

## 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)<sup>1</sup>Carbonaceous Biochemical Oxygen Demand (cBOD)<sup>1</sup>**Colorimetric or Turbidimetric Technology****Class: General Chemistry**Alkalinity<sup>1</sup>

Fluoride

Phosphorus, Total

Ammonia as N

Hardness, Total as CaCO<sub>3</sub><sup>1</sup>Silica<sup>1</sup>Chemical Oxygen Demand (COD)<sup>1</sup>

Kjeldahl Nitrogen, Total

Sulfate

Chloride

Nitrate

Sulfide

Chlorine, Total Residual (TRC)<sup>1</sup>

Nitrate + Nitrite

Surfactants<sup>1</sup>Chlorophyll<sup>1</sup>

Nitrite

Turbidity<sup>1</sup>

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)<sup>1</sup>

Nitrate

Sulfide

Cyanide, Total

Oxygen, Dissolved<sup>1</sup>**Gravimetric Assays – Residue (solids) Technology****Class: General Chemistry**Residue, Filterable (TDS)<sup>1</sup>

Residue, Total

Residue, Volatile, Nonfilterable (TVSS)<sup>1</sup>Residue, Nonfilterable (TSS)<sup>1</sup>

Residue, Volatile (TVS)

**Extraction/Gravimetric Assays – Oil & Grease as Hexane Extractable Materials (HEM) Technology****Class: General Chemistry**Oil & Grease as Hexane Extractable Material (HEM)<sup>1</sup>**Titrimetric or Potentiometric Titration Assays Technology****Class: General Chemistry**Acidity as CaCO<sub>3</sub><sup>1</sup>

Chloride

Kjeldahl Nitrogen, Total

Alkalinity<sup>1</sup>Chlorine, Total Residual (TRC)<sup>1</sup>

Sulfide

Ammonia as N

Cyanide, Available

Sulfides, Acid–soluble and Acid–insoluble

Bromide

Cyanide, Total

Sulfite<sup>1</sup>

Chemical Oxygen Demand (COD)

Hardness, Total as CaCO<sub>3</sub><sup>1</sup>

Calcium

Percent Water by Karl Fischer Titration<sup>2</sup>**Flow Injection – Gas Diffusion – Amperometry Technology****Class: General Chemistry**Cyanide, Available<sup>1</sup>Cyanide, Total<sup>1</sup>**Nondispersive Infrared (NDIR) or Microcoulometry Technology****Class: General Chemistry**

Organic Halides (TOX and AOX)

## Organic Carbon, Total (TOC)

|  |   |                                |                     |
|--|---|--------------------------------|---------------------|
| <b>Ion Chromatography (IC) Technology</b>  |   |                                |                     |
| <b>Class: General Chemistry</b>  |   |                                |                     |
|  | Ammonia as N                                      | Fluoride                       | Nitrite             |
|  | Bromide   | Nitrate                        | Orthophosphate      |
|  | Chloride  | Nitrate + Nitrite              | Sulfate             |
| <b>Flame Atomic Absorption Spectrophotometry (FLAA) Technology</b>                 |   |                                |                     |
| <b>Class: General Chemistry</b>  |   |                                |                     |
|  | Hardness, Total as CaCO <sub>3</sub> <sup>1</sup> |                                |                     |
| <b>Class: Metals</b>   |   |                                |                     |
|  | 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                |
| <b>Flame Photometry Spectrophotometry (FP) Technology</b>                          |   |                                |                     |
| <b>Class: Metals</b>   |   |                                |                     |
|  | Calcium   | Potassium                      | Sodium              |
|  | Magnesium   |                                |                     |
| <b>Gaseous Hydride Atomic Absorption Spectrophotometry Technology</b>              |   |                                |                     |
| <b>Class: Metals</b>   |   |                                |                     |
|  | Antimony  | Arsenic                        | Selenium            |
| <b>Graphite Furnace Atomic Absorption Spectrophotometry (GFAA) Technology</b>      |   |                                |                     |
| <b>Class: Metals</b>   |   |                                |                     |
|  | 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                |
| <b>Cold Vapor Atomic Absorption Spectrophotometry (CVAA) Technology</b>            |   |                                |                     |
| <b>Class: Metals</b>   |   |                                |                     |
|  | Mercury   | Mercury, Low Level             |                     |
| <b>Cold Vapor Atomic Fluorescence Spectrophotometry (CVAFS) Technology</b>         |   |                                |                     |
| <b>Class: Metals</b>   |   |                                |                     |
|  | Mercury   | Mercury, Low Level             |                     |
| <b>Thermal Decomposition Atomic Absorption Spectrophotometry (TDAA) Technology</b> |   |                                |                     |
| <b>Class: Metals</b>   |   |                                |                     |
|  | Mercury   | Mercury, Low Level             |                     |
| <b>Inductively Coupled Plasma Emission Spectrophotometry (ICP) Technology</b>      |   |                                |                     |
| <b>Class: General Chemistry</b>  |   |                                |                     |
|  | Hardness, Total as CaCO <sub>3</sub> <sup>1</sup> | Phosphorus, Total <sup>2</sup> | Silica <sup>1</sup> |
| <b>Class: Metals</b>   |   |                                |                     |
|  | 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                   |  |
| <b>Class: BNA – Nitroaromatics</b>          | 1,2-Dinitrobenzene                    | 1,4-Dinitrobenzene                        | Isophorone                                 |
|   | 1,3-Dinitrobenzene                    | 1,4-Naphthoquinone                        | Pentachloronitrobenzene (PCNB)             |
| <b>Class: BNA – Nitrosamines</b>            | N-Nitrosodiethylamine                 | N-Nitrosodi-n-propylamine                 | N-Nitrosomorpholine                        |
|   | N-Nitrosodimethylamine                | N-Nitrosodiphenylamine                    | N-Nitrosopiperidine                        |
|   | N-Nitrosodi-n-butylamine              | N-Nitrosomethylethylamine                 | N-Nitrosopyrrolidine                       |
| <b>Class: BNA – Phthalates</b>              | Bis(2-ethylhexyl)phthalate            | Diethyl phthalate                         | Di-n-butyl phthalate                       |
|   | Butyl benzyl phthalate                | Dimethyl phthalate                        | Di-n-octyl phthalate                       |
| <b>Class: Pesticides – Acid</b>             | 2,4,5-T                               | Chloramben                                | Dinoseb (2-sec-butyl-4,6-Dinitrophenol)    |
|   | 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                                  |
| <b>Class: Pesticides – Organochlorine</b>   | ## 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 (β-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)                       |  |
| <b>Class: Pesticides – Nitrogen</b>         | Acetochlor                            | Chlorothalonil                            | Norflurazon                                |
|   | Alachlor                              | Dimethenamid                              | Pendimethalin                              |
|   | Aspon                                 | Ethalfuralin                              | Pronamide                                  |
|   | Benfluralin                           | Fenarimol                                 | Propachlor                                 |
|   | Bentazon                              | Hexazinone                                | Propanil                                   |
|   | Bromacil                              | Isopropalin                               | Terbacil                                   |
|   | Bromoxynil octanoate                  | Metolachlor                               | Triadimefon                                |
|   | Butachlor                             | Metribuzin                                | Trifluralin                                |
|   | Butylate                              | Napropamide                               |  |
| <b>Class: Pesticides – Organophosphorus</b> | 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                              |  |
| <b>Class: Pesticides – Triazine</b>         |                                    |  |
| Ametryn                                     | Deethylatrazine                    | Propazine  |
| Anilazine                                   | Deisopropylatrazine                | Simazine   |
| Atraton                                     | Diaminoatrazine                    | Terbutryn  |
| Atrazine                                    | Prometon                           |  |
| Cyanazine                                   | Prometryn                          |  |
| <b>Class: Pesticides – Other</b>            |                                    |  |
| 1,2-Dibromo-3-chloropropane (DBCP)          | Permethrin                         | Vapam  |
| <b>Class: Persistent Organic Pollutants</b> |                                    |  |
| ## PCB as AROCLORS (group)                  |                                    |  |
| ## PCB CONGENERS (group)                    |                                    |  |
| <b>Class: Volatile Organics</b>             |                                    |  |
| ## 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) | $\beta$ -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 pyrophosphoramidate  | 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 <sup>1</sup> | 3-Nitrotoluene <sup>1</sup> |
|-----------------------|--------------------------------------|-----------------------------|

|   |  |  |                                      |
|---|--|--|--------------------------------------|
|   | 1,3-Dinitrobenzene                           | 2-Methyl-5-nitroaniline <sup>1</sup>     | 4-Methyl-2-nitroaniline <sup>1</sup> |
|   | 2,3-Dinitrotoluene <sup>1</sup>              | 2-Methyl-6-nitroaniline <sup>1</sup>     | 4-Methyl-3-nitroaniline <sup>1</sup> |
|   | 2,4-Dinitrotoluene                           | 2-Nitrotoluene <sup>1</sup>              | 4-Nitrotoluene <sup>1</sup>          |
|   | 2,5-Dinitrotoluene <sup>1</sup>              | 3,4-Dinitrotoluene <sup>1</sup>          | 5-Methyl-2-nitroaniline <sup>1</sup> |
|   | 2,6-Dinitrotoluene                           | 3,5-Dinitrotoluene <sup>1</sup>          | Nitrobenzene                         |
| <b>Class: BNA – Haloethers</b>                        |  |  |                                      |
|   | 4-Bromophenyl phenyl ether                   | Bis(2-chloroethoxy)methane               | Bis(2-chloroisopropyl)ether          |
|   | 4-Chlorophenyl phenyl ether                  | Bis(2-chloroethyl)ether                  |                                      |
| <b>Class: BNA – Nitroaromatics</b>                    |  |  |                                      |
|   | 1,2-Dinitrobenzene                           | 2-Methyl-5-nitroaniline <sup>1</sup>     | 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 <sup>1</sup>     |
|   | 2,4-Diaminotoluene                           | 4,4'-Oxydianiline                        | a,a-Dimethylphenethylamine           |
|   | 2,4-Dinitrotoluene                           | 4-Aminobiphenyl                          | Isophorone                           |
|   | 2,6-Dinitrotoluene                           | 4-Chloro-1,2-phenylenediamine            | Nitrobenzene                         |
| <b>Class: BNA – Nitrosamines</b>                      |  |  |                                      |
|   | N-Nitrosodiethylamine                        | N-Nitrosodi-n-propylamine                | N-Nitrosomorpholine                  |
|   | N-Nitrosodimethylamine                       | N-Nitrosodiphenylamine                   | N-Nitrosopiperidine                  |
|   | N-Nitrosodi-n-butylamine                     | N-Nitrosomethylethylamine                | N-Nitrosopyrrolidine                 |
| <b>Class: BNA – Polynuclear Aromatic Hydrocarbons</b> |  |  |                                      |
|   | ## 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                   |                                      |
| <b>Class: BNA – Phthalates</b>                        |  |  |                                      |
|   | Bis(2-ethylhexyl)phthalate                   | Diethyl phthalate                        | Di-n-butyl phthalate                 |
|   | Butyl benzyl phthalate                       | Dimethyl phthalate                       | Di-n-octyl phthalate                 |
| <b>Class: Pesticides – Acid</b>                       |  |  |                                      |
|   | 2,4,5-T                                      | Clopyralid                               | MCPB                                 |
|   | 2,4-D  | Dalapon                                  | MCPB (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<br>(Dacthal di-acid, DCPA di-acid) | MCPA                                     |                                      |
| <b>Class: Pesticides – Organochlorine</b>             |  |  |                                      |
|   | ## 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 (β-BHC)                             | Endosulfan II                            | Methoxychlor                         |
|   | Captafol                                     | Endosulfan sulfate                       | Mirex                                |
|   | Captan                                       | Endrin                                   | Pentachloronitrobenzene (PCNB)       |

|   |                                    |   |  |
|---|------------------------------------|---|--|
|   | Chlordane (alpha)                  | Endrin aldehyde                               | Toxaphene  |
|   | Chlordane (gamma)                  | Endrin ketone                                 |  |
| <b>Class: Pesticides – Nitrogen</b>         |                                    |   |  |
|   | Acetochlor                         | Chlorothalonil                                | Norflurazon  |
|   | Alachlor                           | Dimethenamid                                  | Pendimethalin  |
|   | Aspon                              | Ethalfuralin                                  | Pronamide  |
|   | Benfluralin                        | Fenarimol                                     | Propachlor   |
|   | Bentazon                           | Hexazinone                                    | Propanil   |
|   | Bromacil                           | Isopropalin                                   | Terbacil   |
|   | Bromoxynil octanoate               | Metolachlor                                   | Triadimefon  |
|   | Butachlor                          | Metribuzin                                    | Trifluralin  |
|   | Butylate                           | Napropamide                                   |  |
| <b>Class: Pesticides – Organophosphorus</b> |                                    |   |  |
|   | 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   |  |
| <b>Class: Pesticides – Triazine</b>         |                                    |   |  |
|   | Ametryn                            | Deethylatrazine                               | Propazine  |
|   | Anilazine                          | Deisopropylatrazine                           | Simazine   |
|   | Atraton                            | Diaminoatrazine                               | Terbutryn  |
|   | Atrazine                           | Prometon                                      |  |
|   | Cyanazine                          | Prometryn                                     |  |
| <b>Class: Pesticides – Carbamate</b>        |                                    |   |  |
|   | 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  |
| <b>Class: Pesticides – Other</b>            |                                    |   |  |
|   | Endothall                          | Strychnine                                    |  |
| <b>Class: Persistent Organic Pollutants</b> |                                    |   |  |
|   | ## PCB as AROCLORS (group)         |   |  |
|   | ## PCB CONGENERS (group)           |   |  |
| <b>Class: Volatile Organics</b>             |                                    |   |  |
|   | ## 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              | β-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                                | MCPB (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                |   |   |

|   |                                 |                            |                                     |
|---|---------------------------------|----------------------------|-------------------------------------|
| <b>Class: Pesticides – BNA–Benzidines</b>       |                                 |                            |                                     |
|   | 3,3'-Dichlorobenzidine          | Benzidine                  |                                     |
| <b>Class: BNA – Non–Halogenated Organics</b>    |                                 |                            |                                     |
|   | Acrolein                        | Acrylamide                 | Acrylonitrile                       |
| <b>Class: Pesticides – Carbamate</b>            |                                 |                            |                                     |
|   | 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                           |
| <b>Class: BNA – Explosive Residues</b>          |                                 |                            |                                     |
|   | 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               |                                     |
| <b>Class: Metals</b>                            |                                 |                            |                                     |
|   | Mercury                         | Organomercury              |                                     |
| <b>Class: Pesticides – Nitrogen</b>             |                                 |                            |                                     |
|   | Bentazon                        | Bromoxynil (Brominal)      | Sebumenton                          |
|   | Bromacil                        | Butylate                   | TCMTB                               |
| <b>Class: Pesticides – Organophosphorus</b>     |                                 |                            |                                     |
|   | Dichlorvos (DDVP)               | Fensulfothion              | Parathion methyl                    |
|   | Dimethoate                      | Merphos                    | Phorate                             |
|   | Disulfoton                      | Monocrotophos              | Trichlorphon                        |
|   | Famphur                         | Naled                      |                                     |
| <b>Class: Polynuclear Aromatic Hydrocarbons</b> |                                 |                            |                                     |
|   | ## 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     |                                     |
| <b>Class: Pesticides – Other</b>                |                                 |                            |                                     |
|   | Pyrene                          | Glyphosate                 | Pyrethrin II                        |
|   | Diquat                          | Paraquat                   |                                     |
|   | Fenvalerate                     | Pyrethrin I                |                                     |
| <b>Class: BNA – Phenols</b>                     |                                 |                            |                                     |
|   | 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<br>2,4–DB   | Dicamba<br>Dichlorprop (2,4–DP)  | Silvex (2,4,5–TP)   |
| <b>Class: BNA – Benzidines</b>   | 3,3'–Dichlorobenzidine<br>3,3'–Dimethoxybenzidine   | 3,3'–Dimethylbenzidine   | Benzidine   |
| <b>Class: Pesticides – Carbamate</b>   | 3–Hydroxycarbofuran<br>Aldicarb<br>Aldicarb sulfone<br>Aldicarb sulfoxide<br>Aminocarb<br>Asulam<br>Barban<br>Baygon (Propoxur)<br>Bendiocarb<br>Benomyl<br>Carbaryl<br>Carbendazim<br>Carbofuran<br>Carbosulfan<br>Chloroprotham | Chloroxuron<br>Diuron<br>EPTC (Eptam)<br>Fenuron<br>Fenuron–TCA<br>Fluometuron<br>Linuron<br>m–Cumenyl methylcarbamate<br>Methiocarb<br>Methomyl<br>Metolcarb<br>Mexacarbate<br>Molinate<br>Monuron<br>Monuron–TCA | Neburon<br>o–Chlorophenyl thiourea<br>Oxamyl (Vydate)<br>Pebulate<br>Protham<br>Prosulfocarb<br>Siduron<br>Tebuthiuron<br>Thiodicarb<br>Thiofanox<br>Thiophanate–methyl<br>Triallate<br>Vernolate |
| <b>Class: Pesticides – Nitrogen</b>  | Alachlor–ESA<br>(Alachlor ethane sulfonic acid)<br>Benzoylprop ethyl  | Bromacil<br>Butylate   | Propachlor  |
| <b>Class: Pesticides – Organophosphorus</b>  | Dichlorvos (DDVP)<br>Dimethoate<br>Disulfoton<br>Famphur  | Fensulfothion<br>Merphos<br>Monocrotophos<br>Naled   | Parathion methyl<br>Phorate<br>Trichlorphon<br>Rotenone   |
| <b>High Resolution Gas Chromatography – Mass Spectrometry (HRGC/MS) Technology</b> |   |  |   |
| <b>Class: Persistent Organic Pollutants</b>  |   |  |   |
| ## DIOXINS & FURANS (group)  |   |  |   |
| ## PCB AROCLORS (group)  |   |  |   |
| ## PCB CONGENERS (group)   |   |  |   |
| <b>Hazardous Waste Characteristics Technology</b>                                  |   |  |   |
| <b>Class: Hazardous Waste Characteristics</b>                                      |   |  |   |
|  | Corrosivity, Toward Steel <sup>2</sup>  | Ignitability, Setaflash Closed Cup <sup>2</sup>  | Ignitability, Small Scale Closed Cup <sup>2</sup>   |
|  | Corrosivity, Liquids <sup>2</sup>   | Ignitability, Pensky–Martens Closed Cup <sup>2</sup>   | Toxicity Characteristic Leaching Procedure (TCLP) Extraction <sup>2, 3</sup>  |
| <b>Solid Waste Leaching Procedures Technology</b>                                  |   |  |   |
| <b>Class: Leaching Procedures</b>  |   |  |   |
|  | SPLP Extraction <sup>2,3</sup>  | Reagent Water Shake Extraction (ASTM Leach) <sup>2,3</sup>   | EPTOX Extraction <sup>2,3</sup>   |
| <b>Whole Effluent Toxicity Assays</b>  |   |  |   |
| <b>Class: Toxicity, Acute</b>  |   |  |   |
|  | Ceriodaphnia dubia <sup>1</sup>   | Pimephales promelas <sup>1</sup>   |   |
| <b>Class: Toxicity, Chronic</b>  |   |  |   |
|  | Ceriodaphnia dubia <sup>1</sup>   | Pimephales promelas <sup>1</sup>   | Selenastrum capricornutum <sup>1</sup>  |

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–ClO<sub>2</sub> C  
 Chlorine Dioxide – SM 4500–ClO<sub>2</sub> D  
 Chlorine Dioxide – SM 4500–ClO<sub>2</sub> 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–ClO<sub>2</sub> 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–O<sub>3</sub> 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

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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

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Cadmium – EPA 200.5 Axial ICP

Cadmium – EPA 200.7

Cadmium – EPA 200.8

Cadmium – EPA 200.9

Cadmium – SM 3113B

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Chromium – EPA 200.5 Axial ICP

Chromium – EPA 200.7

Chromium – EPA 200.8

Chromium – EPA 200.9

Chromium – SM 3113B

Chromium – SM 3120B

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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

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Lead – ASTM D3559 (D)

Lead – EPA 200.5 Axial ICP

Lead – EPA 200.8

Lead – EPA 200.9

Lead – Palintest 1001

Lead – SM 3113B

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Mercury – ASTM D3223

Mercury – EPA 200.8

Mercury – EPA 245.1

Mercury – EPA 245.2

Mercury – SM 3112B

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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

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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

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Thallium – EPA 200.8

Thallium – EPA 200.9

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**Class: Secondary Inorganics Contaminants; Non-metals**

Alkalinity – ASTM D1067 (B)

Alkalinity – SM 2320B

Alkalinity – USGS I-1030-85

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Chloride – ASTM D4327

Chloride – ASTM D512 (B)

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| 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

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UV254 – EPA 415.3  
 UV254 – SM 5910B

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**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

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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

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

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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

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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

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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–SiO<sub>2</sub> C  
 Silica – SM 4500–SiO<sub>2</sub> D  
 Silica – SM 4500–SiO<sub>2</sub> E  
 Silica – USGS I–1700–85  
 Silica – USGS I–2700–85

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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

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Sodium – ASTM D6919  
Sodium – EPA 200.5 Axial ICP  
Sodium – EPA 200.7  
Sodium – SM 3111B

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Zinc – EPA 200.5 Axial ICP  
Zinc – EPA 200.7  
Zinc – EPA 200.8  
Zinc – SM 3111B  
Zinc – SM 3120B

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**Class: Synthetic Organic Contaminants (SOC) – Dioxin**

2,3,7,8–TCDD (Dioxin) – EPA 1613

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**Class: Synthetic Organic Contaminants (SOC) – Organochlorine Pesticides**

Aldrin – EPA 505  
Aldrin – EPA 508  
Aldrin – EPA 508.1  
Aldrin – EPA 525.2

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Chlordane – EPA 505  
Chlordane – EPA 508  
Chlordane – EPA 508.1  
Chlordane – EPA 525.2  
Chlordane – EPA 525.3

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Dieldrin – EPA 505  
Dieldrin – EPA 508  
Dieldrin – EPA 508.1  
Dieldrin – EPA 525.2

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

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

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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

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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

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

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Toxaphene – EPA 505  
Toxaphene – EPA 508  
Toxaphene – EPA 508.1  
Toxaphene – EPA 525.2  
Toxaphene – EPA 525.3

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**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

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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

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Butachlor – EPA 507  
 Butachlor – EPA 508.1  
 Butachlor – EPA 525.2

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Metolachlor – EPA 507  
 Metolachlor – EPA 508.1  
 Metolachlor – EPA 525.2  
 Metolachlor – EPA 551.1

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Metribuzin – EPA 507  
 Metribuzin – EPA 508.1  
 Metribuzin – EPA 525.2  
 Metribuzin – EPA 551.1

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Propachlor – EPA 507  
 Propachlor – EPA 508.1  
 Propachlor – EPA 525.2

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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

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**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

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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

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Dicamba – EPA 515.1  
 Dicamba – EPA 515.2  
 Dicamba – EPA 515.3  
 Dicamba – EPA 515.4  
 Dicamba – EPA 555

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Dinoseb – EPA 515.1  
 Dinoseb – EPA 515.2  
 Dinoseb – EPA 515.3  
 Dinoseb – EPA 515.4  
 Dinoseb – EPA 555  
 Dinoseb – SM 6640B

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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

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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

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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

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**Class: Synthetic Organic Contaminants (SOC) – Miscellaneous**

3–Hydroxycarbofuran – EPA 531.1  
 3–Hydroxycarbofuran – EPA 531.2  
 3–Hydroxycarbofuran – SM 6610B

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Aldicarb – EPA 531.1  
 Aldicarb – EPA 531.2  
 Aldicarb – SM 6610B

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Aldicarb sulfone – EPA 531.1  
 Aldicarb sulfone – EPA 531.2  
 Aldicarb sulfone – SM 6610B

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Aldicarb sulfoxide – EPA 531.1  
 Aldicarb sulfoxide – EPA 531.2  
 Aldicarb sulfoxide – SM 6610B

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Benzo[a]pyrene – EPA 525.2  
 Benzo[a]pyrene – EPA 525.3  
 Benzo[a]pyrene – EPA 550  
 Benzo[a]pyrene – EPA 550.1

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Carbaryl – EPA 531.1  
 Carbaryl – EPA 531.2  
 Carbaryl – SM 6610B

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Carbofuran – EPA 531.1  
 Carbofuran – EPA 531.2  
 Carbofuran – SM 6610B

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Di(2–ethylhexyl)adipate – EPA 506  
 Di(2–ethylhexyl)adipate – EPA 525.2  
 Di(2–ethylhexyl)adipate – EPA 525.3

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Di(2–ethylhexyl)phthalate – EPA 506  
 Di(2–ethylhexyl)phthalate – EPA 525.2  
 Di(2–ethylhexyl)phthalate – EPA 525.3

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Dibromochloropropane (DBCP) – EPA 504.1  
 Dibromochloropropane (DBCP) – EPA 524.3  
 Dibromochloropropane (DBCP) – EPA 551.1

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Diquat – EPA 549.2

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Endothall – EPA 548.1

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Ethylene dibromide (EDB) – EPA 504.1  
 Ethylene dibromide (EDB) – EPA 524.3  
 Ethylene dibromide (EDB) – EPA 551.1

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Glyphosate – EPA 547  
 Glyphosate – SM 6651B

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Hexachlorobenzene – EPA 505  
 Hexachlorobenzene – EPA 508  
 Hexachlorobenzene – EPA 508.1  
 Hexachlorobenzene – EPA 525.2

Hexachlorobenzene – EPA 525.3  
 Hexachlorobenzene – EPA 551.1

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

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

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

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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

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PCBs (as Decachlorobiphenyl) – EPA 508A

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**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

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

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



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

## Analyte Groups (Continued)

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

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

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

| Analyte                                      | Class code | Technologies   |                    | Class<br>Drinking Water matrix   |
|--|------------|----------------|--------------------|--|
|  |            | Aqueous matrix | Non-aqueous matrix |  |
| Acetophenone                                 | BNANH      | GC/MS          | GC/MS              | —  |
| Acidity as CaCO <sub>3</sub>                 | GC         | Titration      | —                  | —  |
| Acifluorfen                                  | APEST      | GC             | GC                 | —  |
|  |            | GC/MS          | GC/MS              |  |
|  |            | LC             | LC                 |  |
| Acrolein                                     | BNANH      | GC             | GC                 | —  |
|  |            | GC/MS          | GC/MS              |  |
|  |            | VOC            | GC/MS              |  |
| Acrylamide                                   | BNANH      | GC/MS          | GC/MS              | —  |
| Acrylonitrile                                | BNANH      | GC             | GC                 | —  |
|  |            | GC/MS          | GC/MS              |  |
| Alachlor                                     | NPEST      | GC             | GC                 | EPA 505<br>EPA 507<br>EPA 508.1<br>EPA 525.2<br>EPA 525.3<br>EPA 551.1                     |
|  |            | GC/MS          | GC/MS              |  |
| Alachlor-ESA (Alachlor ethane sulfonic acid) | NPEST      | LC/MS          | LC/MS              | —  |
| Aldicarb                                     | CARB       | LC             | LC                 | EPA 531.1<br>EPA 531.2<br>SM 6610B   |
|  |            | LC/MS          | LC/MS              |  |
| Aldicarb sulfone                             | CARB       | LC             | LC                 | EPA 531.1<br>EPA 531.2<br>SM 6610B   |
|  |            | LC/MS          | LC/MS              |  |
| Aldicarb sulfoxide                           | CARB       | LC             | LC                 | EPA 531.1<br>EPA 531.2<br>SM 6610B   |
|  |            | LC/MS          | LC/MS              |  |
| Aldrin                                       | CPEST      | GC             | GC                 | EPA 505<br>EPA 508<br>EPA 508.1<br>EPA 525.2   |
|  |            | GC/MS          | GC/MS              |  |
| Alkalinity                                   | GC         | Colorimetry    | —                  | ASTM D1067 (B)<br>SM 2320B<br>USGS I-1030-85   |
|  |            | SCNM           | Titration          |  |
| Allyl alcohol                                | VOC        | GC             | GC                 | —  |
|  |            | GC/MS          | GC/MS              |  |
| Allyl chloride                               | VOC        | GC             | GC                 | —  |
|  |            | GC/MS          | GC/MS              |  |
| alpha-BHC                                    | CPEST      | GC             | GC                 | —  |
|  |            | GC/MS          | GC/MS              |  |
| Aluminum                                     | M          | Colorimetry    | Colorimetry        | EPA 200.5 Axial<br>EPA 200.7<br>EPA 200.8<br>EPA 200.9<br>SM 3111D<br>SM 3113B<br>SM 3120B |
|  |            | FLAA           | FLAA               |  |
|  |            | GFAA           | GFAA               |  |
|  |            | ICP            | ICP                |  |
|  |            | ICP/MS         | ICP/MS             |  |
| Ametryn                                      | TPEST      | GC             | GC                 | —  |
|  |            | GC/MS          | GC/MS              |  |
| Aminoazobenzene                              | BNANH      | GC/MS          | GC/MS              | —  |
| Aminocarb                                    | CARB       | LC/MS          | LC/MS              | —  |
| Ammonia as N                                 | GC         | Colorimetry    | Colorimetry        | —  |
|  |            | ISE            | ISE                |  |
|  |            | Titration      | Titration          |  |
| Anilazine                                    | TPEST      | GC             | GC                 | —  |
|  |            | GC/MS          | GC/MS              |  |
| Aniline                                      | BNANH      | GC/MS          | GC/MS              | —  |
| Anthracene                                   | PAH        | GC             | GC                 | —  |
|  |            | GC/MS          | GC/MS              |  |
|  |            | LC             | LC                 |  |

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

| Analyte  | Class code    | Technologies   |                    | Class<br>Drinking Water matrix    |
|--|---------------|----------------|--------------------|-----------------------------------|
|  |               | Aqueous matrix | Non-aqueous matrix |                                   |
| Benzo[a]pyrene   | PAH<br>SOCM   | GC             | GC                 | EPA 525.2                         |
|  |               | GC/MS          | GC/MS              | EPA 525.3                         |
|  |               | LC             | LC                 | EPA 550<br>EPA 550.1              |
| Benzo[b]fluoranthene                                     | PAH           | GC             | GC                 | —                                 |
|  |               | GC/MS          | GC/MS              |                                   |
|  |               | LC             | LC                 |                                   |
| Benzo[g,h,i]perylene                                     | PAH           | GC             | GC                 | —                                 |
|  |               | GC/MS          | GC/MS              |                                   |
|  |               | LC             | LC                 |                                   |
| Benzo[k]fluoranthene                                     | PAH           | GC             | GC                 | —                                 |
|  |               | GC/MS          | GC/MS              |                                   |
|  |               | LC             | 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                 | —                                 |
|  |               | GC/MS          | GC/MS              |                                   |
| Beryllium  | M             | Colorimetry    | Colorimetry        | ASTM D3645 (B)                    |
|  |               | FLAA           | FLAA               | EPA 200.5 Axial                   |
|  |               | GFAA           | GFAA               | EPA 200.7                         |
|  |               | ICP            | ICP                | EPA 200.8                         |
|  |               | ICP/MS         | ICP/MS             | EPA 200.9<br>SM 3113B<br>SM 3120B |
| beta-BHC (β-BHC)   | CPEST         | GC<br>GC/MS    | GC<br>GC/MS        | —                                 |
| Biochemical Oxygen Demand (BOD)                          | GC            | 5-day Assay    | —                  | —                                 |
| Biphenyl   | BNANH         | GC/MS          | GC/MS              | —                                 |
| Bis(2-chloroethoxy)methane                               | HALO          | GC             | GC                 | —                                 |
|  |               | GC/MS          | GC/MS              |                                   |
| Bis(2-chloroethyl)ether                                  | HALO          | GC             | GC                 | —                                 |
|  |               | GC/MS          | GC/MS              |                                   |
| Bis(2-chloroethyl)sulfide                                | VOC           | GC/MS          | GC/MS              | —                                 |
| Bis(2-chloroisopropyl)ether                              | HALO          | GC             | GC                 | —                                 |
|  |               | GC/MS          | GC/MS              |                                   |
| Bis(2-ethylhexyl)phthalate,<br>Di(2-ethylhexyl)phthalate | PHTHL<br>SOCM | GC             | GC                 | EPA 506                           |
|  |               | GC/MS          | GC/MS              | EPA 525.2<br>EPA 525.3            |
| Bismuth  | M             | FLAA           | FLAA               | —                                 |
|  |               | GFAA           | GFAA               |                                   |
|  |               | ICP<br>ICP/MS  | ICP<br>ICP/MS      |                                   |
| Bolstar  | OPEST         | GC             | GC                 | —                                 |
|  |               | GC/MS          | GC/MS              |                                   |
| Boron  | M             | Colorimetry    | Colorimetry        | —                                 |
|  |               | ICP            | ICP                |                                   |
|  |               | ICP/MS         | ICP/MS             |                                   |
| Bromacil   | NPEST         | GC             | GC                 | —                                 |
|  |               | GC/MS          | GC/MS              |                                   |
|  |               | LC<br>LC/MS    | LC<br>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<br>EPA 557              |

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



| Analyte                                      | Class code | Technologies           |                    | Class<br>Drinking Water matrix   |
|--|------------|------------------------|--------------------|--|
|  |            | Aqueous matrix         | Non-aqueous matrix |  |
| Carbaryl                                     | CARB       | GC                     | GC                 | EPA 531.1  |
|  |            | GC/MS                  | GC/MS              | EPA 531.2  |
|  |            | LC                     | LC                 | SM 6610B   |
|  |            | LC/MS                  | LC/MS              |  |
| Carbazole                                    | BNANH      | GC/MS                  | GC/MS              | —  |
| Carbendazim                                  | CARB       | LC/MS                  | LC/MS              | —  |
| Carbofuran                                   | CARB       | GC                     | GC                 | EPA 531.1  |
|  |            | GC/MS                  | GC/MS              | EPA 531.2  |
|  |            | LC                     | LC                 | SM 6610B   |
|  |            | LC/MS                  | LC/MS              |  |
| Carbon disulfide                             | VOC        | GC                     | GC                 | —  |
|  |            | GC/MS                  | GC/MS              |  |
| Carbon tetrachloride                         | VOC        | GC                     | GC                 | EPA 502.2®   |
|  |            | GC/MS                  | GC/MS              | EPA 524.2®<br>EPA 524.3®<br>EPA 551.1®                                 |
| Carbonaceous Biological Oxygen Demand (cBOD) | GC         | 5-day Assay            | —                  | —  |
| Carbophenothion                              | OPEST      | GC                     | GC                 | —  |
|  |            | GC/MS                  | GC/MS              |  |
| Carbosulfan                                  | CARB       | LC/MS                  | LC/MS              | —  |
| Ceriodaphnia dubia                           | AT<br>CT   | Acute Toxicity Assay   | —                  | —  |
|  |            | Chronic Toxicity Assay |                    |  |
| Chemical Oxygen Demand (COD)                 | GC         | Colorimetry Titration  | Titration          | —  |
| Chloramben                                   | APEST      | GC                     | GC                 | —  |
|  |            | LC                     | LC                 |  |
|  |            | LC/MS                  | LC/MS              |  |
| Chlorate                                     | DBP        | —                      | —                  | EPA 300.1  |
| Chlordane (alpha)                            | CPEST      | GC                     | GC                 | —  |
| Chlordane (gamma)                            | CPEST      | GC                     | GC                 | —  |
|  |            | GC/MS                  | GC/MS              |  |
| Chlordane (Technical)                        | CPEST      | GC                     | GC                 | EPA 505<br>EPA 508   |
|  |            | GC/MS                  | GC/MS              | EPA 508.1<br>EPA 525.2<br>EPA 525.3                                    |
|  |            |                        |                    |  |
| Chlorfenvinphos                              | OPEST      | GC                     | GC                 | —  |
| Chloride                                     | GC<br>SCNM | Colorimetry            | Colorimetry        | ASTM D4327<br>ASTM D512 (B)<br>ASTM D6508, Rev. 2                      |
|  |            | IC                     | IC                 | EPA 300.0  |
|  |            | ISE                    | ISE                | EPA 300.1  |
|  |            | Titration              | Titration          | SM 4110B   |
|  |            |                        |                    | SM 4500-Cl- B  |
|  |            |                        |                    | SM 4500-Cl- D  |
| Chlorine dioxide                             | DBP        | —                      | —                  | EPA 327.0, Rev.1<br>SM 4500-ClO2 C<br>SM 4500-ClO2 D<br>SM 4500-ClO2 E |
|  |            |                        |                    | SM 4500-Cl D   |
|  |            |                        |                    | SM 4500-Cl F   |
|  |            |                        |                    | SM 4500-Cl G<br>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   | Class code | Technologies                    |                           | Class<br>Drinking Water matrix   |
|---|------------|---------------------------------|---------------------------|--|
|   |            | Aqueous matrix                  | Non-aqueous matrix        |  |
| Chlorine, Combined                                | SCNM       | —                               | —                         | ASTM D1253<br>SM 4500-CI D<br>SM 4500-CI F<br>SM 4500-CI G   |
| Chlorine, Free                                    | SCNM       | —                               | —                         | ASTM D1253<br>Chlorosense<br>EPA 334.0<br>SM 4500-CI D<br>SM 4500-CI F<br>SM 4500-CI G<br>SM 4500-CI H                 |
| Chlorine, Total Residual (TRC)<br>Chlorine, Total | SCNM       | Colorimetry<br>ISE<br>Titration | —                         | ASTM D1253<br>Chlorosense<br>EPA 334.0<br>SM 4500-CI D<br>SM 4500-CI E<br>SM 4500-CI F<br>SM 4500-CI G<br>SM 4500-CI I |
| Chlorite  | SCNM       | —                               | —                         | ASTM D 6581<br>EPA 300.0<br>EPA 300.1<br>EPA 317.0, Rev. 2.0<br>EPA 326.0<br>EPA 327.0, Rev. 1.1<br>SM 4500-CIO2 E     |
| Chlorobenzene                                     | VOC        | GC<br>GC/MS                     | GC<br>GC/MS               | EPA 502.2®<br>EPA 524.2®<br>EPA 524.3®   |
| Chlorobenzilate                                   | CHLH       | GC/MS                           | GC/MS                     | —  |
| Chloroethane                                      | VOC        | GC<br>GC/MS                     | GC<br>GC/MS               | EPA 502.2<br>EPA 524.2<br>EPA 524.3  |
| Chloroform  | VOC        | GC<br>GC/MS                     | GC<br>GC/MS               | EPA 502.2®<br>EPA 524.2®<br>EPA 524.3®<br>EPA 551.1®   |
| Chloromethane<br>(Methyl chloride)                | VOC        | GC<br>GC/MS                     | GC<br>GC/MS               | EPA 502.2<br>EPA 524.2<br>EPA 524.3  |
| Chloromethyl methyl ether                         | VOC        | GC<br>GC/MS                     | GC<br>GC/MS               | —  |
| Chloroneb   | CPEST      | GC                              | GC                        | —  |
| Chlorophyll                                       | GC         | Colorimetry                     | —                         | —  |
| Chloroprene                                       | VOC        | GC<br>GC/MS                     | GC<br>GC/MS               | —  |
| Chloropropham                                     | CARB       | LC/MS                           | LC/MS                     | —  |
| Chlorothalonil                                    | NPEST      | GC<br>GC/MS                     | GC<br>GC/MS               | —  |
| Chloroxuron                                       | CARB       | LC/MS                           | LC/MS                     | —  |
| Chlorpyrifos                                      | OPEST      | GC<br>GC/MS                     | GC<br>GC/MS               | —  |
| Chlorpyrifos methyl                               | OPEST      | GC<br>GC/MS                     | GC<br>GC/MS               | —  |
| Chlorthal (Dacthal di-acid, DCPA di-acid)         | APEST      | GC<br>GC/MS<br>LC               | GC<br>GC/MS<br>LC         | —  |
| Chromium, Hexavalent                              | M          | Colorimetry<br>FLAA<br>IC       | Colorimetry<br>FLAA<br>IC | —  |

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

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

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

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

| Analyte                              | Class code   | Technologies                            |                               | Class<br>Drinking Water matrix  |
|--------------------------------------|--------------|---|-------------------------------|---|
|                                      |              | Aqueous matrix                          | Non-aqueous matrix            |   |
| Fluometuron                          | CARB         | LC<br>LC/MS                             | LC<br>LC/MS                   | —   |
| Fluoranthene                         | PAH          | GC<br>GC/MS<br>LC                       | GC<br>GC/MS<br>LC             | —   |
| Fluorene                             | PAH          | GC<br>GC/MS<br>LC                       | GC<br>GC/MS<br>LC             | —   |
| Fluoride                             | GC           | Colorimetry<br>IC<br>ISE                | Colorimetry<br>IC<br>ISE      | ASTM D1179 (B)<br>ASTM D4327<br>ASTM D6508, Rev. 2<br>EPA 300.0<br>EPA 300.1<br>HACH Method 10225<br>SM 4110B<br>SM 4500-F- B, D<br>SM 4500-F- C<br>SM 4500-F- E<br>Technicon 129-71W<br>Technicon 380-75WE |
| Fonofos                              | OPEST        | GC<br>GC/MS                             | GC<br>GC/MS                   | —   |
| Formaldehyde                         | ALDKE        | LC                                      | LC                            | —   |
| Glyphosate                           | PEST<br>SOCM | LC                                      | LC                            | EPA 547<br>SM 6651B   |
| Gold                                 | M            | FLAA<br>GFAA<br>ICP<br>ICP/MS           | FLAA<br>GFAA<br>ICP<br>ICP/MS | —   |
| Hardness, Total as CaCO <sub>3</sub> | GC           | Colorimetry<br>Titration<br>FLAA<br>ICP | —                             | —   |
| Heptachlor                           | CPEST        | GC<br>GC/MS                             | GC<br>GC/MS                   | EPA 505<br>EPA 508<br>EPA 508.1<br>EPA 525.2<br>EPA 525.3<br>EPA 551.1  |
| Heptachlor epoxide                   | CPEST        | GC<br>GC/MS                             | GC<br>GC/MS                   | EPA 505<br>EPA 508<br>EPA 508.1<br>EPA 525.2<br>EPA 525.3<br>EPA 551.1  |
| Heptanal                             | ALDKE        | LC                                      | LC                            | —   |
| Hexachlorobenzene                    | CHLH         | GC<br>GC/MS                             | GC<br>GC/MS                   | EPA 505<br>EPA 508<br>EPA 508.1<br>EPA 525.2<br>EPA 525.3<br>EPA 551.1  |
| Hexachlorobutadiene                  | CHLH<br>VOC  | GC<br>GC/MS                             | GC<br>GC/MS                   | EPA 502.2<br>EPA 524.2<br>EPA 524.3   |
| Hexachlorocyclopentadiene            | CHLH         | GC<br>GC/MS                             | GC<br>GC/MS                   | EPA 505<br>EPA 508<br>EPA 508.1<br>EPA 525.2<br>EPA 525.3<br>EPA 551.1  |
| Hexachloroethane                     | CHLH<br>VOC  | GC<br>GC/MS                             | GC<br>GC/MS                   | —   |
| Hexachlorophene                      | CHLH         | GC/MS                                   | GC/MS                         | —   |

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



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

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

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

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

| Analyte                        | Class code     | Technologies                  |                               | Class<br>Drinking Water matrix                            |
|--------------------------------|----------------|-------------------------------|-------------------------------|---|
|                                |                | Aqueous matrix                | Non-aqueous matrix            |   |
| Orthophosphate                 | GC<br>SCNM     | Colorimetry<br>IC             | Colorimetry<br>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<br>GFAA<br>ICP<br>ICP/MS | FLAA<br>GFAA<br>ICP<br>ICP/MS | —   |
| o-Tolualdehyde                 | ALDKE          | LC                            | LC                            | —   |
| o-Toluidine                    | BNANH<br>VOC   | GC/MS                         | GC/MS                         | —   |
| Oxamyl (Vydate)                | CARB           | LC<br>LC/MS                   | LC<br>LC/MS                   | EPA 531.1<br>EPA 531.2<br>SM 6610B                        |
| Oxygen, Dissolved              | GC             | ISE                           | —                             | —   |
| o-Xylene                       | VOC            | GC<br>GC/MS                   | GC<br>GC/MS                   | —   |
| Ozone                          | DBP            | —                             | —                             | SM 4500-O3 B  |
| Palladium                      | M              | FLAA<br>GFAA<br>ICP<br>ICP/MS | FLAA<br>GFAA<br>ICP<br>ICP/MS | —   |
| Paraldehyde                    | VOC            | GC<br>GC/MS                   | GC<br>GC/MS                   | —   |
| Paraquat                       | PEST           | LC                            | LC                            | —   |
| Parathion (Parathion ethyl)    | OPEST          | GC<br>GC/MS                   | GC<br>GC/MS                   | —   |
| Parathion methyl               | OPEST          | GC<br>GC/MS<br>LC<br>LC/MS    | GC<br>GC/MS<br>LC<br>LC/MS    | —   |
| p-Benzoquinone                 | BNANH          | GC/MS                         | GC/MS                         | —   |
| PCBs (as Aroclors) Screening   | SOCM           | —                             | —                             | EPA 505<br>EPA 508<br>EPA 508.1<br>EPA 525.2<br>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<br>GC/MS                   | GC<br>GC/MS                   | —   |
| Pentachlorobenzene             | CHLH           | GC<br>GC/MS                   | GC<br>GC/MS                   | —   |
| Pentachloroethane              | CHLH<br>VOC    | GC/MS                         | GC/MS                         | —   |
| Pentachloronitrobenzene (PCNB) | CPEST<br>NAROM | GC<br>GC/MS                   | GC<br>GC/MS                   | —   |

| Analyte                                 | Class code    | Technologies               |                            | Class<br>Drinking Water matrix |
|---|---------------|----------------------------|----------------------------|--------------------------------|
|   |               | Aqueous matrix             | Non-aqueous matrix         |                                |
| Pentachlorophenol                       | APEST<br>PHEN | GC<br>GC/MS<br>LC          | GC<br>GC/MS<br>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<br>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                         | —                              |
|   |               | GC/MS                      | GC/MS                      |                                |
|   |               | LC                         | LC                         |                                |
| Phenobarbital                           | BNANH         | GC/MS                      | GC/MS                      | —                              |
| Phenol                                  | PHEN          | GC                         | GC                         | —                              |
| Phenolics, Total                        | GC            | Colorimetry                | Colorimetry                | —                              |
|   |               | GC                         | GC                         |                                |
| Phorate                                 | OPEST         | GC/MS                      | GC/MS                      | —                              |
|   |               | LC                         | LC                         |                                |
|   |               | LC/MS                      | LC/MS                      |                                |
| Phosalone                               | OPEST         | GC                         | GC                         | —                              |
|   |               | GC/MS                      | GC/MS                      |                                |
| Phosmet (Imidan)                        | OPEST         | GC                         | GC                         | —                              |
|   |               | GC/MS                      | GC/MS                      |                                |
| Phosphamidon                            | OPEST         | GC                         | GC                         | —                              |
|   |               | GC/MS                      | GC/MS                      |                                |
| Phosphorus, Total                       | GC            | Colorimetry                | Colorimetry<br>ICP         | —                              |
| Phthalic anhydride                      | BNANH         | GC/MS                      | GC/MS                      | —                              |
| Picloram                                | APEST         | GC<br>GC/MS<br>LC<br>LC/MS | GC<br>GC/MS<br>LC<br>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<br>CT      | Acute Toxicity<br>Assay    | —                          | —                              |
|   |               | Chronic Toxicity<br>Assay  |                            |                                |
| Piperonyl sulfoxide                     | BNANH         | GC/MS                      | GC/MS                      | —                              |
| p-Isopropyltoluene (4-Isopropyltoluene) | VOC           | GC                         | GC                         | EPA 502.2                      |
|   |               | GC/MS                      | GC/MS                      | EPA 524.2                      |
|   |               |                            |                            | EPA 524.3                      |
| Platinum                                | M             | FLAA                       | FLAA                       | —                              |
|   |               | GFAA                       | GFAA                       |                                |
|   |               | ICP                        | ICP                        |                                |
|   |               | ICP/MS                     | ICP/MS                     |                                |

| Analyte  | Class code    | Technologies                  |                               | Class<br>Drinking Water matrix    |
|--|---------------|-------------------------------|-------------------------------|-----------------------------------|
|  |               | Aqueous matrix                | Non-aqueous matrix            |                                   |
| Potassium  | M             | FLAA<br>FP<br>ICP<br>ICP/MS   | FLAA<br>FP<br>ICP<br>ICP/MS   | —                                 |
| Promecarb  | CARB          | LC<br>LC/MS                   | LC<br>LC/MS                   | —                                 |
| Prometon   | TPEST         | GC<br>GC/MS                   | GC<br>GC/MS                   | —                                 |
| Prometryn  | TPEST         | GC<br>GC/MS                   | GC<br>GC/MS                   | —                                 |
| Pronamide  | NPEST         | GC<br>GC/MS                   | GC<br>GC/MS                   | —                                 |
| Propachlor                                       | NPEST<br>SOCN | GC<br>GC/MS<br>LC/MS          | GC<br>GC/MS<br>LC/MS          | EPA 507<br>EPA 508.1<br>EPA 525.2 |
| Propanal (Propionaldehyde)                       | ALDKE         | LC                            | LC                            | —                                 |
| Propanil   | CARB          | LC                            | LC                            | —                                 |
| Propanil   | NPEST         | GC<br>GC/MS                   | GC<br>GC/MS                   | —                                 |
| Propargyl alcohol                                | VOC           | GC<br>GC/MS                   | GC<br>GC/MS                   | —                                 |
| Propazine  | TPEST         | GC<br>GC/MS                   | GC<br>GC/MS                   | —                                 |
| Propham  | CARB          | LC<br>LC/MS                   | LC<br>LC/MS                   | —                                 |
| Propionitrile (Ethyl cyanide)                    | VOC           | GC<br>GC/MS                   | GC<br>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<br>GC/MS                   | GC<br>GC/MS                   | —                                 |
| Pyrene   | PAH           | GC<br>GC/MS<br>LC             | GC<br>GC/MS<br>LC             | —                                 |
| Pyrethrin I                                      | PEST          | LC                            | LC                            | —                                 |
| Pyrethrin II                                     | PEST          | LC                            | LC                            | —                                 |
| Pyridine   | BNANH<br>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<br>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<br>GFAA<br>ICP<br>ICP/MS | FLAA<br>GFAA<br>ICP<br>ICP/MS | —                                 |
| Ronnel   | OPEST         | GC<br>GC/MS                   | GC<br>GC/MS                   | —                                 |
| Rotenone   | PEST          | LC/MS                         | LC/MS                         | —                                 |

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



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

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

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