlorocyclopentadiene – EPA 508.1
Hexachlorocyclopentadiene – EPA 525.2
Hexachlorocyclopentadiene – EPA 525.3
Hexachlorocyclopentadiene – EPA 551.1

Methomyl – EPA 531.1
Methomyl – EPA 531.2
Methomyl – SM 6610B

Oxamyl (Vydate) – EPA 531.1
Oxamyl (Vydate) – EPA 531.2
Oxamyl (Vydate) – SM 6610B

PCBs (as Aroclors) Screening – EPA 505
PCBs (as Aroclors) Screening – EPA 508
PCBs (as Aroclors) Screening – EPA 508.1
PCBs (as Aroclors) Screening – EPA 525.2
PCBs (as Aroclors) Screening – EPA 525.3

PCBs (as Decachlorobiphenyl) – EPA 508A

Class: Volatile Organic Compounds (VOCs)

VOCS, REGULATED (group) – EPA 502.2
VOCS, REGULATED (group) – EPA 524.2
VOCS, REGULATED (group) – EPA 524.3
VOCS, UNREGULATED (group) – EPA 502.2
VOCS, UNREGULATED (group) – EPA 524.2
VOCS, UNREGULATED (group) – EPA 524.3

Regulated VOCs

® 1,1,1–Trichloroethane – EPA 502.2
® 1,1,1–Trichloroethane – EPA 524.2
® 1,1,1–Trichloroethane – EPA 524.3
® 1,1,1–Trichloroethane – EPA 551.1
® 1,1,2–Trichloroethane – EPA 502.2
® 1,1,2–Trichloroethane – EPA 524.2
® 1,1,2–Trichloroethane – EPA 524.3
® 1,1,2–Trichloroethane – EPA 551.1
® 1,1–Dichloroethylene – EPA 502.2
® 1,1–Dichloroethylene – EPA 524.2
® 1,1–Dichloroethylene – EPA 524.3
® 1,2,4–Trichlorobenzene – EPA 502.2
® 1,2,4–Trichlorobenzene – EPA 524.2
® 1,2,4–Trichlorobenzene – EPA 524.3
® 1,2–Dichlorobenzene – EPA 502.2
® 1,2–Dichlorobenzene – EPA 524.2
® 1,2–Dichlorobenzene – EPA 524.3
® 1,2–Dichloroethane – EPA 502.2
® 1,2–Dichloroethane – EPA 524.2
® 1,2–Dichloroethane – EPA 524.3
® 1,2–Dichloroethylene (cis–) – EPA 502.2
® 1,2–Dichloroethylene (cis–) – EPA 524.2
® 1,2–Dichloroethylene (cis–) – EPA 524.3
® 1,2–Dichloroethylene (trans–) – EPA 502.2
® 1,2–Dichloroethylene (trans–) – EPA 524.2
® 1,2–Dichloroethylene (trans–) – EPA 524.3
® 1,2–Dichloropropane – EPA 502.2
® 1,2–Dichloropropane – EPA 524.2
® 1,2–Dichloropropane – EPA 524.3
® 1,4–Dichlorobenzene – EPA 502.2
® 1,4–Dichlorobenzene – EPA 524.2
® 1,4–Dichlorobenzene – EPA 524.3
® Benzene – EPA 502.2
® Benzene – EPA 524.2
® Benzene – EPA 524.3
® Carbon tetrachloride – EPA 502.2
® Carbon tetrachloride – EPA 524.2

® Carbon tetrachloride – EPA 524.3
® Carbon tetrachloride – EPA 551.1
® Chlorobenzene – EPA 502.2
® Chlorobenzene – EPA 524.2
® Chlorobenzene – EPA 524.3
® Dichloromethane – EPA 502.2
® Dichloromethane – EPA 524.2
® Dichloromethane – EPA 524.3
® Ethylbenzene – EPA 502.2
® Ethylbenzene – EPA 524.2
® Ethylbenzene – EPA 524.3
® Styrene – EPA 502.2
® Styrene – EPA 524.2
® Styrene – EPA 524.3
® Tetrachloroethylene – EPA 502.2
® Tetrachloroethylene – EPA 524.2
® Tetrachloroethylene – EPA 524.3
® Tetrachloroethylene – EPA 551.1
® Toluene – EPA 502.2
® Toluene – EPA 524.2
® Toluene – EPA 524.3
® Trichloroethylene – EPA 502.2
® Trichloroethylene – EPA 524.2
® Trichloroethylene – EPA 524.3
® Trichloroethylene – EPA 551.1
® Vinyl chloride – EPA 502.2
® Vinyl chloride – EPA 524.2
® Vinyl chloride – EPA 524.3
® Xylenes (Total) – EPA 502.2
® Xylenes (Total) – EPA 524.2
® Xylenes (Total) – EPA 524.3

Unregulated VOCs

1,1,1,2−Tetrachloroethane – EPA 502.2
1,1,1,2−Tetrachloroethane – EPA 524.2
1,1,1,2−Tetrachloroethane – EPA 524.3
1,1,2,2−Tetrachloroethane – EPA 502.2
1,1,2,2−Tetrachloroethane – EPA 524.2
1,1,2,2−Tetrachloroethane – EPA 524.3
1,1−Dichloroethane – EPA 502.2
1,1−Dichloroethane – EPA 524.2
1,1−Dichloroethane – EPA 524.3
1,1−Dichloropropene – EPA 502.2
1,1−Dichloropropene – EPA 524.2
1,1−Dichloropropene – EPA 524.3
1,2,3−Trichlorobenzene – EPA 502.2
1,2,3−Trichlorobenzene – EPA 524.2
1,2,3−Trichlorobenzene – EPA 524.3
1,2,3−Trichloropropane – EPA 502.2
1,2,3−Trichloropropane – EPA 524.2
1,2,3−Trichloropropane – EPA 524.3
1,2,4−Trimethylbenzene – EPA 502.2
1,2,4−Trimethylbenzene – EPA 524.2
1,2,4−Trimethylbenzene – EPA 524.3
1,3,5−Trimethylbenzene – EPA 502.2
1,3,5−Trimethylbenzene – EPA 524.2
1,3,5−Trimethylbenzene – EPA 524.3
1,3−Dichlorobenzene – EPA 502.2
1,3−Dichlorobenzene – EPA 524.2
1,3−Dichlorobenzene – EPA 524.3
1,3−Dichloropropane – EPA 502.2
1,3−Dichloropropane – EPA 524.2
1,3−Dichloropropane – EPA 524.3
1,3−Dichloropropylene (cis) – EPA 502.2
1,3−Dichloropropylene (cis) – EPA 524.2
1,3−Dichloropropylene (cis) – EPA 524.3

1,3−Dichloropropylene (trans) − EPA 502.2
1,3−Dichloropropylene (trans) − EPA 524.2
1,3−Dichloropropylene (trans) − EPA 524.3
2,2−Dichloropropane − EPA 502.2
2,2−Dichloropropane − EPA 524.2
2,2−Dichloropropane − EPA 524.3
2−Chlorotoluene − EPA 502.2
2−Chlorotoluene − EPA 524.2
2−Chlorotoluene − EPA 524.3
4−Chlorotoluene − EPA 502.2
4−Chlorotoluene − EPA 524.2
4−Chlorotoluene − EPA 524.3
4−Isopropyltoluene − EPA 502.2
4−Isopropyltoluene − EPA 524.2
4−Isopropyltoluene − EPA 524.3
Bromobenzene − EPA 502.2
Bromobenzene − EPA 524.2
Bromobenzene − EPA 524.3
Bromochloromethane − EPA 502.2
Bromochloromethane − EPA 524.2
Bromochloromethane − EPA 524.3
Bromomethane − EPA 502.2
Bromomethane − EPA 524.2
Bromomethane − EPA 524.3
Chloroethane − EPA 502.2
Chloroethane − EPA 524.2
Chloroethane − EPA 524.3
Chloromethane − EPA 502.2
Chloromethane − EPA 524.2
Chloromethane − EPA 524.3
Dibromomethane − EPA 502.2
Dibromomethane − EPA 524.2
Dibromomethane − EPA 524.3
Dichlorodifluoromethane − EPA 502.2
Dichlorodifluoromethane − EPA 524.2
Dichlorodifluoromethane − EPA 524.3
Fluorotrichloromethane − EPA 502.2
Fluorotrichloromethane − EPA 524.2
Fluorotrichloromethane − EPA 524.3
Hexachlorobutadiene − EPA 502.2
Hexachlorobutadiene − EPA 524.2
Hexachlorobutadiene − EPA 524.3
Isopropylbenzene − EPA 502.2
Isopropylbenzene − EPA 524.2
Isopropylbenzene − EPA 524.3
Methyl tert−butyl ether − EPA 502.2
Methyl tert−butyl ether − EPA 524.2
Methyl tert−butyl ether − EPA 524.3
Naphthalene − EPA 502.2
Naphthalene − EPA 524.2
Naphthalene − EPA 524.3
n−Butylbenzene − EPA 502.2
n−Butylbenzene − EPA 524.2
n−Butylbenzene − EPA 524.3
n−Propylbenzene − EPA 502.2
n−Propylbenzene − EPA 524.2
n−Propylbenzene − EPA 524.3
sec−Butylbenzene − EPA 502.2
sec−Butylbenzene − EPA 524.2
sec−Butylbenzene − EPA 524.3
tert−Butylbenzene − EPA 502.2
tert−Butylbenzene − EPA 524.2
tert−Butylbenzene − EPA 524.3

Table 2: Analytes and analyte groups available for accreditation

Analyte	Class code	Technologies: Aqueous matrix	Technologies: Non−aqueous matrix	Class: Drinking Water matrix
Analyte Groups				
## DIOXINS & FURANS (group)	GRP	HRGC/MS	HRGC/MS	—
## HALOACETIC ACIDS (5)	GRP	—	—	EPA 552.1 EPA 552.2 EPA 552.3 EPA 557 SM 6251B SM 6610B
## PAH (group)	GRP	GC GC/MS LC	GC GC/MS LC	—
## PCB as AROCLORS (group)	GRP	GC GC/MS	GC GC/MS	—
## PCB CONGENERS (group)	GRP	GC GC/MS HRGC/MS	GC GC/MS HRGC/MS	—
## PESTICIDES, ORGANOCHLORINE (group)	GRP	GC GC/MS	GC GC/MS	—
## SEMIVOLATILES [BNA] (group)	GRP	GC GC/MS	GC GC/MS	—
## THM (group)	GRP	—	—	EPA 502.2 EPA 524.2 EPA 524.3 EPA 551.1
## VOLATILE ORGANICS [VOC] (group)	GRP	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Analytes				
1,1,1,2−Tetrachloroethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,1,1−Trichloroethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3 EPA 551.1
1,1,2,2−Tetrachloroethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,1,2−Trichloroethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3 EPA 551.1
1,1−Dichloroethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,1−Dichloroethylene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,1−Dichloropropene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,2,3,4−Diepoxybutane	VOC	GC/MS	GC/MS	—
1,2,3−Trichlorobenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,2,3−Trichloropropane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,2,4,5−Tetrachlorobenzene	CHLH	GC GC/MS	GC GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
1,2,4−Trichlorobenzene	CHLH VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,2,4−Trimethylbenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,2−Dibromo−3−chloropropane (DBCP), (Dibromo-chloropropane)	PEST SOCM VOC	GC	GC	EPA 504.1 EPA 524.3 EPA 551.1
1,2−Dibromoethane (EDB), Ethylene dibromide	VOC	GC GC/MS	GC GC/MS	EPA 504.1 EPA 524.3 EPA 551.1
1,2−Dichlorobenzene	CHLH VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,2−Dichloroethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,2−Dichloroethene (cis)	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,2−Dichloroethene (trans)	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,2−Dichloropropane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,2−Dinitrobenzene	NAROM	GC GC/MS	GC GC/MS	—
1,3,5−Trimethylbenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,3,5−Trinitrobenzene	EXPLO NAROM	GC GC/MS LC	GC GC/MS LC	—
1,3−Dichloro−2−propanol	VOC	GC GC/MS	GC GC/MS	—
1,3−Dichlorobenzene	CHLH VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,3−Dichloropropane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,3−Dichloropropylene (cis)	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,3−Dichloropropylene (trans)	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,3−Dinitrobenzene	EXPLO NAROM	GC GC/MS LC	GC GC/MS LC	—
1,3−Propanediol	VOC	GC GC/MS	GC GC/MS	—
1,4−Dichloro−2−butene (trans)	VOC	GC/MS	GC/MS	—
1,4−Dichlorobenzene	CHLC VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
1,4−Dinitrobenzene	NAROM	GC GC/MS	GC GC/MS	—
1,4−Dioxane	BNANH VOC	GC GC/MS	GC GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
1,4−Naphthoquinone	NAROM	GC GC/MS	GC GC/MS	—
1,4−Phenylenediamine	NAROM	GC GC/MS	GC GC/MS	—
1−Acetyl−2−thiourea	BNANH	GC/MS	GC/MS	—
1−Chlorohexane	VOC	GC/MS	GC/MS	—
1−Chloronaphthalene	CHLH	GC/MS	GC/MS	—
1−Methylnaphthalene	PAH	GC GC/MS LC	GC GC/MS LC	—
1−Naphthylamine	NAROM	GC GC/MS	GC GC/MS	—
1−Propanol	VOC	GC/MS	GC/MS	—
2,2−Dichloropropane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
2,3,4,6−Tetrachlorophenol	PHEN	GC GC/MS	GC GC/MS	—
2,3,5,6−Tetrachlorophenol	PHEN	GC GC/MS	GC GC/MS	—
2,3,7,8−TCDD (Dioxin)	SOCD	—	—	EPA 1613
2,3−Dichloropropene	VOC	GC GC/MS	GC GC/MS	—
2,3−Dinitrotoluene	EXPLO	GC/MS	—	—
2,4,5−T	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
2,4,5−T, butoxyethanol ester	APEST	LC LC/MS	LC LC/MS	—
2,4,5−T, butyl ester	APEST	LC LC/MS	LC LC/MS	—
2,4,5−Trichlorophenol	PHEN	GC GC/MS	GC GC/MS	—
2,4,5−Trimethylaniline	NAROM	GC GC/MS	GC GC/MS	—
2,4,6−Trichlorophenol	PHEN	GC GC/MS	GC GC/MS	—
2,4,6−Trinitrobenzene	EXPLO	LC	LC	—
2,4,6−Trinitrotoluene	EXPLO	LC	LC	—
2,4−D	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	ASTM D5317 EPA 515.1 EPA 515.2 EPA 515.3 EPA 515.4 EPA 555 SM 6640B
2,4−D, butoxyethanol ester	APEST	LC LC/MS	LC LC/MS	—
2,4−D, ethylhexyl ester	APEST	LC LC/MS	LC LC/MS	—
2,4−DB	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
2,4−DB salts and esters	APEST	GC LC LC/MS	GC LC LC/MS	—
2,4−Diamino−6−nitrotoluene	EXPLO	LC	LC	—
2,4−Diaminotoluene	NAROM	GC GC/MS	GC GC/MS	—
2,4−Dichlorophenol	PHEN	GC GC/MS	GC GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
2,4−Dimethylphenol	PHEN	GC GC/MS	GC GC/MS	—
2,4−Dinitrophenol	PHEN	GC GC/MS	GC GC/MS	—
2,4−Dinitrotoluene	EXPLO NAROM	GC GC/MS LC	GC GC/MS LC	—
2,5−Dinitrotoluene	EXPLO	GC/MS	—	—
2,6−Dichlorophenol	PHEN	GC GC/MS	GC GC/MS	—
2,6−Dichlorosyringaldehyde	PHEN	GC GC/MS	GC GC/MS	—
2,6−Dinitrotoluene	EXPLO NAROM	GC GC/MS LC	GC GC/MS LC	—
2−Acetylaminofluorene	BNANH	GC/MS	GC/MS	—
2−Amino−4,6−dinitrotoluene	EXPLO	LC	LC	—
2−Aminoanthraquinone	BNANH	GC/MS	GC/MS	—
2−Chloroethanol	VOC	GC GC/MS	GC GC/MS	—
2−Chloronaphthalene	CHLH VOC	GC GC/MS	GC GC/MS	—
2−Chlorophenol	PHEN	GC GC/MS	GC GC/MS	—
2−Chlorosyringaldehyde	PHEN	GC GC/MS	GC GC/MS	—
2−Chlorotoluene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
2−Cyclohexyl−4,6−dinitro−phenol	PHEN	GC GC/MS	GC GC/MS	—
2−Hexanone	VOC	GC GC/MS	GC GC/MS	—
2−Hydroxypropionitrile	BNANH	GC/MS	GC/MS	—
2−Methyl−3−nitroaniline	EXPLO	GC/MS	—	—
2−Methyl−4,6−dinitrophenol	PHEN	GC GC/MS	GC GC/MS	—
2−Methyl−5−nitroaniline	NAROM EXPLO	GC/MS	—	—
2−Methyl−6−nitroaniline	EXPLO	GC/MS	—	—
2−Methylnaphthalene	PAH	GC GC/MS LC	GC GC/MS LC	—
2−Methylphenol (o−Cresol)	PHEN	GC GC/MS	GC GC/MS	—
2−Naphthylamine	NAROM	GC/MS	GC/MS	—
2−Nitroaniline	NAROM	GC/MS	GC/MS	—
2−Nitrophenol	PHEN	GC GC/MS	GC GC/MS	—
2−Nitropropane	VOC	GC/MS	GC/MS	—
2−Nitrotoluene	EXPLO	GC/MS LC	LC	—
2−Pentanone	VOC	GC GC/MS	GC GC/MS	—
2−Picoline (2−Methylpyridine)	NAROM VOC	GC/MS	GC/MS	—
3−(Chloromethyl)pyridine hydrochloride	CHLH	GC/MS	GC/MS	—
3,3'−Dichlorobenzidine	BENZ	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
3,3'−Dimethoxybenzidine	BENZ	GC GC/MS LC/MS	GC GC/MS LC/MS	—
3,3'−Dimethylbenzidine	BENZ	GC GC/MS LC/MS	GC GC/MS LC/MS	—
3,4,5−Trichlorocatechol	PHEN	GC GC/MS	GC GC/MS	—
3,4,5−Trichloroguaiacol	PHEN	GC GC/MS	GC GC/MS	—
3,4,6−Trichlorocatechol	PHEN	GC GC/MS	GC GC/MS	—
3,4,6−Trichloroguaiacol	PHEN	GC GC/MS	GC GC/MS	—
3,4−Dichlorocatechol	PHEN	GC GC/MS	GC GC/MS	—
3,4−Dichloroguaiacol	PHEN	GC GC/MS	GC GC/MS	—
3,4−Dinitrotoluene	EXPLO	GC/MS	—	—
3,5−Dichlorobenzoic acid	APEST	GC LC LC/MS	GC LC LC/MS	—
3,5−Dinitrotoluene	EXPLO	GC/MS	—	—
3,6−Dichlorocatechol	PHEN	GC GC/MS	GC GC/MS	—
3−Amino−9−ethylcarbazole	NAROM	GC/MS	GC/MS	—
3−Chloropropionitrile	VOC	GC/MS	GC/MS	—
3−Hydroxycarbofuran	CARB	LC LC/MS	LC LC/MS	EPA 531.1 EPA 531.2 SM 6610B
3−Methylcholanthrene	PAH	GC/MS	GC/MS	—
3−Methylphenol (m−Cresol)	PHEN	GC GC/MS	GC GC/MS	—
3−Nitroaniline	NAROM	GC/MS	GC/MS	—
3−Nitrotoluene	EXPLO	GC/MS LC	GC/MS LC	—
4,4'−DDD	CPEST	GC GC/MS	GC GC/MS	—
4,4'−DDE	CPEST	GC GC/MS	GC GC/MS	—
4,4'−DDT	CPEST	GC GC/MS	GC GC/MS	—
4,4'−Methylenebis (2−chloroaniline)	NAROM	GC/MS	GC/MS	—
4,4'−Methylenebis(N,N−dimethylaniline)	NAROM	GC/MS	GC/MS	—
4,4'−Oxydianiline	NAROM	GC/MS	GC/MS	—
4,5,6−Trichloroguaiacol	PHEN	GC GC/MS	GC GC/MS	—
4,5−Dichlorocatechol	PHEN	GC GC/MS	GC GC/MS	—
4,5−Dichloroguaiacol	PHEN	GC GC/MS	GC GC/MS	—
4,6−Dichlorocatechol	PHEN	GC GC/MS	GC GC/MS	—
4,6−Dichloroguaiacol	PHEN	GC GC/MS	GC GC/MS	—
4−Amino−2,6−dinitrotoluene	EXPLO	LC	LC	—
4−Aminobiphenyl	NAROM	GC/MS	GC/MS	—
4−Bromophenyl phenyl ether	HALO	GC GC/MS	GC GC/MS	—
4−Chloro−1,2−phenylenediamine	NAROM	GC/MS	GC/MS	—
4−Chloro−1,3−phenylenediamine	NAROM	GC/MS	GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
4−Chloro−3−methylphenol (4−Chloro−m−cresol)	PHEN	GC GC/MS	GC GC/MS	—
4−Chloroaniline	BNANH NAROM	GC/MS	GC/MS	—
4−Chlorocatechol	PHEN	GC GC/MS	GC GC/MS	—
4−Chloroguaiacol	PHEN	GC GC/MS	GC GC/MS	—
4−Chlorophenol	PHEN	GC GC/MS	GC GC/MS	—
4−Chlorophenyl phenyl ether	HALO	GC GC/MS	GC GC/MS	—
4−Chlorotoluene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
4−Dimethylaminoazobenzene	BNANH	GC/MS	GC/MS	—
4−Methyl−2−nitroaniline	EXPLO	GC/MS	—	—
4−Methyl−2−pentanone (Methyl isobutyl ketone)	VOC	GC GC/MS	GC GC/MS	—
4−Methyl−3−nitroaniline	EXPLO	GC/MS	—	—
4−Methylphenol (p−Cresol)	PHEN	GC GC/MS	GC GC/MS	—
4−Nitroaniline	NAROM	GC/MS	GC/MS	—
4−Nitrobiphenyl	NAROM	GC/MS	GC/MS	—
4−Nitrophenol	APEST PHEN	GC GC/MS LC	GC GC/MS LC	—
4−Nitroquinoline 1−oxide	BNANH	GC/MS	GC/MS	—
4−Nitrotoluene	EXPLO	GC/MS LC	LC	—
5,5−Diphenylhydantoin	BNANH	GC/MS	GC/MS	—
5,6−Dichlorovanillin	PHEN	GC GC/MS	GC GC/MS	—
5−Chloro−2−methylaniline	NAROM	GC/MS	GC/MS	—
5−Chlorovanillin	PHEN	GC GC/MS	GC GC/MS	—
5−Hydroxydicamba	APEST	GC	GC	—
5−Methyl−2−nitroaniline	EXPLO	GC/MS	—	—
5−Nitroacenaphthene	NAROM	GC/MS	GC/MS	—
5−Nitro−o−anisidine	NAROM	GC/MS	GC/MS	—
5−Nitro−o−toluidine	NAROM	GC/MS	—	—
6−Chlorovanillin	PHEN	GC GC/MS	GC GC/MS	—
7,12−Dimethylbenz(a)−anthracene	PAH	GC/MS	GC/MS	—
a,a−Dimethylphenethylamine	NAROM	GC/MS	GC/MS	—
Acenaphthene	PAH	GC GC/MS LC	GC GC/MS LC	—
Acenaphthylene	PAH	GC GC/MS LC	GC GC/MS LC	—
Acephate	OPEST	GC GC/MS	GC GC/MS	—
Acetaldehyde	ALDKE	LC	LC	—
Acetochlor	NPEST	GC GC/MS	GC GC/MS	—
Acetone	ALDKE VOC	GC GC/MS LC	GC GC/MS LC	—
Acetonitrile	VOC	GC GC/MS	GC GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Acetophenone	BNANH	GC/MS	GC/MS	—
Acidity as CaCO3	GC	Titration	—	—
Acifluorfen	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Acrolein	BNANH VOC	GC GC/MS	GC GC/MS	—
Acrylamide	BNANH	GC/MS	GC/MS	—
Acrylonitrile	BNANH VOC	GC GC/MS	GC GC/MS	—
Alachlor	NPEST SOCN	GC GC/MS	GC GC/MS	EPA 505 EPA 507 EPA 508.1 EPA 525.2 EPA 525.3 EPA 551.1
Alachlor−ESA (Alachlor ethane sulfonic acid)	NPEST	LC/MS	LC/MS	—
Aldicarb	CARB	LC LC/MS	LC LC/MS	EPA 531.1 EPA 531.2 SM 6610B
Aldicarb sulfone	CARB	LC LC/MS	LC LC/MS	EPA 531.1 EPA 531.2 SM 6610B
Aldicarb sulfoxide	CARB	LC LC/MS	LC LC/MS	EPA 531.1 EPA 531.2 SM 6610B
Aldrin	CPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2
Alkalinity	GC SCNM	Colorimetry Titration	—	ASTM D1067 (B) SM 2320B USGS I−1030−85
Allyl alcohol	VOC	GC GC/MS	GC GC/MS	—
Allyl chloride	VOC	GC GC/MS	GC GC/MS	—
alpha−BHC	CPEST	GC GC/MS	GC GC/MS	—
Aluminum	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	EPA 200.5 Axial EPA 200.7 EPA 200.8 EPA 200.9 SM 3111D SM 3113B SM 3120B
Ametryn	TPEST	GC GC/MS	GC GC/MS	—
Aminoazobenzene	BNANH	GC/MS	GC/MS	—
Aminocarb	CARB	LC/MS	LC/MS	—
Ammonia as N	GC	Colorimetry ISE Titration	Colorimetry ISE Titration	—
Anilazine	TPEST	GC GC/MS	GC GC/MS	—
Aniline	BNANH	GC/MS	GC/MS	—
Anthracene	PAH	GC GC/MS LC	GC GC/MS LC	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Antimony	M	FLAA GFAA GHAA ICP ICP/MS	FLAA GFAA GHAA ICP ICP/MS	ASTM D3697 EPA 200.5 Axial EPA 200.8 EPA 200.9 SM 3113B
Aramite	BNANH	GC/MS	GC/MS	—
Arsenic	M	Colorimetry FLAA GFAA GHAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	ASTM D2972 (B) ASTM D2972 (C) EPA 200.5 Axial EPA 200.8 EPA 200.9 SM 3113B SM 3114B
Aspon	NPEST	GC GC/MS	GC/MS LC/MS	—
Asulam	CARB	LC/MS	LC/MS	—
Atraton	TPEST	GC GC/MS	GC GC/MS	—
Atrazine	TPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 507 EPA 508.1 EPA 523 EPA 525.2 EPA 525.3 EPA 536 EPA 551.1 Syngenta AG−625
Azinphos ethyl	OPEST	GC GC/MS	GC GC/MS	—
Azinphos methyl (Guthion)	OPEST	GC GC/MS	GC GC/MS	—
Azobenzene	BNANH	GC GC/MS	GC GC/MS	—
Barban	CARB	GC GC/MS LC/MS	GC GC/MS LC/MS	—
Barium	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	EPA 200.5 Axial EPA 200.7 EPA 200.8 SM 3111D SM 3113B SM 3120B
Baygon (Propoxur)	CARB	LC LC/MS	LC LC/MS	—
Bendiocarb	CARB	LC LC/MS	LC LC/MS	—
Benfluralin	NPEST	GC GC/MS	GC GC/MS	—
Benomyl	CARB	LC LC/MS	LC LC/MS	—
Bentazon	NPEST APEST	GC GC/MS LC	GC GC/MS LC	—
Benzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Benzidine	BENZ	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Benzo[a]anthracene	PAH	GC GC/MS LC	GC GC/MS LC	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Benzo[a]pyrene	PAH SOCM	GC GC/MS LC	GC GC/MS LC	EPA 525.2 EPA 525.3 EPA 550 EPA 550.1
Benzo[b]fluoranthene	PAH	GC GC/MS LC	GC GC/MS LC	—
Benzo[g,h,i]perylene	PAH	GC GC/MS LC	GC GC/MS LC	—
Benzo[k]fluoranthene	PAH	GC GC/MS LC	GC GC/MS LC	—
Benzoic acid	PHEN	GC/MS	GC/MS	—
Benzoylprop ethyl	NPEST	LC/MS	LC/MS	—
Benzyl alcohol	BNANH	GC/MS	GC/MS	—
Benzyl chloride	CHLH	GC GC/MS	GC GC/MS	—
Beryllium	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	ASTM D3645 (B) EPA 200.5 Axial EPA 200.7 EPA 200.8 EPA 200.9 SM 3113B SM 3120B
beta−BHC (ß−BHC)	CPEST	GC GC/MS	GC GC/MS	—
Biochemical Oxygen Demand (BOD)	GC	5−day Assay	—	—
Biphenyl	BNANH	GC/MS	GC/MS	—
Bis(2−chloroethoxy)methane	HALO	GC GC/MS	GC GC/MS	—
Bis(2−chloroethyl)ether	HALO	GC GC/MS	GC GC/MS	—
Bis(2−chloroethyl)sulfide	VOC	GC/MS	GC/MS	—
Bis(2−chloroisopropyl)ether	HALO	GC GC/MS	GC GC/MS	—
Bis(2−ethylhexyl)phthalate, Di(2−ethylhexyl)phthalate	PHTHL SOCM	GC GC/MS	GC GC/MS	EPA 506 EPA 525.2 EPA 525.3
Bismuth	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Bolstar	OPEST	GC GC/MS	GC GC/MS	—
Boron	M	Colorimetry ICP ICP/MS	Colorimetry ICP ICP/MS	—
Bromacil	NPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Bromate	DBP	—	—	ASTM D 6581 EPA 300.1 EPA 302.0 EPA 317.0, Rev. 2.0 EPA 321.8 EPA 326.0 EPA 557

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Bromide	GC DBP	IC Titration	IC Titration	ASTM D 6581 EPA 300.0 EPA 300.1 EPA 326.0 EPA 327.0, Rev. 1.1
Bromoacetone	VOC	GC GC/MS	GC GC/MS	—
Bromobenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Bromochloromethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Bromodichloromethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3 EPA 551.1
Bromoform	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3 EPA 551.1
Bromomethane (Methyl bromide)	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Bromoxynil (Brominal)	APEST NPEST	GC/MS LC	GC/MS LC	—
Bromoxynil octanoate	NPEST	GC GC/MS	GC GC/MS	—
Busan 40	CARB	GC GC/MS	GC GC/MS	—
Busan 85	CARB	GC GC/MS	GC GC/MS	—
Butachlor	NPEST SOCN	GC GC/MS	GC GC/MS	EPA 507 EPA 508.1 EPA 525.2
Butanal	ALDKE	LC	LC	—
Butyl benzyl phthalate	PHTHL	GC GC/MS	GC GC/MS	—
Butylate	NPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Cadmium	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	EPA 200.5 Axial EPA 200.7 EPA 200.8 EPA 200.9 SM 3113B
Calcium	M	Colorimetry FLAA FP IC ICP ICP/MS	Colorimetry FLAA FP ICP ICP/MS	ASTM D511 (A) ASTM D511 (B) ASTM D6919 EPA 200.5 Axial EPA 200.7 SM 3111B SM 3120B SM 3500−Ca B SM 3500−Ca D
Captafol	CPEST	GC GC/MS	GC GC/MS	—
Captan	CPEST	GC GC/MS	GC GC/MS	—
Carbam−S	CARB	GC GC/MS	GC GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Carbaryl	CARB	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	EPA 531.1 EPA 531.2 SM 6610B
Carbazole	BNANH	GC/MS	GC/MS	—
Carbendazim	CARB	LC/MS	LC/MS	—
Carbofuran	CARB	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	EPA 531.1 EPA 531.2 SM 6610B
Carbon disulfide	VOC	GC GC/MS	GC GC/MS	—
Carbon tetrachloride	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3® EPA 551.1®
Carbonaceous Biological Oxygen Demand (cBOD)	GC	5−day Assay	—	—
Carbophenothion	OPEST	GC GC/MS	GC GC/MS	—
Carbosulfan	CARB	LC/MS	LC/MS	—
Ceriodaphnia dubia	AT CT	Acute Toxicity Assay Chronic Toxicity Assay	—	—
Chemical Oxygen Demand (COD)	GC	Colorimetry Titration	Titration	—
Chloramben	APEST	GC LC LC/MS	GC LC LC/MS	—
Chlorate	DBP	—	—	EPA 300.1
Chlordane (alpha)	CPEST	GC GC/MS	GC GC/MS	—
Chlordane (gamma)	CPEST	GC GC/MS	GC GC/MS	—
Chlordane (Technical)	CPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2 EPA 525.3
Chlorfenvinphos	OPEST	GC GC/MS	GC GC/MS	—
Chloride	GC SCNM	Colorimetry IC ISE Titration	Colorimetry IC ISE Titration	ASTM D4327 ASTM D512 (B) ASTM D6508, Rev. 2 EPA 300.0 EPA 300.1 SM 4110B SM 4500−Cl− B SM 4500−Cl− D
Chlorine dioxide	DBP	—	—	EPA 327.0, Rev.1 SM 4500−ClO2 C SM 4500−ClO2 D SM 4500−ClO2 E
Chlorine, Free Residual	SCNM	—	—	SM 4500−Cl D SM 4500−Cl F SM 4500−Cl G SM 4500−Cl H
Chlorine, Total Residual (TRC)	SCNM	—	—	SM 4500−Cl D SM 4500−Cl E SM 4500−Cl F SM 4500−Cl G SM 4500−Cl I

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Chlorine, Combined	SCNM	—	—	ASTM D1253 SM 4500−Cl D SM 4500−Cl F SM 4500−Cl G
Chlorine, Free	SCNM	—	—	ASTM D1253 Chlorosense EPA 334.0 SM 4500−Cl D SM 4500−Cl F SM 4500−Cl G SM 4500−Cl H
Chlorine, Total Residual (TRC) Chlorine, Total	SCNM	Colorimetry ISE Titration	—	ASTM D1253 Chlorosense EPA 334.0 SM 4500−Cl D SM 4500−Cl E SM 4500−Cl F SM 4500−Cl G SM 4500−Cl I
Chlorite	SCNM	—	—	ASTM D 6581 EPA 300.0 EPA 300.1 EPA 317.0, Rev. 2.0 EPA 326.0 EPA 327.0, Rev. 1.1 SM 4500−ClO2 E
Chlorobenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3®
Chlorobenzilate	CHLH	GC/MS	GC/MS	—
Chloroethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Chloroform	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3® EPA 551.1®
Chloromethane (Methyl chloride)	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Chloromethyl methyl ether	VOC	GC GC/MS	GC GC/MS	—
Chloroneb	CPEST	GC	GC	—
Chlorophyll	GC	Colorimetry	—	—
Chloroprene	VOC	GC GC/MS	GC GC/MS	—
Chloropropham	CARB	LC/MS	LC/MS	—
Chlorothalonil	NPEST	GC GC/MS	GC GC/MS	—
Chloroxuron	CARB	LC/MS	LC/MS	—
Chlorpyrifos	OPEST	GC GC/MS	GC GC/MS	—
Chlorpyrifos methyl	OPEST	GC GC/MS	GC GC/MS	—
Chlorthal (Dacthal di−acid, DCPA di−acid)	APEST	GC GC/MS LC	GC GC/MS LC	—
Chromium, Hexavalent	M	Colorimetry FLAA IC	Colorimetry FLAA IC	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Chromium, Total	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	EPA 200.5 Axial EPA 200.7 EPA 200.8 EPA 200.9 SM 3113B SM 3120B
Chrysene	PAH	GC GC/MS LC	GC GC/MS LC	—
Clopyralid	APEST	GC GC/MS LC	GC GC/MS LC	—
Cobalt	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Copper	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	ASTM D1688 (A) ASTM D1688 (C) EPA 200.5 Axial EPA 200.7 EPA 200.8 EPA 200.9 SM 3111B SM 3113B SM 3120B
Corrosivity	WC	—	pH Steel abrasion	—
Coumaphos	OPEST	GC GC/MS	GC GC/MS	—
Crotonaldehyde	ALDKE VOC	GC GC/MS LC	GC GC/MS LC	—
Crotoxyphos	OPEST	GC GC/MS	GC GC/MS	—
Cyanazine	TPEST	GC GC/MS	GC GC/MS	—
Cyanide (as free Cyanide)	PICNM	—	—	ALPKEM OIA−77 ASTM D2036 (A) ASTM D2036 (B) ASTM D6888 EPA 335.4 Kelada Kelada 01 ME355.01 QuikChem 10−204−00−1−X SM 4500−CN− C,E SM 4500−CN− C,F USGS I−3300−85
Cyanide, Amenable	GC	—	—	SM 4500−CN− C,G
Cyanide, Available	GC	Colorimetry FIA−Diff.−Amp. Titration	Colorimetry Titration	—
Cyanide, Total	GC	Colorimetry FIA−Diff.−Amp. ISE Titration	Colorimetry ISE Titration	—
Cyclohexanone	ALDKE	LC	LC	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Dalapon	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	EPA 515.1 EPA 515.3 EPA 515.4 EPA 552.1 EPA 552.2 EPA 552.3 EPA 557 SM 6640B
Dazomet	CARB	GC GC/MS	GC GC/MS	—
Decanal	ALDKE	LC	LC	—
Deethylatrazine	TPEST	GC GC/MS	GC GC/MS	—
DEF (Butifos)	OPEST	GC GC/MS	GC GC/MS	—
Deisopropylatrazine	TPEST	GC GC/MS	GC GC/MS	—
delta−BHC	CPEST	GC GC/MS	GC GC/MS	—
Demeton−O	OPEST	GC GC/MS	GC GC/MS	—
Demeton−S	OPEST	GC GC/MS	GC GC/MS	—
Di(2−ethylhexyl)adipate	SOCM	—	—	EPA 506 EPA 525.2 EPA 525.3
Diallate (cis or trans)	CARB	GC GC/MS	GC GC/MS	—
Diaminoatrazine	TPEST	GC GC/MS	GC GC/MS	—
Diazinon	OPEST	GC GC/MS	GC GC/MS	—
Dibenz(a,j)acridine	PAH	GC/MS	GC/MS	—
Dibenzo[a,e]pyrene	PAH	GC/MS	GC/MS	—
Dibenzo[a,h]anthracene	PAH	GC GC/MS LC	GC GC/MS LC	—
Dibenzofuran	BNANH	GC/MS	GC/MS	—
Dibromochloromethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3 EPA 551.1
Dibromomethane (Methylene bromide)	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Dicamba	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	EPA 515.1 EPA 515.2 EPA 515.3 EPA 515.4 EPA 555
Dichlofenthion	OPEST	GC GC/MS	GC GC/MS	—
Dichlone	CPEST	GC GC/MS	GC GC/MS	—
Dichlorodifluoromethane	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Dichlorprop (2,4−DP)	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Dichlorprop salts and esters	APEST	GC LC LC/MS	GC LC LC/MS	—
Dichlorvos (DDVP)	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Diclofop	APEST	GC GC/MS LC	GC GC/MS LC	—
Dicrotophos	OPEST	GC GC/MS	GC GC/MS	—
Dieldrin	CPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2
Diethyl ether (Ethyl ether)	VOC	GC GC/MS	GC GC/MS	—
Diethyl phthalate	PHTHL	GC GC/MS	GC GC/MS	—
Diethyl sulfate	BNANH	GC/MS	GC/MS	—
Diethylstilbestrol	BNANH	GC/MS	GC/MS	—
Dihydrosaffrole	BNANH	GC/MS	GC/MS	—
Diisopropyl ether	VOC	GC/MS	GC/MS	—
Dimethenamid	NPEST	GC GC/MS	GC GC/MS	—
Dimethoate	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Dimethyl phthalate	PHTHL	GC GC/MS	GC GC/MS	—
Di−n−butyl phthalate	PHTHL	GC GC/MS	GC GC/MS	—
Di−n−octyl phthalate	PHTHL	GC GC/MS	GC GC/MS	—
Dinoseb (2−sec−butyl−4,6−Dinitrophenol)	APEST PHEN	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	EPA 515.1 EPA 515.2 EPA 515.3 EPA 515.4 EPA 555 SM 6640B
Dioxacarb	CARB	LC	LC	—
Dioxathion	OPEST	GC GC/MS	GC GC/MS	—
Diphenylamine	BNANH	GC/MS	GC/MS	—
Diquat	PEST SOCM	LC	LC	EPA 549.2
Disulfoton	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Diuron	CARB	LC LC/MS	LC LC/MS	—
Endosulfan I	CPEST	GC GC/MS	GC GC/MS	—
Endosulfan II	CPEST	GC GC/MS	GC GC/MS	—
Endosulfan sulfate	CPEST	GC GC/MS	GC GC/MS	—
Endothall	PEST SOCM	LC	LC	EPA 548.1

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Endrin	CPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2 EPA 525.3 EPA 551.1
Endrin aldehyde	CPEST	GC GC/MS	GC GC/MS	—
Endrin ketone	CPEST	GC GC/MS	GC GC/MS	—
Epichlorohydrin	VOC	GC GC/MS	GC GC/MS	—
EPN	OPEST	GC GC/MS	GC GC/MS	—
EPTC (Eptam)	CARB	GC GC/MS LC/MS	GC GC/MS LC/MS	—
EPTOX Extraction	WE	—	Leach Test	—
Ethalfluralin	NPEST	GC GC/MS	GC GC/MS	—
Ethanol	VOC	GC GC/MS	GC GC/MS	—
Ethion	OPEST	GC GC/MS	GC GC/MS	—
Ethoprop	OPEST	GC GC/MS	GC GC/MS	—
Ethyl acetate	VOC	GC GC/MS	GC GC/MS	—
Ethyl carbamate	CARB	GC GC/MS	GC GC/MS	—
Ethyl methacrylate	VOC	GC GC/MS	GC GC/MS	—
Ethyl methanesulfonate	BNANH	GC/MS	GC/MS	—
Ethylbenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3®
Ethylene dibromide (EDB)	PEST SOCM	—	—	EPA 504.1 EPA 524.3 EPA 551.1
Ethylene glycol	VOC	GC GC/MS	GC GC/MS	—
Ethylene oxide	VOC	GC GC/MS	GC GC/MS	—
Famphur	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Fenarimol	NPEST	GC GC/MS	GC GC/MS	—
Fenitrothion	OPEST	GC GC/MS	GC GC/MS	—
Fensulfothion	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Fenthion	OPEST	GC GC/MS	GC GC/MS	—
Fenuron	CARB	LC LC/MS	LC LC/MS	—
Fenuron−TCA	CARB	LC/MS	LC/MS	—
Fenvalerate	PEST	LC	LC	—
Fluchloralin	BNANH	GC/MS	GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Fluometuron	CARB	LC LC/MS	LC LC/MS	—
Fluoranthene	PAH	GC GC/MS LC	GC GC/MS LC	—
Fluorene	PAH	GC GC/MS LC	GC GC/MS LC	—
Fluoride	GC	Colorimetry IC ISE	Colorimetry IC ISE	ASTM D1179 (B) ASTM D4327 ASTM D6508, Rev. 2 EPA 300.0 EPA 300.1 HACH Method 10225 SM 4110B SM 4500−F− B, D SM 4500−F− C SM 4500−F− E Technicon 129−71W Technicon 380−75WE
Fonofos	OPEST	GC GC/MS	GC GC/MS	—
Formaldehyde	ALDKE	LC	LC	—
Glyphosate	PEST SOCM	LC	LC	EPA 547 SM 6651B
Gold	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Hardness, Total as CaCO3	GC	Colorimetry Titration FLAA ICP	—	—
Heptachlor	CPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2 EPA 525.3 EPA 551.1
Heptachlor epoxide	CPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2 EPA 525.3 EPA 551.1
Heptanal	ALDKE	LC	LC	—
Hexachlorobenzene	CHLH	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2 EPA 525.3 EPA 551.1
Hexachlorobutadiene	CHLH VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Hexachlorocyclopentadiene	CHLH	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2 EPA 525.3 EPA 551.1
Hexachloroethane	CHLH VOC	GC GC/MS	GC GC/MS	—
Hexachlorophene	CHLH	GC/MS	GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Hexachloropropene	CHLH	GC/MS	GC/MS	—
Hexamethylphosphoramide	OPEST	GC GC/MS	GC GC/MS	—
Hexanal	ALDKE	LC	LC	—
Hexane, n−	VOC	GC/MS	GC/MS	—
Hexazinone	NPEST	GC GC/MS	GC GC/MS	—
HMX	EXPLO	LC	LC	—
Hydroquinone	BNANH	GC/MS	GC/MS	—
Ignitability	WC	—	Pensky−Martens Closed Cup Setaflash Closed Cup Small Scale Closed Cup	—
Indeno(1,2,3−cd)pyrene	PAH	GC GC/MS LC	GC GC/MS LC	—
Iodomethane (Methyl iodide)	VOC	GC GC/MS	GC GC/MS	—
Iridium	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Iron	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	EPA 200.5 Axial EPA 200.7 EPA 200.9 SM 3111B SM 3113B SM 3120B
Isobutyl alcohol (2−Methyl−1−propanol)	VOC	GC GC/MS	GC GC/MS	—
Isodrin	CPEST	GC GC/MS	GC GC/MS	—
Isophorone	NAROM	GC GC/MS	GC GC/MS	—
Isopropalin	NPEST	GC GC/MS	GC GC/MS	—
Isopropyl alcohol (2−Propanol)	VOC	GC GC/MS	GC GC/MS	—
Isopropylbenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Isosafrole	BNANH	GC/MS	GC/MS	—
Isovaleraldehyde	ALDKE	LC	LC	—
Kepone	CPEST	GC GC/MS	GC GC/MS	—
Kjeldahl Nitrogen, Total (TKN)	GC	Colorimetry ISE Titration	Colorimetry ISE Titration	—
KN Methyl	CARB	GC GC/MS	GC GC/MS	—
Lead	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	ASTM D3559 (D) EPA 200.5 Axial EPA 200.8 EPA 200.9 Palintest 1011 SM 3113B
Leptophos	OPEST	GC GC/MS	GC GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Lindane (gamma−BHC)	CPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2 EPA 525.3 EPA 551.1
Linuron	CARB	LC LC/MS	LC LC/MS	—
Lithium	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Magnesium	M	FLAA FP ICP ICP/MS	FLAA FP ICP ICP/MS	ASTM D511 (A) ASTM D511 (B) ASTM D6919 EPA 200.5 Axial EPA 200.7 SM 3111B SM 3120B SM 3500−Mg B
Malathion	OPEST	GC GC/MS	GC GC/MS	—
Maleic anhydride	BNANH	GC/MS	GC/MS	—
Malononitrile	VOC	GC GC/MS	GC GC/MS	—
Manganese	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	EPA 200.5 Axial EPA 200.7 EPA 200.8 EPA 200.9 SM 3111B SM 3113B SM 3120B
MCPA	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
MCPB	APEST	GC GC/MS LC	GC GC/MS LC	—
MCPP (Mecoprop)	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
m−Cumenyl methylcarbamate	CARB	LC LC/MS	LC LC/MS	—
Mercury	M	CVAA CVAFS LC ICP/MS TDAA	CVAA CVAFS LC ICP/MS TDAA	ASTM D3223 EPA 200.8 EPA 245.1 EPA 245.2 SM 3112B
Mercury, Organo−	M	LC	LC	—
Mercury, Trace Level	M	CVAFS LC ICP/MS TDAA	CVAFS LC ICP/MS TDAA	—
Merphos	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Mestranol	BNANH	GC/MS	GC/MS	—
Methacrylonitrile	VOC	GC GC/MS	GC GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Methamidophos	OPEST	GC GC/MS	GC GC/MS	—
Methanol	VOC	GC GC/MS	GC GC/MS	—
Methapyrilene	BNANH	GC/MS	GC/MS	—
Methiocarb	CARB	LC LC/MS	LC LC/MS	—
Methomyl	CARB	LC LC/MS	LC LC/MS	EPA 531.1 EPA 531.2 SM 6610B
Methoxychlor	CPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2 EPA 525.3 EPA 551.1
Methyl acrylate	VOC	GC GC/MS	GC GC/MS	—
Methyl ethyl ketone (MEK, 2−Butanone)	VOC	GC GC/MS	GC GC/MS	—
Methyl methacrylate	VOC	GC GC/MS	GC GC/MS	—
Methyl methanesulfonate	BNANH	GC/MS	GC/MS	—
Methyl tert−butyl ether (MtBE)	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Methylene chloride	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3®
Metolachlor	NPEST SOCN	GC GC/MS	GC GC/MS	EPA 507 EPA 508.1 EPA 525.2 EPA 551.1
Metolcarb	CARB	LC LC/MS	LC LC/MS	—
Metribuzin	NPEST SOCN	GC GC/MS	GC GC/MS	EPA 507 EPA 508.1 EPA 525.2 EPA 551.1
Mevinphos	OPEST	GC GC/MS	GC GC/MS	—
Mexacarbate	CARB	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Mirex	CPEST	GC GC/MS	GC GC/MS	—
Molinate	CARB	LC LC/MS	LC LC/MS	—
Molybdenum	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Monocrotophos	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Monuron	CARB	LC LC/MS	LC LC/MS	—
Monuron−TCA	CARB	LC/MS	LC/MS	—
m−Tolualdehyde	ALDKE	LC	LC	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
m−Xylene	VOC	GC GC/MS	GC GC/MS	—
Nabam	CARB	GC GC/MS	GC GC/MS	—
Nabonate	CARB	GC GC/MS	GC GC/MS	—
Naled	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Naphthalene	PAH VOC	GC GC/MS LC	GC GC/MS LC	EPA 502.2 EPA 524.2 EPA 524.3
Napropamide	NPEST	GC GC/MS	GC GC/MS	—
n−Butyl alcohol (1−Butanol)	VOC	GC GC/MS	GC GC/MS	—
n−Butylbenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Neburon	CARB	LC/MS	LC/MS	—
Nickel	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	EPA 200.5 Axial EPA 200.7 EPA 200.8 EPA 200.9 SM 3111B SM 3113B SM 3120B
Nicotine	BNANH	GC/MS	GC/MS	—
Nitrate	GC PICNM	Colorimetry IC ISE	Colorimetry IC ISE	ASTM D3867 (A) ASTM D3867 (B) ASTM D4327 ASTM D6508, Rev. 2 EPA 300.0 EPA 300.1 EPA 353.2 Hach Method 10206 Orion 601 SM 4110B SM 4500−NO3− D SM 4500−NO3− E SM 4500−NO3− F Systea Easy Waters B−1011
Nitrate + Nitrite	GC PICNM	Colorimetry IC	Colorimetry IC	ASTM D3867 (A) ASTM D3867 (B) ASTM D4327 ASTM D6508, Rev. 2 EPA 300.0 EPA 300.1 EPA 353.2 SM 4110B SM 4500−NO3− D SM 4500−NO3− E SM 4500−NO3− F Waters B−1011

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Nitrite	GC PICNM	Colorimetry IC	Colorimetry IC	ASTM D3867 (A) ASTM D3867 (B) ASTM D4327 ASTM D6508, Rev. 2 EPA 300.0 EPA 300.1 EPA 353.2 SM 4110B SM 4500−NO2− B SM 4500−NO3− E SM 4500−NO3− F Systea Easy Waters B−1011
Nitrobenzene	EXPLO NAROM	GC GC/MS LC	GC GC/MS LC	—
Nitrofen	BNANH	GC/MS	GC/MS	—
Nitroglycerin	EXPLO	LC	LC	—
N−Nitrosodiethylamine	NSAMI	GC GC/MS	GC GC/MS	—
N−Nitrosodimethylamine	NSAMI	GC GC/MS	GC GC/MS	—
N−Nitrosodi−n−butylamine	NSAMI	GC GC/MS	GC GC/MS	—
N−Nitrosodi−n−propylamine	NSAMI	GC GC/MS	GC GC/MS	—
N−Nitrosodiphenylamine	NSAMI	GC GC/MS	GC GC/MS	—
N−Nitrosomethylethylamine	NSAMI	GC GC/MS	GC GC/MS	—
N−Nitrosomorpholine	NSAMI	GC GC/MS	GC GC/MS	—
N−Nitrosopiperidine	NSAMI	GC GC/MS	GC GC/MS	—
N−Nitrosopyrrolidine	NSAMI	GC GC/MS	GC GC/MS	—
Nonanal	ALDKE	LC	LC	—
Norflurazon	NPEST	GC GC/MS	GC GC/MS	—
n−Propylamine	VOC	GC/MS	GC/MS	—
n−Propylbenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
O,O,O−Triethyl phosphorothioate	BNANH	GC/MS	GC/MS	—
o−Anisidine	BNANH	GC/MS	GC/MS	—
o−Chlorophenyl thiourea	CARB	LC/MS	LC/MS	—
Octamethyl pyrophosphoramide	BNANH	GC/MS	GC/MS	—
Octanal	ALDKE	LC	LC	—
Oil & Grease, as Hexane Extractable Material (HEM)	GC	Extraction/ Gravimetry	—	—
Organic Carbon, Dissolved (DOC)	SCNM	—	—	EPA 415.3 SM 5310B SM 5310C SM 5310D
Organic Carbon, Total (TOC)	GC SCNM	NonDispersive IR Microcoulometry	NonDispersive IR Microcoulometry	EPA 415.3 SM 5310B SM 5310C SM 5310D
Organic Halides, (Total−TOX and Adsorbable−AOX)	GC	NonDispersive IR Microcoulometry	NonDispersive IR Microcoulometry	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Orthophosphate	GC SCNM	Colorimetry IC	Colorimetry IC	ASTM D4327 ASTM D515 (A) ASTM D6508, Rev. 2 EPA 300.0 EPA 300.1 EPA 365.1 SM 4110B SM 4500−P E SM 4500−P F USGS I−1601−85 USGS I−2598−85 USGS I−2601−90
Osmium	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
o−Tolualdehyde	ALDKE	LC	LC	—
o−Toluidine	BNANH VOC	GC/MS	GC/MS	—
Oxamyl (Vydate)	CARB	LC LC/MS	LC LC/MS	EPA 531.1 EPA 531.2 SM 6610B
Oxygen, Dissolved	GC	ISE	—	—
o−Xylene	VOC	GC GC/MS	GC GC/MS	—
Ozone	DBP	—	—	SM 4500−O3 B
Palladium	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Paraldehyde	VOC	GC GC/MS	GC GC/MS	—
Paraquat	PEST	LC	LC	—
Parathion (Parathion ethyl)	OPEST	GC GC/MS	GC GC/MS	—
Parathion methyl	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
p−Benzoquinone	BNANH	GC/MS	GC/MS	—
PCBs (as Aroclors) Screening	SOCM	—	—	EPA 505 EPA 508 EPA 508.1 EPA 525.2 EPA 525.3
PCBs (as Decachlorobiphenyl)	SOCM			EPA 508A
p−Cresidine	BNANH	GC/MS	GC/MS	—
Pebulate	CARB	LC/MS	LC/MS	—
Pendimethalin	NPEST	GC GC/MS	GC GC/MS	—
Pentachlorobenzene	CHLH	GC GC/MS	GC GC/MS	—
Pentachloroethane	CHLH VOC	GC/MS	GC/MS	—
Pentachloronitrobenzene (PCNB)	CPEST NAROM	GC GC/MS	GC GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Pentachlorophenol	APEST PHEN	GC GC/MS LC	GC GC/MS LC	ASTM D5317 EPA 515.1 EPA 515.2 EPA 515.3 EPA 515.4 EPA 525.2 EPA 525.3 EPA 555 SM 6640B
Pentanal (Valeraldehyde)	ALDKE	LC	LC	—
Moisture Content	GC	—	Karl Fischer	—
Percent Solids	GC	—	Gravimetry	—
Permethrin	PEST	GC	GC	—
Perthane	CPEST	GC	GC	—
PETN (Pentaerythritol tetranitrate)	EXPLO	LC	LC	—
pH	GC SCNM	ISE	ISE	ASTM D1293 EPA 150.1 EPA 150.2 SM 4500−H+ B
Phenacetin	BNANH	GC/MS	GC/MS	—
Phenanthrene	PAH	GC GC/MS LC	GC GC/MS LC	—
Phenobarbital	BNANH	GC/MS	GC/MS	—
Phenol	PHEN	GC GC/MS	GC GC/MS	—
Phenolics, Total	GC	Colorimetry	Colorimetry	—
Phorate	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Phosalone	OPEST	GC GC/MS	GC GC/MS	—
Phosmet (Imidan)	OPEST	GC GC/MS	GC GC/MS	—
Phosphamidon	OPEST	GC GC/MS	GC GC/MS	—
Phosphorus, Total	GC	Colorimetry	Colorimetry ICP	—
Phthalic anhydride	BNANH	GC/MS	GC/MS	—
Picloram	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	ASTM D5317 EPA 515.1 EPA 515.2 EPA 515.3 EPA 515.4 EPA 555 SM 6640B
Picric acid (Trinitrophenol)	EXPLO	LC	LC	—
Pimephales promelas	AT CT	Acute Toxicity Assay Chronic Toxicity Assay	—	—
Piperonyl sulfoxide	BNANH	GC/MS	GC/MS	—
p−Isopropyltoluene (4−Isopropyltoluene)	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Platinum	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Potassium	M	FLAA FP ICP ICP/MS	FLAA FP ICP ICP/MS	—
Promecarb	CARB	LC LC/MS	LC LC/MS	—
Prometon	TPEST	GC GC/MS	GC GC/MS	—
Prometryn	TPEST	GC GC/MS	GC GC/MS	—
Pronamide	NPEST	GC GC/MS	GC GC/MS	—
Propachlor	NPEST SOCN	GC GC/MS LC/MS	GC GC/MS LC/MS	EPA 507 EPA 508.1 EPA 525.2
Propanal (Propionaldehyde)	ALDKE	LC	LC	—
Propanil	CARB	LC	LC	—
Propanil	NPEST	GC GC/MS	GC GC/MS	—
Propargyl alcohol	VOC	GC GC/MS	GC GC/MS	—
Propazine	TPEST	GC GC/MS	GC GC/MS	—
Propham	CARB	LC LC/MS	LC LC/MS	—
Propionitrile (Ethyl cyanide)	VOC	GC GC/MS	GC GC/MS	—
Propylene glycol	VOC	GC/MS	GC/MS	—
Propylthiouracil	BNANH	GC/MS	GC/MS	—
Prosulfocarb	CARB	LC/MS	LC/MS	—
p−Tolualdehyde	ALDKE	LC	LC	—
p−Xylene	VOC	GC GC/MS	GC GC/MS	—
Pyrene	PAH	GC GC/MS LC	GC GC/MS LC	—
Pyrethrin I	PEST	LC	LC	—
Pyrethrin II	PEST	LC	LC	—
Pyridine	BNANH VOC	GC/MS	GC/MS	—
Qualitative FID Fingerprint	SSCAN	GC	GC	—
RDX	EXPLO	LC	LC	—
Reagent Water Shake Extraction (ASTM Leach Test)	WE	—	Leach Test	—
Residue, Filterable (TDS)	GC SCNM	Gravimetry	—	SM 2540C
Residue, Nonfilterable (TSS)	GC	Gravimetry	—	—
Residue, Settleable	GC	Gravimetry	—	—
Residue, Total	GC	Gravimetry	Gravimetry	—
Residue, Volatile (TVS)	GC	Gravimetry	Gravimetry	—
Residue, Volatile, Nonfilterable (TVSS)	GC	Gravimetry	—	—
Resorcinol	BNANH	GC/MS	GC/MS	—
Rhodium	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Ronnel	OPEST	GC GC/MS	GC GC/MS	—
Rotenone	PEST	LC/MS	LC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Ruthenium	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Safrole	BNANH	GC/MS	GC/MS	—
Secbumeton	NPEST	LC	LC	—
sec−Butylbenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Selenastrum capricornutum	CT	Chronic Toxicity	—	—
Selenium	M	GFAA GHAA ICP ICP/MS	GFAA GHAA ICP ICP/MS	ASTM D3859 (A) ASTM D3859 (B) EPA 200.5 Axial EPA 200.8 EPA 200.9 SM 3113B SM 3114B
Siduron	CARB	LC LC/MS	LC LC/MS	—
Silica	GC	Colorimetry ICP	—	ASTM D859 EPA 200.5 Axial EPA 200.7 SM 3120B SM 4500−Si D SM 4500−Si E SM 4500−Si F SM 4500−SiO2 C SM 4500−SiO2 D SM 4500−SiO2 E USGS I−1700−85 USGS I−2700−85
Silicon	M	Colorimetry ICP ICP/MS	ICP ICP/MS	—
Silver	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	EPA 200.5 Axial EPA 200.7 EPA 200.8 EPA 200.9 SM 3111B SM 3113B SM 3120B USGS I−3720−85
Silvex (2,4,5−TP)	APEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	ASTM D5317 EPA 515.1 EPA 515.2 EPA 515.3 EPA 515.4 EPA 555 SM 6640B
Simazine	TPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 507 EPA 508.1 EPA 523 EPA 525.2 EPA 525.3 EPA 536 EPA 551.1
Sodium	M	FLAA FP IC ICP ICP/MS	FLAA FP IC ICP ICP/MS	ASTM D6919 EPA 200.5 Axial EPA 200.7 EPA 200.8 SM 3111B
Specific Conductance (Conductivity)	GC SCNM	ISE	ISE	ASTM D1125 (A) SM 2510B

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
SPLP Extraction	WE	—	Leach test	—
ß−Propiolactone	VOC	GC GC/MS	GC GC/MS	—
Strobane	CPEST	GC	GC	—
Strontium	M	FLAA ICP ICP/MS	FLAA ICP ICP/MS	—
Strychnine	PEST	GC/MS	GC/MS	—
Styrene	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3®
Sulfallate (Thioallate)	CARB	GC GC/MS	GC GC/MS	—
Sulfate	GC SCNM	Colorimetry IC	Colorimetry IC	ASTM D4327 ASTM D516 ASTM D6508, Rev. 2 EPA 300.0 EPA 300.1 EPA 375.2 SM 4110B SM 4500−SO42− C, D SM 4500−SO42− E SM 4500−SO42− F
Sulfide	GC	Colorimetry ISE Titration	Colorimetry ISE Titration	—
Sulfides, Acid−soluble and Acid−insoluble	GC	Titration	Titration	—
Sulfite	GC	Titration	Titration	—
Sulfotepp (Tetraethyl dithiopyrophosphate)	OPEST	GC GC/MS	GC GC/MS	—
Surfactants [Foaming agents (MBAS)]	SCNM	Colorimetry	—	SM 5540C
SUVA (calc.)	SCNM	—	—	EPA 415.3
SUVA (Specific UV Absorbance)	SCNM	—	—	EPA 415.3
t−Butyl alcohol	VOC	GC GC/MS	GC GC/MS	—
TCLP Extraction	WC	—	Leach Test	—
TCMTB	NPEST	LC	LC	—
Tebuthiuron	CARB	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
TEPP (Tetraethyl pyrophosphate)	BNANH OPEST	GC GC/MS	GC GC/MS	—
Terbacil	NPEST	GC GC/MS	GC GC/MS	—
Terbufos	OPEST	GC GC/MS	GC GC/MS	—
Terbutryn	TPEST	GC GC/MS	GC GC/MS	—
tert−Butylbenzene	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Tetrachlorocatechol	PHEN	GC GC/MS	GC GC/MS	—
Tetrachloroethene	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3® EPA 551.1®
Tetrachloroguaiacol	PHEN	GC GC/MS	GC GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Tetrachlorvinphos (Stirofos)	OPEST	GC GC/MS	GC GC/MS	—
Tetraethyl dithiopyrophosphate	BNANH	GC/MS	GC/MS	—
Tetrahydrofuran	VOC	GC/MS	GC/MS	—
Tetryl	EXPLO	LC	LC	—
Thallium	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	EPA 200.8 EPA 200.9
Thiodicarb	CARB	LC LC/MS	LC LC/MS	—
Thiofanox	CARB	LC/MS	LC/MS	—
Thionazin (O,O−Diethyl O−2−pyrazinyl phosphorothioate)	BNANH OPEST	GC GC/MS	GC GC/MS	—
Thiophanate−methyl	CARB	LC/MS	LC/MS	—
Thiophenol (Benzenethiol)	BNANH	GC/MS	GC/MS	—
Tin	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Titanium	M	FLAA GFAA ICP ICP/MS	FLAA GFAA ICP ICP/MS	—
Tokuthion (Prothiofos)	OPEST	GC GC/MS	GC GC/MS	—
Toluene	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3®
Toluene diisocyanate	BNANH	GC/MS	GC/MS	—
Toxaphene	CPEST	GC GC/MS	GC GC/MS	EPA 505 EPA 508 EPA 508.1 EPA 525.2 EPA 525.3
Triadimefon	NPEST	GC GC/MS	GC GC/MS	—
Triallate	CARB	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Trichloroethene	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3® EPA 551.1®
Trichlorofluoromethane (Fluorotrichloromethane)	VOC	GC GC/MS	GC GC/MS	EPA 502.2 EPA 524.2 EPA 524.3
Trichloronate	OPEST	GC GC/MS	GC GC/MS	—
Trichlorosyringol	PHEN	GC GC/MS	GC GC/MS	—
Trichlorphon	OPEST	GC GC/MS LC LC/MS	GC GC/MS LC LC/MS	—
Triclopyr	APEST	GC GC/MS LC	GC GC/MS LC	—
Trifluralin	NPEST	GC GC/MS	GC GC/MS	—
Trimethyl phosphate	BNANH	GC/MS	GC/MS	—

Analyte Groups (Continued)

Analyte	Class code	Technologies		Class
		Aqueous matrix	Non−aqueous matrix	Drinking Water matrix
Tri−o−cresylphosphate (TOCP)	OPEST	GC GC/MS	GC GC/MS	—
Tri−p−tolyl phosphate	BNANH	GC/MS	GC/MS	—
Tris(2,3−dibromopropyl) phosphate	BNANH	GC/MS	GC/MS	—
Tungsten	M	ICP ICP/MS	ICP ICP/MS	—
Turbidity	GC SCNM	Colorimetry	—	AMI Turbiwell EPA 180.1 GLI Method 2 HACH FilterTrak 10133 Mitchell M5271 Mitchell M5331 Orion AQ4500 SM 2130B
UV254	SCNM	—	—	EPA 415.3 SM 5910B
Vanadium	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	—
Vapam	PEST	GC	GC	—
Vernolate	CARB	LC/MS	LC/MS	—
Vinyl acetate	VOC	GC GC/MS	GC GC/MS	—
Vinyl chloride	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3®
Xylenes, Total	VOC	GC GC/MS	GC GC/MS	EPA 502.2® EPA 524.2® EPA 524.3®
Zinc	M	Colorimetry FLAA GFAA ICP ICP/MS	Colorimetry FLAA GFAA ICP ICP/MS	EPA 200.5 Axial EPA 200.7 EPA 200.8 SM 3111B SM 3120B
Ziram	CARB	GC GC/MS	GC GC/MS	—
Zirconium	M	ICP ICP/MS	ICP ICP/MS	—