

## **Proficiency Testing - Volatiles, priority pollutant**

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]	5 - 300	µg/L		
	1,1,2,2-Tetrachloroethane	[79-34-5]	5 - 300	µg/L		
	1,1,2-Trichloroethane	[79-00-5]	5 - 300	µg/L		
	1,1-Dichloroethane	[75-34-3]	5 - 300	µg/L		
	1,1-Dichloroethene	[75-35-4]	5 - 300	µg/L		
	1,2,3-Trichloropropane	[96-18-4]	5 - 300	µg/L		
	1,2,4-Trichlorobenzene	[120-82-1]	5 - 300	µg/L		
	1,2,4-Trimethylbenzene	[95-63-6]	5 - 300	µg/L		
	1,2-Dibromo-3-chloropropane	[96-12-8]	5 - 300	µg/L		
	1,2-Dibromoethane	[106-93-4]	5 - 300	µg/L		
	1,2-Dichlorobenzene	[95-50-1]	5 - 300	µg/L		
	1,2-Dichloroethane	[107-06-2]	5 - 300	µg/L		
	1,2-Dichloropropane	[78-87-5]	5 - 300	µg/L		
	1,3,5-Trimethylbenzene	[108-67-8]	5 - 300	µg/L		
	1,3-Dichlorobenzene	[541-73-1]	5 - 300	µg/L		
	1,4-Dichlorobenzene	[106-46-7]	5 - 300	µg/L		
	2-Butanone	[78-93-3]	5 - 300	µg/L		
	2-Chloroethylvinylether	[110-75-8]	5 - 300	µg/L		
	2-Hexanone	[591-78-6]	5 - 300	µg/L		
	4-Methyl-2-pentanone	[108-10-1]	5 - 300	µg/L		
	Acetone	[67-64-1]	5 - 300	µg/L		
	Acetonitrile	[75-05-8]	5 - 300	µg/L		
	Acrolein	[107-02-8]	5 - 300	µg/L		
	Acrylonitrile	[107-13-1]	5 - 300	µg/L		
	Benzene	[71-43-2]	5 - 300	µg/L		
	Bromodichloromethane	[75-27-4]	5 - 300	µg/L		

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

Bromobenzene	[108-86-1]	5 - 300	µg/L
n-Butylbenzene	[104-51-8]	5 - 300	µg/L
sec-Butylbenzene	[135-98-8]	5 - 300	µg/L
tert.-Butylbenzene	[98-06-6]	5 - 300	µg/L
2-Chlorotoluene	[95-49-8]	5 - 300	µg/L
4-Chlorotoluene	[106-43-4]	5 - 300	µg/L
1,3-Dichloropropane	[142-28-9]	5 - 300	µg/L
2,2-Dichloropropane	[594-20-7]	5 - 300	µg/L
1,1-Dichloropropene	[563-58-6]	5 - 300	µg/L
Hexachloroethane	[67-72-1]	5 - 300	µg/L
Isopropylbenzene (Cumol )	[98-82-8]	5 - 300	µg/L
4-Isopropyltoluene	[99-87-6]	5 - 300	µg/L
Nitrobenzene	[98-95-3]	5 - 300	µg/L
n-Propylbenzene	[103-65-1]	5 - 300	µg/L
1,2,3-Trichlorobenzene	[87-61-6]	5 - 300	µg/L