

VOLATILE ORGANIC ANALYSIS
8260 LIST

TARGET COMPOUND DETECTION AND QUANTITATION LIMITS (Continued)

TARGET COMPOUND	LIMIT CONCENTRATION (µg/L in water; µg/kg in soil)					
	QL			MDL		
	Water	Soil(L)	Soil(M)	Water	Soil(L)	Soil(M)
cis-1,3-Dichloropropene ^{UMN}	5	5	625	1	0.8	100
trans-1,3-Dichloropropene ^{UMN}	5	5	625	1	1	125
Diethyl ether ^{UN}	10	10	1250	2	2	250
Ethyl benzene ^{UMN}	5	5	625	0.8	2	250
Ethyl methacrylate ^{U*N}	10	10	1250	2	2	250
Hexachlorobutadiene ^{U*N}	5	5	625	1	1	125
Hexachloroethane ^{UN}	10	10	1250	2	2	250
2-Hexanone (MBK) ^{UN}	10	10	1250	3	1.5	190
Methylene chloride ^{UMN}	5	5	625	2	2	250
Methyl methacrylate ^{UN}	10	10	1250	2	2	250
4-Methyl-2-pentanone (MIBK) ^{UMN}	10	10	1250	5	1	125
Naphthalene ^{U*N}	5	5	625	1	1	125
2-Nitropropane ^{UN}	10	10	1250	2	2	250
Pentachloroethane ^{UN}	10	10	1250	2	2	250
i-Propylbenzene ^{UN}	5	5	625	0.9	1	125
n-Propylbenzene ^{UN}	5	5	625	1	1	125
4-i-Propyltoluene ^{UN}	5	5	625	1	1	125
Styrene ^{UMN}	5	5	625	1	1	125
Tertiary butyl methyl ether (TBME) ^{UMN}	5	5	625	1	1	125
1,1,1,2-Tetrachloroethane ^{UN}	5	5	625	1	1	125
1,1,2,2-Tetrachloroethane ^{UMN}	5	5	625	1	1	125
Tetrachloroethene ^{UMN}	5	5	625	1	1	125
Tetrahydrofuran ^{UN}	100	100	12500	20	20	2500
Toluene ^{UMN}	5	5	625	1	1	125
1,2,3-Trichlorobenzene ^{U*N}	5	5	625	1	1	125
1,2,4-Trichlorobenzene ^{U*N}	5	5	625	1	1	125
1,1,1-Trichloroethane ^{UMN}	5	5	625	0.8	0.8	100
1,1,2-Trichloroethane ^{UMN}	5	5	625	1	0.8	100
Trichloroethene ^{UMN}	5	5	625	1	1	125
Trichlorofluoromethane ^{UMN}	5	5	625	1.5	1.5	190
1,2,3-Trichloropropane ^{UN}	10	10	1250	1	1	125
1,2,4-Trimethylbenzene ^{UN}	5	5	625	1	1	125
1,3,5-Trimethylbenzene ^{UN}	5	5	625	1	1	125
Vinyl chloride ^{UMN}	10	10	1250	1	0.8	100
Xylene (ortho) ^{UMN}	5	5	625	0.8	1	125
Xylene (total meta and para) ^{UMN}	5	5	625	1.5	1.5	190

Key: **QL** = Quantitation Limit, **MDL** = Method Detection Limit,
U = Accredited to ISO 17025 **M** = Accredited to MCERTS Standard
U* = Waters only Accredited to ISO 17025 **N** = Waters only Accredited to New Jersey Standard
Limit concentrations quoted are for purging of a 5ml sample for GC/MS analysis.

Date revised: November 2006

VOLATILE ORGANIC ANALYSIS
624 LIST

TARGET COMPOUND DETECTION AND QUANTITATION LIMITS

TARGET COMPOUND	LIMIT CONCENTRATION (µg/L in water; µg/kg in soil)					
	QL			MDL		
	Water	Soil(L)	Soil(M)	Water	Soil(L)	Soil(M)
Acetone ^{UN}	10	10	1250	10	5	625
Benzene ^{UMN}	5	5	625	0.8	0.8	100
Bromodichloromethane ^{UMN}	5	5	625	1	0.5	65
Bromoform ^{UMN}	5	5	625	1	1	125
Bromomethane ^{UMN}	10	10	1250	1	1	125
Butanone (MEK) ^{UN}	10	10	1250	10	5	625
Carbon disulphide ^{UMN}	5	5	625	0.8	2	250
Carbon tetrachloride ^{UMN}	5	5	625	1	1	125
Chlorobenzene ^{UMN}	5	5	625	0.8	1	125
Chloroethane ^{UMN}	10	10	1250	1	1.3	160
Chloroform ^{UMN}	5	5	625	0.8	1	125
Chloromethane ^{UMN}	10	10	1250	1	1	125
cis-1,2-Dichloroethene ^{UMN}	5	5	625	1	1	125
cis-1,3-Dichloropropene ^{UMN}	5	5	625	1	0.8	100
Dibromochloromethane ^{UMN}	5	5	625	1	3	375
1,1-Dichloroethane ^{UMN}	5	5	625	1	1.1	140
1,2-Dichloroethane ^{UMN}	5	5	625	1	1	125
1,1-Dichloroethene ^{UMN}	5	5	625	1	2	250
1,2-Dichloropropane ^{UMN}	5	5	625	1	0.8	100
Ethyl benzene ^{UMN}	5	5	625	0.8	2	250
Freon 113 ^{UMN}	5	5	625	1.5	1.5	190
2-Hexanone (MBK) ^{UN}	10	10	1250	3	1.5	190
Methylene Chloride ^{UMN}	5	5	625	2	2	250
4-Methyl-2-pentanone (MIBK) ^{UMN}	10	10	1250	5	1	125
Styrene ^{UMN}	5	5	625	1	1	125
1,1,2,2-Tetrachloroethane ^{UMN}	5	5	625	1	1	125
Tetrachloroethene ^{UMN}	5	5	625	1	1	125
Tertiary butyl methyl ether ^{UMN}	5	5	625	1	1	125
1,1,1-Trichloroethane ^{UMN}	5	5	625	0.8	0.8	100
1,1,2-Trichloroethane ^{UMN}	5	5	625	1	0.8	100
Toluene ^{UMN}	5	5	625	1	1	125
trans-1,2-Dichloroethene ^{UMN}	5	5	625	1	1	125
trans-1,3-Dichloropropene ^{UMN}	5	5	625	1	1	125
Trichloroethene ^{UMN}	5	5	625	1	1	125
Trichlorofluoromethane ^{UMN}	5	5	625	1.5	1.5	190
Vinyl chloride ^{UMN}	10	10	1250	1	0.8	100
Xylene (ortho) ^{UMN}	5	5	625	0.8	1	125
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