

# TECH NOTES



## 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
1,1,1,2-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
<b>4-t-Butyl toluene</b>	4.01
4-Ethyltoluene	3.95
<b>Acetone</b>	12.60
<b>Acrylonitrile</b>	18.76
<b>alpha-Pinene</b>	7.06
<b>t-Amyl methyl ether</b>	10.96
<b>Benzene</b>	10.70
Bromodichloromethane	8.57
Bromoform	9.43
<b>1-Bromopropane</b>	8.47
<b>n-Butyl acetate</b>	10.40
<b>Butyl acrylate</b>	8.23
<b>Carbon tetrachloride</b>	10.41
<b>3-Carene</b>	6.83
<b>Chlorobenzene</b>	5.98

\* 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.

Publication 1811 Rev 2020.07

[www.skcinc.com](http://www.skcinc.com)

SKC Inc. SKC South SKC Gulf Coast SKC West  
724-941-9701 434-352-7149 281-859-8050 714-992-2780

<b>Chloroform</b>	10.14
3-Chlorostyrene	5.15
<b>cis-1,2-Dichloroethene</b>	11.54
<b>cis-1,3-Dichloropropene</b>	6.74
<b>Cumene</b>	8.97
<b>Cyclohexane</b>	7.76
<b>Cyclohexanone</b>	8.13
Decane	4.96
<b>DIBK</b>	6.34
Dibromochloromethane	7.58
<b>Ethanol</b>	11.7
<b>Ethyl acetate</b>	9.26
<b>Ethyl acrylate</b>	7.61
<b>Ethyl benzene</b>	9.02
<b>Ethyl methacrylate</b>	8.96
2-Ethyltoluene	6.59
4-Ethyltoluene	8.34
3-Ethyltoluene	5.29
<b>Heptane</b>	9.38
Hexafluorobenzene	7.77
<b>Hexane</b>	9.59
<b>2-Hexanone</b>	6.46
Isopropyl acetate	9.57
Isopentane	8.41
<b>Isopropyl alcohol</b>	10.17
Limonene	5.55
<b>Methyl acrylate</b>	13.01
<b>Methy tert-butyl ether</b>	9.84
<b>Methyl butyl ketone (2-hexanone)</b>	6.46
<b>Methyl cyclohexanol</b>	4.97
<b>Methyl ethyl ketone</b>	6.27
<b>Methyl isobutyl ketone</b>	7.29
<b>Methylcyclohexane</b>	8.89
<b>Methylene chloride</b>	10.29
Methyl methacrylate	9.52
<b>Monochlorotoluene (Oxsol 10)</b>	6.22
<b>m-Xylene</b>	7.78
Napthalene	2.71
<b>n-Butyl acetate</b>	10.35
<b>Nonane</b>	6.55
n-Propylbenzene	6.41
Octafluorotoluene	9.32
<b>Octane</b>	8.58
<b>p-Chlorobenzotrifluoride (Oxsol 100)</b>	7.30
<b>o-Xylene</b>	8.11
<b>Pentane</b>	10.71
<b>p-Xylene</b>	8.42
<b>Styrene</b>	9.04

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

<b>Tetrachloroethylene (PCE)</b>	10.00
<b>Tetrahydrofuran</b>	10.30
<b>Toluene</b>	8.90
<b>trans 1,2-Dichloroethene</b>	10.20
<b>trans-1,3-Dichloropropene</b>	6.62
1,2,4-Trichlorobenzene	4.6
<b>Trichloroethylene (TCE)</b>	11.47
<b>Trifluoromethylbenzene (Oxsol 2000)</b>	7.35
<b>Vinyl acetate</b>	11.40
Vinyl chloride	17.35

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