

Analytical Method Information

Analyte	MDL	Reporting	Surrogate	Duplicate	Matrix Spike		Blank Spike / LCS	
		Limit	%R	RPD	%R	RPD	%R	RPD
8260B Full List in Soil (EPA 8260B)								
Preservation: Store cool at 4°C								
Container: Metal Core								
Amount Required: 4oz								
Hold Time: 14 days								
Acetone	0.0024	0.020 mg/kg		25	10 - 150	25	35 - 135	25
Benzene	0.00020	0.0050 mg/kg		25	55 - 125	25	75 - 115	25
Bromobenzene	0.00030	0.0050 mg/kg		25	30 - 140	25	75 - 120	25
Bromochloromethane	0.00020	0.0050 mg/kg		25	55 - 130	25	75 - 120	25
Bromodichloromethane	0.00020	0.0050 mg/kg		25	30 - 150	25	75 - 125	25
Bromoform	0.00020	0.0050 mg/kg		25	25 - 155	25	75 - 125	25
Bromomethane	0.00030	0.0050 mg/kg		25	25 - 145	25	75 - 125	25
n-Butylbenzene	0.00020	0.0050 mg/kg		25	0 - 165	25	85 - 120	25
sec-Butylbenzene	0.00020	0.0050 mg/kg		25	0 - 155	25	80 - 115	25
tert-Butylbenzene	0.00010	0.0050 mg/kg		25	5 - 155	25	80 - 115	25
Carbon tetrachloride	0.00020	0.0050 mg/kg		25	15 - 165	25	75 - 130	25
Chlorobenzene	0.00020	0.0050 mg/kg		25	40 - 130	25	75 - 115	25
Chloroethane	0.00030	0.0050 mg/kg		25	55 - 125	25	70 - 120	25
Chloroform	0.00020	0.0050 mg/kg		25	50 - 130	25	75 - 115	25
Chloromethane	0.00030	0.0050 mg/kg		25	60 - 135	25	85 - 130	25
2-Chlorotoluene	0.00020	0.0050 mg/kg		25	15 - 145	25	80 - 115	25
4-Chlorotoluene	0.00010	0.0050 mg/kg		25	15 - 145	25	80 - 120	25
Dibromochloromethane	0.00010	0.0050 mg/kg		25	30 - 150	25	75 - 130	25
1,2-Dibromo-3-chloropropane	0.00040	0.0050 mg/kg		25	30 - 150	25	75 - 120	25
1,2-Dibromoethane (EDB)	0.00020	0.0050 mg/kg		25	45 - 135	25	70 - 125	25
Dibromomethane	0.00020	0.0050 mg/kg		25	50 - 130	25	75 - 120	25
1,2-Dichlorobenzene	0.00020	0.0050 mg/kg		25	15 - 145	25	75 - 115	25
1,3-Dichlorobenzene	0.00020	0.0050 mg/kg		25	5 - 150	25	75 - 115	25
1,4-Dichlorobenzene	0.00020	0.0050 mg/kg		25	20 - 140	25	75 - 115	25
Dichlorodifluoromethane	0.00030	0.0050 mg/kg		25	50 - 175	25	90 - 160	25
1,1-Dichloroethane	0.00020	0.0050 mg/kg		25	60 - 120	25	75 - 120	25
1,2-Dichloroethane	0.00020	0.0050 mg/kg		25	55 - 125	25	70 - 115	25
1,1-Dichloroethene	0.00010	0.0050 mg/kg		25	55 - 130	25	75 - 120	25
cis-1,2-Dichloroethene	0.00020	0.0050 mg/kg		25	60 - 125	25	80 - 115	25
trans-1,2-Dichloroethene	0.00060	0.0050 mg/kg		25	55 - 125	25	75 - 115	25
1,2-Dichloropropane	0.00010	0.0050 mg/kg		25	55 - 125	25	75 - 115	25
1,3-Dichloropropane	0.00020	0.0050 mg/kg		25	60 - 120	25	75 - 115	25
2,2-Dichloropropane	0.00030	0.0050 mg/kg		25	45 - 135	25	75 - 120	25
1,1-Dichloropropene	0.00030	0.0050 mg/kg		25	45 - 130	25	80 - 115	25
cis-1,3-Dichloropropene	0.00020	0.0050 mg/kg		25	25 - 145	25	70 - 125	25
trans-1,3-Dichloropropene	0.00020	0.0050 mg/kg		25	30 - 150	25	65 - 145	25
Ethylbenzene	0.00020	0.0050 mg/kg		25	35 - 140	25	80 - 115	25
Hexachlorobutadiene	0.00030	0.0050 mg/kg		25	0 - 185	25	80 - 120	25
Isopropylbenzene	0.00020	0.0050 mg/kg		25	20 - 145	25	80 - 115	25
p-Isopropyltoluene	0.00020	0.0050 mg/kg		25	0 - 165	25	85 - 120	25
Methyl ethyl ketone	0.0012	0.015 mg/kg		25	40 - 135	25	60 - 130	25
Methyl isobutyl ketone	0.00070	0.010 mg/kg		25	40 - 135	25	75 - 125	25
Methyl tert-butyl ether	0.00020	0.0050 mg/kg		25	65 - 135	25	75 - 135	25
Methylene chloride	0.00040	0.0050 mg/kg		25	45 - 145	25	75 - 125	25
Naphthalene	0.00020	0.0050 mg/kg		25	5 - 160	25	75 - 130	25
n-Propylbenzene	0.00010	0.0050 mg/kg		25	15 - 150	25	80 - 115	25
Styrene	0.00010	0.0050 mg/kg		25	15 - 150	25	80 - 120	25

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Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike		Blank Spike / LCS	
					%R	RPD	%R	RPD
1,1,1,2-Tetrachloroethane	0.00010	0.0050 mg/kg		25	20 - 160	25	70 - 130	25
1,1,2,2-Tetrachloroethane	0.00020	0.0050 mg/kg		25	45 - 130	25	73 - 120	25
Tetrachloroethene	0.00040	0.0050 mg/kg		25	15 - 170	25	65 - 145	25
Toluene	0.00020	0.0050 mg/kg		25	45 - 125	25	75 - 110	25
1,2,3-Trichlorobenzene	0.00030	0.0050 mg/kg		25	0 - 175	25	75 - 130	25
1,2,4-Trichlorobenzene	0.00030	0.0050 mg/kg		25	0 - 175	25	80 - 130	25
1,1,1-Trichloroethane	0.00020	0.0050 mg/kg		25	40 - 140	25	75 - 120	25
1,1,2-Trichloroethane	0.00020	0.0050 mg/kg		25	60 - 120	25	75 - 120	25
Trichloroethene	0.00030	0.0050 mg/kg		25	50 - 130	25	80 - 115	25
Trichlorofluoromethane	0.00020	0.0050 mg/kg		25	35 - 150	25	80 - 130	25
Trichlorotrifluoroethane	0.00040	0.0050 mg/kg		25	35 - 145	25	75 - 125	25
1,2,3-Trichloropropane	0.00010	0.0050 mg/kg		25	60 - 135	25	80 - 130	25
1,2,4-Trimethylbenzene	0.00010	0.0050 mg/kg		25	10 - 150	25	80 - 115	25
1,3,5-Trimethylbenzene	0.00020	0.0050 mg/kg		25	10 - 155	25	80 - 120	25
Vinyl chloride	0.00030	0.0050 mg/kg		25	35 - 145	25	80 - 125	25
m,p-Xylene	0.00030	0.0050 mg/kg		25	35 - 140	25	80 - 115	25
o-Xylene	0.00010	0.0050 mg/kg		25	35 - 135	25	75 - 120	25
Xylenes (total)	0.00030	0.0050 mg/kg		25	35 - 135	25	80 - 115	25
surr: Bromofluorobenzene			55 - 128					
surr: Dibromofluoromethane			48 - 125					
surr: Toluene-d8			50 - 136					