

Proficiency Testing - Volatiles, priority pollutant

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| Art. ID | ERA-830 |
| Unit | 2 mL |
| Deliverydetails | ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1230 (6.1) II E2 |

Description

One 2 mL flame-sealed ampule yields in excess of 200 mL after dilution. Contains a subset of the analytes listed below at 5-300 µg/L.

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|------------------|-----------------------------|------------|---------------------|------|--------|--------|
| | 1,1,1,2-Tetrachloroethane | [630-20-6] | 15 - 150 | µg/L | | |
| | 1,1,2,2-Tetrachloroethane | [79-34-5] | 15 - 150 | µg/L | | |
| | 1,1,2-Trichloroethane | [79-00-5] | 15 - 150 | µg/L | | |
| | 1,1-Dichloroethane | [75-34-3] | 10 - 150 | µg/L | | |
| | 1,1-Dichloroethene | [75-35-4] | 10 - 150 | µg/L | | |
| | 1,2,3-Trichloropropane | [96-18-4] | 15 - 150 | µg/L | | |
| | 1,2,4-Trichlorobenzene | [120-82-1] | 15 - 150 | µg/L | | |
| | 1,2,4-Trimethylbenzene | [95-63-6] | 10 - 120 | µg/L | | |
| | 1,2-Dibromo-3-chloropropane | [96-12-8] | 15 - 150 | µg/L | | |
| | 1,2-Dibromoethane | [106-93-4] | 10 - 120 | µg/L | | |
| | 1,2-Dichlorobenzene | [95-50-1] | 10 - 120 | µg/L | | |
| | 1,2-Dichloroethane | [107-06-2] | 15 - 150 | µg/L | | |
| | 1,2-Dichloropropane | [78-87-5] | 10 - 150 | µg/L | | |
| | 1,3,5-Trimethylbenzene | [108-67-8] | 10 - 120 | µg/L | | |
| | 1,3-Dichlorobenzene | [541-73-1] | 10 - 120 | µg/L | | |
| | 1,4-Dichlorobenzene | [106-46-7] | 10 - 120 | µg/L | | |
| | 2-Butanone | [78-93-3] | 5 - 200 | µg/L | | |
| | 2-Chloroethylvinylether | [110-75-8] | 5 - 200 | µg/L | | |
| | 2-Hexanone | [591-78-6] | 20 - 200 | µg/L | | |
| | 4-Methyl-2-pentanone | [108-10-1] | 20 - 200 | µg/L | | |
| | Acetone | [67-64-1] | 20 - 200 | µg/L | | |
| | Acetonitrile | [75-05-8] | 5 - 200 | µg/L | | |
| | Acrolein | [107-02-8] | 5 - 200 | µg/L | | |
| | Acrylonitrile | [107-13-1] | 5 - 200 | µg/L | | |
| | Benzene | [71-43-2] | 10 - 120 | µg/L | | |
| | Bromodichloromethane | [75-27-4] | 10 - 100 | µg/L | | |

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| Bromoform (Tribromomethane) | [75-25-2] | 10 - 100 | µg/L |
| Carbon disulfide | [75-15-0] | 5 - 200 | µg/L |
| Chlorobenzene | [108-90-7] | 10 - 120 | µg/L |
| Chlorodibromomethane | [124-48-1] | 10 - 100 | µg/L |
| Chloroethane | [75-00-3] | 20 - 120 | µg/L |
| Chloroform (Trichloromethane) | [67-66-3] | 10 - 100 | µg/L |
| Chloromethane | [74-87-3] | 20 - 120 | µg/L |
| Dibromomethane | [74-95-3] | 10 - 120 | µg/L |
| Ethylbenzene | [100-41-4] | 10 - 120 | µg/L |
| Hexachloro-1,3-butadiene | [87-68-3] | 50 - 200 | µg/L |
| Methylene chloride (Dichloromethane) | [75-09-2] | 10 - 120 | µg/L |
| Naphthalene | [91-20-3] | 15 - 150 | µg/L |
| Styrene | [100-42-5] | 20 - 120 | µg/L |
| Tetrachloroethene | [127-18-4] | 10 - 150 | µg/L |
| Toluene | [108-88-3] | 10 - 120 | µg/L |
| Trichloroethene | [79-01-6] | 10 - 100 | µg/L |
| Vinyl acetate | [108-05-4] | 5 - 200 | µg/L |
| Vinyl chloride | [75-01-4] | 20 - 120 | µg/L |
| Xylenes, total | [108-38-3]/[106-42-3]/[95-47-6] | 20 - 300 | µg/L |
| cis-1,2-Dichloroethene | [156-59-2] | 10 - 150 | µg/L |
| cis-1,3-Dichloropropene | [10061-01-5] | 10 - 120 | µg/L |
| m and p-Xylene | [108-38-3]/[106-42-3] | 10 - 150 | µg/L |
| o-Xylene | [95-47-6] | 10 - 150 | µg/L |
| Methyl-tert.butylether (MTBE) | [1634-04-4] | 15 - 150 | µg/L |
| trans-1,2-Dichloroethene | [156-60-5] | 10 - 120 | µg/L |
| trans-1,3-Dichloropropene | [10061-02-6] | 10 - 120 | µg/L |
| Bromobenzene | [108-86-1] | 5 - 200 | µg/L |
| n-Butylbenzene | [104-51-8] | 5 - 200 | µg/L |

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| sec-Butylbenzene | [135-98-8] | 5 - 200 | µg/L |
| tert.-Butylbenzene | [98-06-6] | 5 - 200 | µg/L |
| 2-Chlorotoluene | [95-49-8] | 5 - 200 | µg/L |
| 4-Chlorotoluene | [106-43-4] | 5 - 200 | µg/L |
| 1,3-Dichloropropane | [142-28-9] | 5 - 200 | µg/L |
| 2,2-Dichloropropane | [594-20-7] | 5 - 200 | µg/L |
| 1,1-Dichloropropene | [563-58-6] | 5 - 200 | µg/L |
| Hexachloroethane | [67-72-1] | 50 - 200 | µg/L |
| Isopropylbenzene (Cumol) | [98-82-8] | 5 - 200 | µg/L |
| 4-Isopropyltoluene | [99-87-6] | 5 - 200 | µg/L |
| Nitrobenzene | [98-95-3] | 20 - 200 | µg/L |
| n-Propylbenzene | [103-65-1] | 5 - 200 | µg/L |
| 1,2,3-Trichlorobenzene | [87-61-6] | 5 - 200 | µg/L |