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EPA 8260B - ANALYSIS OF VOCS BY GC/MS

Ultra Low Soil Gas Reporting Limits and Method Detection Limits

Analytes:	<u>Ultra Low</u>	<u>MDL</u>	<u>Units</u>		<u>Ultra Low</u>	<u>MDL</u>	<u>Units</u>
Benzene	0.5	0.5	µg/m3	4-Isopropyltoluene	2	0.5	µg/m3
Bromodichloromethane	2	0.4	µg/m3	Naphthalene	2	0.5	µg/m3
Bromoform	2	0.3	µg/m3	n-Propylbenzene	2	0.4	µg/m3
n-Butylbenzene	5	0.6	µg/m3	Styrene	2	0.3	µg/m3
sec-Butylbenzene	5	0.6	µg/m3	1,1,1,2-Tetrachloroethane	1	0.4	µg/m3
tert-Butylbenzene	5	0.5	µg/m3	1,1,2,2-Tetrachloroethane	2	0.3	µg/m3
Carbon tetrachloride	1	0.3	µg/m3	Tetrachloroethene	2	0.3	µg/m3
Chlorobenzene	2	0.3	µg/m3	Toluene	5	0.5	µg/m3
Chloroform	2	0.3	µg/m3	1,1,1-Trichloroethane	2	0.4	µg/m3
Dibromochloromethane	2	0.2	µg/m3	1,1,2-Trichloroethane	2	0.6	µg/m3
1,2-Dibromoethane (EDB)	0.5	0.3	µg/m3	Trichloroethene	2	0.5	µg/m3
1,2-Dichlorobenzene	2	0.4	µg/m3	Freon 11	5	0.6	µg/m3
1,3-Dichlorobenzene	2	0.4	µg/m3	1,2,4-Trimethylbenzene	2	0.5	µg/m3
1,4-Dichlorobenzene	2	0.6	µg/m3	1,3,5-Trimethylbenzene	2	0.4	µg/m3
Freon 12	5	3.1	µg/m3	Vinyl chloride	0.5	0.3	µg/m3
1,1-Dichloroethane	1	0.4	µg/m3	m,p-Xylene	5	0.9	µg/m3
1,2-Dichloroethane	1	0.7	µg/m3	o-Xylene	2	0.6	µg/m3
1,1-Dichloroethene	1	0.5	µg/m3	MTBE	5	0.2	µg/m3
cis-1,2-Dichloroethene	1	0.3	µg/m3	Ethyl-tert-butylether	5	0.3	µg/m3
trans-1,2-Dichloroethene	1	0.5	µg/m3	Di-isopropylether	5	0.4	µg/m3
Ethylbenzene	2	0.5	µg/m3	tert-amylmethylether	5	0.3	µg/m3
Freon 113	5	0.3	µg/m3	tert-Butylalcohol	25	14.1	µg/m3
Isopropylbenzene	2	0.4	µg/m3				
Gasoline Range Organics (C4-C12)	1000		µg/m3				
Methylene chloride (TIC)	2		µg/m3				

MDL = Method Detection Limit

TIC = Tentatively Identified Compound