

# Nitroaromatics

Individual Nitroaromatics (in 1 mL of solvent, unless otherwise noted)

| NITROAROMATICS              | CAS NO.   | QTY./CONC. | MATRIX  | CAT. NO.  |
|-----------------------------|-----------|------------|---------|-----------|
| 4-Chloronitrobenzene        | 100-00-5  | 100 mg     | Neat    | R-018N    |
|                             |           | 100 µg/mL  | Toluene | R-018S    |
| 2,5-Dichloronitrobenzene    | 89-61-2   | 100 mg     | Neat    | R-088N    |
|                             |           | 100 µg/mL  | Toluene | R-088S    |
| 2,2'-Dinitrobiphenyl        | 2436-96-6 | 100 mg     | Neat    | R-025N    |
|                             |           | 100 µg/mL  | Toluene | R-025S    |
| 2,4-Dinitrophenol           | 51-28-5   | 100 mg     | Neat    | R-053N    |
|                             |           | 100 µg/mL  | Toluene | R-053S    |
| 2,4-Dinitrotoluene          | 121-14-2  | 100 mg     | Neat    | R-049N    |
|                             |           | 100 µg/mL  | Toluene | R-049S    |
|                             |           | 100 µg/mL  | MeOH    | APP-9-092 |
|                             |           | 5 mg/mL    | MeOH    | AS-E0033  |
| 2,6-Dinitrotoluene          | 606-20-2  | 100 mg     | Neat    | R-050N    |
|                             |           | 100 µg/mL  | Toluene | R-050S    |
|                             |           | 100 µg/mL  | MeOH    | APP-9-093 |
|                             |           | 5 mg/mL    | MeOH    | AS-E0034  |
| 2-Nitrobiphenyl             | 86-00-0   | 100 mg     | Neat    | R-005N    |
|                             |           | 100 µg/mL  | Toluene | R-005S    |
| 3-Nitrobiphenyl             | 2113-58-8 | 100 mg     | Neat    | R-006N    |
|                             |           | 100 µg/mL  | Toluene | R-006S    |
| 4-Nitrobiphenyl             | 92-93-3   | 100 mg     | Neat    | R-007N    |
|                             |           | 100 µg/mL  | Toluene | R-007S    |
| 2-Nitrophenol               | 88-75-5   | 100 mg     | Neat    | R-051N    |
|                             |           | 100 µg/mL  | Toluene | R-051S    |
| 4-Nitrophenol               | 100-02-7  | 100 mg     | Neat    | R-052N    |
|                             |           | 100 µg/mL  | Toluene | R-052S    |
| 2-Nitrotoluene              | 88-72-2   | 100 mg     | Neat    | R-048N    |
|                             |           | 100 µg/mL  | Toluene | R-048S    |
| s-Triazine                  | 290-87-9  | 10 mg      | Neat    | R-083N    |
|                             |           | 100 µg/mL  | Toluene | R-083S    |
| 2,4,5-Trichloronitrobenzene | 89-69-0   | 100 mg     | Neat    | R-090N    |
|                             |           | 100 µg/mL  | Toluene | R-090S    |

## EU Formulation

### DIN-38407-17 Nitroaromatic Compounds

Scope: Examination of water, wastewater, and sludge for the determination of selected nitroaromatic compounds by Gas-Liquid Chromatography

**DIN38407-17** 1 x 1 mL  
500 µg/mL each in MeOH 12 comps.

Nitrobenzene  
2-Nitrotoluene  
4-Nitrotoluene  
1,3-Dinitrobenzene  
2,6-Dinitrotoluene  
2,4-Dinitrotoluene  
3,4-Dinitrotoluene  
2-Amino-6-nitrotoluene  
4-Amino-2-nitrotoluene  
4-Amino-2,6-dinitrotoluene  
2-Amino-4,6-dinitrotoluene  
2,4,6-Trinitrotoluene

More EPA Methods can be found in our  
EPA Supplement Catalog



# Aliphatic & Aromatic Amines & Derivatives

Aliphatic &amp; Aromatic Amines (Including Anilines) (in 1 mL of solvent, unless otherwise noted)

| ALIPHATIC & AROMATIC AMINES (INCLUDING ANILINES)      | CAS NO.     | QTY./CONC. | MATRIX                          | CAT. NO.            |
|---|-------------|------------|---------------------------------|---------------------|
| 2-Amino-4-nitrotoluene                                | 99-55-8     | 100 µg/mL  | AcCN                            | RAC-03              |
|   |             | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-156           |
|   |             | 5 mg/mL    | MeOH                            | AS-E0344            |
|   |             | 1 mg/mL    | AcCN                            | RAC-03-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-03-EA-0.1X-10ML |
| p-Aminoazobenzene                                     | 60-09-3     | 100 µg/mL  | AcCN                            | RAC-21              |
|   |             | 1000 µg/mL | AcCN                            | RAC-21-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-21-EA-0.1X-10ML |
| o-Aminoazotoluene                                     | 97-56-3     | 100 µg/mL  | AcCN                            | RAC-01              |
|   |             | 1 mg/mL    | AcCN                            | RAC-01-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-01-EA-0.1X-10ML |
| 2-Aminobiphenyl                                       | 90-41-5     | 10 mg      | Neat                            | R-062N              |
|   |             | 100 µg/mL  | Toluene                         | R-062S              |
|   |             | 100 µg/mL  | AcCN                            | RAC-22              |
|   |             | 1000 µg/mL | AcCN                            | RAC-22-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-22-EA-0.1X-10ML |
| 4-Aminobiphenyl                                       | 92-67-1     | 10 mg      | Neat                            | R-063N              |
|   |             | 100 µg/mL  | Toluene                         | R-063S              |
|   |             | 100 µg/mL  | AcCN                            | RAC-02              |
|   |             | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-011           |
|   |             | 1 mg/mL    | MeOH                            | AS-E0578            |
|   |             | 1 mg/mL    | AcCN                            | RAC-02-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-02-EA-0.1X-10ML |
|   |             | Aniline    | 62-53-3                         | 100 mg              |
|   |             | 100 µg/mL  | MeOH                            | APP-9-012           |
|   |             | 1 mg/mL    | MeOH                            | APP-9-012-10X       |
|   |             | 5 mg/mL    | MeOH                            | AS-E0542            |
| Aniline-d <sub>5</sub>                                | 4165-61-1   | 0.2 mg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | M-625-01            |
|   |             | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | M-625-01-10X        |
| o-Anisidine   | 90-04-0     | 100 µg/mL  | AcCN                            | RAC-23              |
|   |             | 1000 µg/mL | AcCN                            | RAC-23-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-23-EA-0.1X-10ML |
| Benzidine (as dihydrochloride)                        |             | 1 mg/mL    | MeOH                            | AS-E0005            |
| Benzidine   | 92-87-5     | 50 µg/mL   | CH <sub>2</sub> Cl <sub>2</sub> | M-625C-1            |
|   |             | 100 µg/mL  | AcCN                            | RAC-04              |
|   |             | 1 mg/mL    | AcCN                            | RAC-04-10X          |
|   |             | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | M-625C-1-40X        |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-04-EA-0.1X-10ML |
| 4-Bromoaniline  | 106-40-1    | 100 mg     | Neat                            | L-007N              |
| 2-Bromo-4,6-dinitroaniline                            | 1817-73-8   | 100 mg     | Neat                            | L-017N              |
| 2-Chloro-4-nitroaniline                               | 121-87-9    | 100 mg     | Neat                            | L-012N              |
| 4-Chloro-2-nitroaniline                               | 89-63-4     | 100 mg     | Neat                            | L-013N              |
| 2-Chloro-4,6-dinitroaniline                           | 3531-19-9   | 100 mg     | Neat                            | L-015N              |
| 4-Chloro-o-toluidine                                  | 95-69-2     | 100 µg/mL  | AcCN                            | RAC-06              |
|   |             | 1 mg/mL    | AcCN                            | RAC-06-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-06-EA-0.1X-10ML |
| 3-Chloro-o-toluidine                                  | 87-60-5     | 100 µg/mL  | AcCN                            | RAC-24              |
|   |             | 1000 µg/mL | AcCN                            | RAC-24-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-24-EA-0.1X-10ML |
| 2-Chloroaniline                                       | 95-51-2     | 100 mg     | Neat                            | L-002N              |
| 3-Chloroaniline                                       | 108-42-9    | 100 mg     | Neat                            | L-003N              |
| 4-Chloroaniline                                       | 106-47-8    | 100 mg     | Neat                            | L-004N              |
|   |             | 100 µg/mL  | MeOH                            | APP-9-038           |
|   |             | 5 mg/mL    | MeOH                            | AS-E0305            |
|   |             | 100 µg/mL  | AcCN                            | RAC-05              |
|   |             | 1 mg/mL    | AcCN                            | RAC-05-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-05-EA-0.1X-10ML |
| p-Cresidine   | 120-71-8    | 100 µg/mL  | AcCN                            | RAC-07              |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-07-EA-0.1X-10ML |
| 2,4-Diaminoaniline sulfate hydrate                    | 123333-56-2 | 100 µg/mL  | Pyridine                        | RAC-08              |
|   |             | 1 mg/mL    | Pyridine                        | RAC-08-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-08-EA-0.1X-10ML |
| 2,4-Diaminotoluene                                    | 95-80-7     | 100 mg     | Neat                            | R-078N              |
|   |             | 100 µg/mL  | Toluene                         | R-078S              |
|   |             | 100 µg/mL  | AcCN                            | RAC-10              |
|   |             | 1 mg/mL    | MeOH                            | AS-E0932            |
|   |             | 1 mg/mL    | AcCN                            | RAC-10-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-10-EA-0.1X-10ML |
| 3,3'-Diaminobenzidine                                 | 91-95-2     | 50 mg      | Neat                            | R-074N              |
|   |             | 100 µg/mL  | Toluene                         | R-074S              |
| 4,4'-Diaminodiphenylmethane (4,4'-Methylenedianiline) | 101-77-9    | 100 mg     | Neat                            | R-077N              |
|   |             | 100 µg/mL  | Toluene                         | R-077S              |
|   |             | 100 µg/mL  | AcCN                            | RAC-09              |
|   |             | 1 mg/mL    | AcCN                            | RAC-09-10X          |
|   |             | 10 µg/mL   | Ethyl acetate                   | RAC-09-EA-0.1X-10ML |
| 2,6-Dibromo-4-nitroaniline                            | 827-94-1    | 100 mg     | Neat                            | L-016N              |
|   |             | 100 mg     | Neat                            | L-014N              |

# Aliphatic & Aromatic Amines & Derivatives

Aliphatic &amp; Aromatic Amines (Including Anilines) (in 1 mL of solvent, unless otherwise noted)

| ALIPHATIC & AROMATIC AMINES (INCLUDING ANILINES) | CAS NO.    | QTY./CONC. | MATRIX                          | CAT. NO.            |
|--|------------|------------|---------------------------------|---------------------|
| 3,3'-Dichlorobenzidine                           | 91-94-1    | 50 mg      | Neat                            | R-075N              |
|  |            | 100 µg/mL  | Toluene                         | R-075S              |
|  |            | 100 µg/mL  | MeOH                            | APP-9-067           |
|  |            | 100 µg/mL  | AcCN                            | RAC-11              |
|  |            | 1 mg/mL    | AcCN                            | RAC-11-10X          |
|  |            | 1 mg/mL    | MeOH                            | AS-E0026            |
|  |            | 2 mg/mL    | MeOH                            | Z-014F-2            |
|  |            | 10 µg/mL   | Ethyl acetate                   | RAC-11-EA-0.1X-10ML |
|  |            |            |                                 |                     |
| 3,4-Dichloroaniline                              | 95-76-1    | 100 mg     | Neat                            | L-005N              |
| 2,6-Dimethylaniline                              | 87-62-7    | 100 mg     | Neat                            | L-018N              |
| 3,3'-Dimethoxybenzidine                          | 119-90-4   | 50 mg      | Neat                            | R-076N              |
|  |            | 100 µg/mL  | Toluene                         | R-076S              |
|  |            | 100 µg/mL  | AcCN                            | RAC-12              |
|  |            | 1 mg/mL    | AcCN                            | RAC-12-10X          |
|  |            | 10 µg/mL   | Ethyl acetate                   | RAC-12-EA-0.1X-10ML |
| 3,3'-Dimethyl-4,4'-diaminodiphenylmethane        | 838-88-0   | 100 µg/mL  | AcCN                            | RAC-14              |
|  |            | 1 mg/mL    | AcCN                            | RAC-14-10X          |
|  |            | 10 µg/mL   | Ethyl acetate                   | RAC-14-EA-0.1X-10ML |
| 3,3'-Dimethylbenzidine                           | 119-93-7   | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-085           |
|  |            | 100 µg/mL  | AcCN                            | RAC-13              |
|  |            | 1 mg/mL    | AcCN                            | RAC-13-10X          |
|  |            | 10 µg/mL   | Ethyl acetate                   | RAC-13-EA-0.1X-10ML |
| 4-Dimethylaminoazobenzene                        | 60-11-7    | 10 mg      | Neat                            | R-079N              |
|  |            | 100 µg/mL  | Toluene                         | R-079S              |
| a,a-Dimethylphenethylamine                       | 122-09-8   | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-086           |
| 2,4-Dinitroaniline                               | 97-02-9    | 100 mg     | Neat                            | L-011N              |
| 3,5-Dinitroaniline                               | 618-87-1   | 0.1 mg/mL  | AcCN:MeOH                       | M-8330-ADD-4        |
| Diphenylamine                                    | 122-39-4   | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-097           |
|  |            | 1 mg/mL    | MeOH                            | M-620               |
|  |            | 5 mg/mL    | MeOH                            | AS-E0263            |
| Ethylenediamine                                  | 107-15-3   | 1 mg/mL    | MeOH                            | AS-E0358            |
| 4-Fluoroaniline                                  | 371-40-4   | 0.2 mg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | M-625-08            |
|  |            | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | M-625-08-10X        |
| 2-Methyl-4-nitroaniline                          | 99-52-5    | 100 µg/mL  | AcCN                            | M-8095-SS-02        |
| 4,4'-Methylenebis(2-chloroaniline)               | 101-14-4   | 50 mg      | Neat                            | R-080N              |
|  |            | 100 µg/mL  | Toluene                         | R-080S              |
|  |            | 100 µg/mL  | AcCN                            | RAC-15              |
|  |            | 1 mg/mL    | AcCN                            | RAC-15-10X          |
|  |            | 10 µg/mL   | Ethyl acetate                   | RAC-15-EA-0.1X-10ML |
|  |            | 5 mg/mL    | MeOH                            | AS-E0322            |
| 2-Naphthylamine                                  | 91-59-8    | 100 µg/mL  | AcCN                            | RAC-16              |
|  |            | 1 mg/mL    | AcCN                            | RAC-16-10X          |
|  |            | 10 µg/mL   | Ethyl acetate                   | RAC-16-EA-0.1X-10ML |
| 2-Nitroaniline                                   | 88-74-4    | 100 mg     | Neat                            | R-054N              |
|  |            | 100 µg/mL  | Toluene                         | R-054S              |
|  |            | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-140           |
|  |            | 5 mg/mL    | MeOH                            | AS-E0324            |
| 3-Nitroaniline                                   | 99-09-2    | 100 mg     | Neat                            | R-055N              |
|  |            | 100 µg/mL  | Toluene                         | R-055S              |
|  |            | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-141           |
| 4-Nitroaniline                                   | 100-01-6   | 100 mg     | Neat                            | R-056N              |
|  |            | 100 µg/mL  | Toluene                         | R-056S              |
|  |            | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-142           |
|  |            | 5 mg/mL    | MeOH                            | AS-E0342            |
|  |            | 5 mg/mL    | AcCN                            | AS-E0392            |
|  |            |            |                                 |                     |
| N-Nitrosodi-n-butylamine                         | 924-16-3   | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-147           |
|  |            | 0.5 mg/mL  | Water                           | M-8015B/5031-20     |
|  |            | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-147-20X       |
| N-Nitrosodi-n-propylamine                        | 621-64-7   | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-151           |
|  |            | 5 mg/mL    | MeOH                            | AS-E0061            |
| N-Nitrosodiphenylamine                           | 86-30-6    | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-150           |
|  |            | 5 mg/mL    | MeOH                            | AS-E0060            |
| N-Nitrosodiethylamine                            | 55-18-5    | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-148           |
|  |            | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-148-20X       |
|  |            | 5 mg/mL    | MeOH                            | AS-E0334            |
| N-Nitrosodimethylamine                           | 62-75-9    | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-149           |
|  |            | 1 mg/mL    | MeOH                            | APP-9-149-M-10X     |
|  |            | 5 mg/mL    | MeOH                            | AS-E0059            |
| N-Nitrosomethylethylamine                        | 10595-95-6 | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-152           |
| N-Nitroso-N-methyl ethylamine (95-98%)           |            | 1 mg/mL    | MeOH                            | AS-E0974            |
| 1-Nitrosopiperidine                              | 100-75-4   | 5 mg/mL    | MeOH                            | AS-E0458            |
| 4,4'-Oxydianiline                                | 101-80-4   | 100 µg/mL  | AcCN                            | RAC-17              |
|  |            | 1 mg/mL    | AcCN                            | RAC-17-10X          |
|  |            | 10 µg/mL   | Ethyl acetate                   | RAC-17-EA-0.1X-10ML |
| p-Phenylenediamine                               | 106-50-3   | 100 µg/mL  | MeOH                            | APP-9-180           |
|  |            | 1 mg/mL    | AcCN                            | AS-E0275            |
|  |            | 2 mg/mL    | MeOH                            | APP-9-180-20X       |
| 1-Propanamine                                    | 107-10-8   | 1 mg/mL    | MeOH                            | AS-E0657            |
| Pyridine-d <sub>5</sub>                          | 7291-22-7  | 0.2 mg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | M-625-15            |
| 3,3',5,5'-Tetramethylbenzidine                   |            | 1 mg/mL    | AcCN                            | RAC-IS              |
|  |            | 1 mg/mL    | Ethyl acetate                   | RAC-IS-EA           |
| 4,4'-Thiodianiline                               | 139-65-1   | 100 µg/mL  | AcCN                            | RAC-18              |
|  |            | 1 mg/mL    | AcCN                            | RAC-18-10X          |
|  |            | 10 µg/mL   | Ethyl acetate                   | RAC-18-EA-0.1X-10ML |

# Aliphatic & Aromatic Amines & Derivatives

Aliphatic &amp; Aromatic Amines (Including Anilines) (in 1 mL of solvent, unless otherwise noted)

| ALIPHATIC & AROMATIC AMINES (INCLUDING ANILINES) | CAS NO.       | QTY./CONC.          | MATRIX        | CAT. NO.            |
|--|---------------|---------------------|---------------|---------------------|
| o-Toluidine                                      | 95-53-4       | 100 µg/mL           | MeOH          | APP-9-199           |
|  |               | 100 µg/mL           | AcCN          | RAC-19              |
|  |               | 1 mg/mL             | AcCN          | RAC-19-10X          |
|  |               | 2 mg/mL             | MeOH          | AS-E0503            |
|  |               | 10 mg/mL            | Water         | M-8015B/5031-27     |
| 10 µg/mL   | Ethyl acetate | RAC-19-EA-0.1X-10ML |               |                     |
| 2,4,5-Trichloroaniline                           | 636-30-6      | 100 mg              | Neat          | L-006N              |
| 2,4,5-Trimethylaniline                           | 137-17-7      | 100 µg/mL           | AcCN          | RAC-20              |
|  |               | 1 mg/mL             | AcCN          | RAC-20-10X          |
|  |               | 10 µg/mL            | Ethyl acetate | RAC-20-EA-0.1X-10ML |

## EU Formulations

### DIN-38407-16 Aniline Derivatives

Scope: Examination of water, wastewater, and sludge for the determination of aniline derivatives by GC

**DIN38407-16** **1 x 1 mL**  
 500 µg/mL each in MeOH 17 comps.

4-Bromoaniline  
 2-Chloroaniline  
 3-Chloroaniline  
 4-Chloroaniline  
 3-Chloro-4-fluoroaniline  
 3-Chloro-4-methylaniline  
 4-Chloro-2-nitroaniline  
 3,4-Dichloroaniline  
 3,3'-Dichlorobenzidine  
 2,6-Diethylaniline  
 2,6-Dimethylaniline  
 N,N-Dimethylaniline  
 4-Isopropylaniline  
 2-Methyl-6-ethylaniline  
 2-Methylaniline  
 2,4,5-Trichloroaniline  
 3-Trifluoromethylaniline

### Aryl Amine Multi-Comp. Solution

**AE-00049** **1 mL**  
 10 µg/mL each in Ethyl acetate 24 comps.

o-Aminoazotoluene  
 4-Aminobiphenyl  
 2-Amino-4-nitrotoluene  
 Benzidine  
 4-Chloroaniline  
 4-Chloro-o-toluidine  
 p-Cresidine  
 2,4-Diaminoanisole \*  
 4,4'-Diaminodiphenylmethane  
 2,4-Diaminotoluene  
 3,3'-Dichlorobenzidine  
 3,3'-Dimethoxybenzidine  
 3,3'-Dimethylbenzidine  
 3,3'-Dimethyl-4,4'-diaminodiphenylmethane  
 4,4'-Methylenebis(2-chloroaniline)  
 2-Naphthylamine  
 4,4'-Oxydianiline  
 4,4'-Thiodianiline  
 o-Toluidine  
 2,4,5-Trimethylaniline  
 p-Aminoazobenzene  
 2-Aminobiphenyl  
 o-Anisidine  
 3-Chloro-o-toluidine

\* In form of the Sulfate hydrate 17.1 µg/mL in MeOH (10 µg/mL as the base)

### Method 8131 Aniline & Selected Derivatives by GC/NPD, GC/AFD, GC/TSD

**M-8131** **1 x 1 mL**  
 1.0 mg/mL each in Toluene 19 comps.

Aniline  
 4-Bromoaniline  
 2-Bromo-6-chloro-4-nitroaniline  
 2-Bromo-4,6-dinitroaniline  
 2-Chloroaniline  
 3-Chloroaniline  
 4-Chloroaniline  
 2-Chloro-4,6-dinitroaniline  
 2-Chloro-4-nitroaniline  
 4-Chloro-2-nitroaniline  
 2,6-Dibromo-4-nitroaniline  
 3,4-Dichloroaniline  
 2,6-Dichloro-4-nitroaniline  
 2,4-Dinitroaniline  
 2-Nitroaniline  
 3-Nitroaniline  
 4-Nitroaniline  
 2,4,6-Trichloroaniline  
 2,4,5-Trichloroaniline

### Kit for Qualitative Analysis & Identification

#### Primary Amines

**PS-311C** **15 units**

Neat at the stated quantities.

|                            |        |
|----------------------------|--------|
| (01) n-Butylamine          | 2 mL   |
| (02) iso-Butylamine        | 2 mL   |
| (03) sec-Butylamine        | 2 mL   |
| (04) tert-Butylamine       | 2 mL   |
| (05) n-Amylamine           | 2 mL   |
| (06) iso-Amylamine         | 2 mL   |
| (07) n-Hexylamine          | 2 mL   |
| (08) Cyclohexylamine       | 2 mL   |
| (09) Benzylamine           | 2 mL   |
| (10) n-Heptylamine         | 2 mL   |
| (11) n-Octylamine          | 2 mL   |
| (12) n-Decylamine          | 2 mL   |
| (13) n-Dodecylamine        | 1.5 g  |
| (14) n-Tetradecylamine     | 1.5 g  |
| (15) Amines Mixture PS-31C | 2 mL   |
| At the stated weight %     |        |
| n-Propylamine              | 21.57% |
| n-Butylamine               | 24.80% |
| n-Hexylamine               | 53.63% |

#### Calibration Mixture

**PS-31C** **1 x 2 mL**

Neat at the stated weight % listed above

# Nitrogen Containing Compounds

Nitrogen Containing Compounds (in 1 mL of solvent, unless otherwise noted)

| NITROGEN CONTAINING COMPOUNDS        | CAS NO.    | QTY./CONC. | MATRIX                          | CAT. NO.        |
|--------------------------------------|------------|------------|---------------------------------|-----------------|
| Azobenzene                           | 103-33-3   | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | Z-014B-1        |
| 2-Chloronitrobenzene                 | 88-73-3    | 100 mg     | Neat                            | R-017N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-017S          |
| 2,3-Dichloronitrobenzene             | 3209-22-1  | 100 mg     | Neat                            | R-086N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-086S          |
| 2,4-Dichloronitrobenzene             | 611-06-3   | 100 mg     | Neat                            | R-087N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-087S          |
| 4-Chloronitrobenzene                 | 100-00-5   | 100 mg     | Neat                            | R-018N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-018S          |
| 2,5-Dichloronitrobenzene             | 89-61-2    | 100 mg     | Neat                            | R-088N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-088S          |
| 2,2'-Dinitrobiphenyl                 | 2436-96-6  | 100 mg     | Neat                            | R-025N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-025S          |
| 2,4-Dinitrophenol                    | 51-28-5    | 100 mg     | Neat                            | R-053N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-053S          |
| 2,4-Dinitrotoluene                   | 121-14-2   | 100 mg     | Neat                            | R-049N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-049S          |
|                                      |            | 100 µg/mL  | MeOH                            | APP-9-092       |
|                                      |            | 5 mg/mL    | MeOH                            | AS-E0033        |
| 2,6-Dinitrotoluene                   | 606-20-2   | 100 mg     | Neat                            | R-050N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-050S          |
|                                      |            | 100 µg/mL  | MeOH                            | APP-9-093       |
|                                      |            | 5 mg/mL    | MeOH                            | AS-E0034        |
| N-methyl-N'-nitro-N-nitrosoguanidine |            | 50 mg      | Neat                            | R-081N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-081S          |
| 2-Nitrobiphenyl                      | 86-00-0    | 100 mg     | Neat                            | R-005N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-005S          |
| 3-Nitrobiphenyl                      | 2113-58-8  | 100 mg     | Neat                            | R-006N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-006S          |
| 4-Nitrobiphenyl                      | 92-93-3    | 100 mg     | Neat                            | R-007N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-007S          |
| 2-Nitrophenol                        | 88-75-5    | 100 mg     | Neat                            | R-051N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-051S          |
| 4-Nitrophenol                        | 100-02-7   | 100 mg     | Neat                            | R-052N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-052S          |
| 2-Nitrotoluene                       | 88-72-2    | 100 mg     | Neat                            | R-048N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-048S          |
| Pyridine                             | 110-86-1   | 100 µg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-186       |
|                                      |            | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | APP-9-186-20X   |
|                                      |            | 2 mg/mL    | MeOH                            | APP-9-186-M-20X |
|                                      |            | 5 mg/mL    | MeOH                            | AS-E0271        |
|                                      |            | 10 mg/mL   | Water                           | M-8015B/5031-26 |
| 2,3,4,5-Tetrachloronitrobenzene      | 879-36-0   | 100 mg     | Neat                            | R-091N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-091S          |
| 2,3,5,6-Tetrachloronitrobenzene      | 117-18-0   | 100 mg     | Neat                            | R-092N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-092S          |
| s-Triazine                           | 290-87-9   | 10 mg      | Neat                            | R-083N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-083S          |
| 2,3,4-Trichloronitrobenzene          | 17700-09-3 | 100 mg     | Neat                            | R-089N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-089S          |
| 2,4,5-Trichloronitrobenzene          | 89-69-0    | 100 mg     | Neat                            | R-090N          |
|                                      |            | 100 µg/mL  | Toluene                         | R-090S          |

# Halogenated Aromatics (other than PCBs)

Halogenated Aromatics (other than PCBs) (in 1 mL of solvent, unless otherwise noted)

Halogenated Aromatics

| HALOGENATED AROMATICS (OTHER THAN PCBs) | CAS NO.    | QTY./CONC. | MATRIX                          | CAT. NO.        |
|---|------------|------------|---------------------------------|-----------------|
| Decafluorobiphenyl                      | 434-90-2   | 10 µg/mL   | Acetone                         | M-551.1-SS      |
|   |            | 0.1 mg/mL  | AcCN                            | M-8310-SS       |
|   |            | 0.2 mg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | M-625-04        |
|   |            | 1 mg/mL    | Acetone                         | M-551.1-SS-100X |
|   |            | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | M-625-04-10X    |
| 4,4'-Dibromobiphenyl                    | 92-86-4    | 0.1 mg/mL  | Ethyl acetate                   | M-508.1-SS      |
|   |            | 0.2 mg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | M-625-05        |
|   |            | 1 mg/mL    | Acetone                         | M-8111-IS-20X   |
|   |            | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | M-625-05-10X    |
| 4,4'-Dibromooctafluorobiphenyl          | 10386-84-2 | 0.2 mg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | M-625-06        |
|   |            | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | M-625-06-10X    |
| 2,2'-Difluorobiphenyl                   | 388-82-9   | 0.2 mg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | M-625-07        |
|   |            | 1 mg/mL    | MeOH                            | M-1653-IIS      |
|   |            | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | M-625-07-10X    |
|   |            | 5 mg/mL    | Acetone                         | M-1653-IIS-R    |
| 2-Fluorobiphenyl                        | 321-60-8   | 0.2 mg/mL  | CH <sub>2</sub> Cl <sub>2</sub> | M-625-09        |
|   |            | 2 mg/mL    | CH <sub>2</sub> Cl <sub>2</sub> | M-625-09-10X    |
| Halowax 1000                            | 58718-66-4 | 5 mg/mL    | MeOH                            | AS-E0472        |
|   |            | 0.1 mg/mL  | MeOH                            | N-1000S         |
| Halowax 1001                            | 58718-67-5 | 0.1 mg/mL  | MeOH                            | N-1001S         |
|   |            | 5 mg/mL    | MeOH                            | AS-E0471        |
| Halowax 1013                            | 1321-64-8  | 0.1 mg/mL  | MeOH                            | N-1013S         |
| Halowax 1014                            | 1335-87-1  | 0.1 mg/mL  | MeOH                            | N-1014S         |
| Halowax 1051                            |            | 0.1 mg/mL  | MeOH                            | N-1051S         |
| Halowax 1099                            | 39450-05-0 | 0.1 mg/mL  | MeOH                            | N-1099S         |
|   |            | 5 mg/mL    | MeOH                            | AS-E0470        |
| 1,2,3,4,5,6,7,8-Octachloronaphthalene   | 2234-13-1  | 25 mg      | Neat                            | N-003N          |
|   |            | 100 µg/mL  | MeOH                            | N-003S          |
| Tetradecachloro-o-terphenyl             |            | 35 µg/mL   | Toluene                         | T-004S          |
| Tetradecachloro-m-terphenyl             |            | 35 µg/mL   | Toluene                         | T-005S          |
| Tetradecachloro-p-terphenyl             |            | 35 µg/mL   | Toluene                         | T-006S          |



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|                  |                  |                 |                  |               |
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