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EPA 8260B - ANALYSIS OF VOCs BY GC/MS

Low Level Soil Gas Reporting Limits and Method Detection Limits

Analytes:	<u>Reporting Limit</u>	<u>MDL</u>	<u>Units</u>		<u>Reporting Limit</u>	<u>MDL</u>	<u>Units</u>
Benzene	3	2	µg/m3	4-Isopropyltoluene	4	2	µg/m3
Bromodichloromethane	4	2	µg/m3	Naphthalene	20	2	µg/m3
Bromoform	4	1	µg/m3	n-Propylbenzene	4	2	µg/m3
n-Butylbenzene	6	3	µg/m3	Styrene	4	1	µg/m3
sec-Butylbenzene	6	2	µg/m3	1,1,1,2-Tetrachloroethane	4	2	µg/m3
tert-Butylbenzene	6	2	µg/m3	1,1,2,2-Tetrachloroethane	8	1	µg/m3
Carbon tetrachloride	4	1	µg/m3	Tetrachloroethene	4	1	µg/m3
Chlorobenzene	4	1	µg/m3	Toluene	4	2	µg/m3
Chloroform	4	1	µg/m3	1,1,1-Trichloroethane	4	2	µg/m3
Dibromochloromethane	4	1	µg/m3	1,1,2-Trichloroethane	4	3	µg/m3
1,2-Dibromoethane (EDB)	4	1	µg/m3	Trichloroethene	4	2	µg/m3
1,2-Dichlorobenzene	8	2	µg/m3	Trichlorofluoromethane	8	3	µg/m3
1,3-Dichlorobenzene	8	2	µg/m3	1,2,4-Trimethylbenzene	4	2	µg/m3
1,4-Dichlorobenzene	8	2	µg/m3	1,3,5-Trimethylbenzene	4	2	µg/m3
Dichlorodifluoromethane	8	4	µg/m3	Vinyl chloride	4	1	µg/m3
1,1-Dichloroethane	4	2	µg/m3	m,p-Xylene	8	4	µg/m3
1,2-Dichloroethane	4	3	µg/m3	o-Xylene	4	3	µg/m3
1,1-Dichloroethene	4	2	µg/m3	MTBE	20	1	µg/m3
cis-1,2-Dichloroethene	4	1	µg/m3	Ethyl-tert-butylether	20	1	µg/m3
trans-1,2-Dichloroethene	4	2	µg/m3	Di-isopropylether	20	2	µg/m3
Ethylbenzene	4	2	µg/m3	tert-amylmethylether	20	1	µg/m3
Freon 113	8	1	µg/m3	tert-Butylalcohol	200	118	µg/m3
Isopropylbenzene	4	2	µg/m3				
Gasoline Range Organics (C4-C12)	1000		µg/m3				
Methylene chloride (TIC)	4		µg/m3				

MDL = Method Detection Limit

TIC = Tentatively Identified Compound