



Technical Note

Low Velocity Sampling Rates for Environmental Sampling Using ULTRA Passive Samplers

Chemicals*	Low Velocity (<5 cm/sec) Sampling Rate (ml/min)
1,1,1-Trichloroethane	9.40
1,1,2,2-Tetrachloroethane	9.98
1,1,2-Trichloroethane	9.64
1,1-Dichloroethane	9.25
1,1-Dichloroethylene	9.74
1,2,4-Trimethylbenzene	9.92
1,2-Dibromoethane	9.06
1,2-Dichlorobenzene	10.70
1,2-Dichloroethylene	11.50
1,2-Dichloroethane	11.79
1,2-Dichloropropane	10.44
1,2,3-Trichloropropane	6.1
1,3,5-Trimethylbenzene	7.29
1,3-butadiene	10.41
1,4-Dichlorobenzene	10.74
1,4-Dioxane	8.64
t-Butyl Ethyl Ether	9.725
4-t-Butyl Toluene	4.01
4-Ethyltoluene	3.95
Acetone	12.60
Acrylonitrile	18.76
alpha-Pinene	7.06
t-Amyl Methyl Ether	10.96
Benzene	10.70
Bromodichloromethane	8.57
Bromoform	9.43
1-Bromopropane	8.47
n-Butyl Acetate	10.40
Butyl Acrylate	8.23
Carbon Tetrachloride	10.41
3-Carene	6.83
Chlorobenzene	5.98
Chloroform	10.14
3-Chlorostyrene	5.15
cis-1,2-Dichloroethene	11.54
cis-1,3-Dichloropropene	6.74
Cumene	8.97
Cyclohexane	7.76

* The compounds in bold have a partial or full validation.

Cyclohexanone	8.13
Decane	4.96
DIBK	6.34
Dibromochloromethane	7.58
Ethanol	11.7
Ethyl acetate	9.26
Ethyl Acrylate	7.61
Ethyl Benzene	9.02
Ethyl Methacrylate	8.96
2-Ethyltoluene	6.59
4-Ethyltoluene	8.34
3-Ethyltoluene	5.29
Heptane	9.38
Hexafluorobenzene	7.77
Hexane	9.59
2-Hexanone	6.46
Isopropyl acetate	9.57
Isopentane	8.41
Isopropyl alcohol	10.17
Limonene	5.55
Methyl Acrylate	13.01
Methy tert-butyl ether	9.84
Methyl Butyl Ketone (2-Hexanone)	6.46
Methyl Cyclohexanol	4.97
Methyl ethyl ketone	6.27
Methyl Isobutyl Ketone	7.29
Methylcyclohexane	8.89
Methylene Chloride	10.29
Methyl Methacrylate	9.52
Monochlorotoluene (OX SOL 10)	6.22
m-Xylene	7.78
Napthalene	2.71
n-Butyl Acetate	10.35
Nonane	6.55
n-Propylbenzene	6.41
Octafluorotoluene	9.32
Octane	8.58
p-Chlorobenzotrifluoride (OX SOL 100)	7.30
o-Xylene	8.11
Pentane	10.71
p-Xylene	8.42
Styrene	9.04
Tetrachloroethylene (PCE)	10.00
Tetrahydrofuran	10.30
Toluene	8.90
trans 1,2-dichloroethene	10.20
trans-1,3-Dichloropropene	6.62
1,2,4-Trichlorobenzene	4.6
Trichloroethylene (TCE)	11.47
Trifluoromethylbenzne (Oxsol 2000)	7.35
Vinyl acetate	11.40
Vinyl Chloride	17.35

* The compounds in bold have a partial or full validation.

Notice: This publication is intended for general information only and should not be used as a substitute for reviewing applicable government regulations, equipment operating instructions, or legal standards. The information contained in this document should not be construed as legal advice or opinion nor as a final authority on legal or regulatory procedures.