

Analytical Method Information

Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike %R	RPD	Blank Spike / LCS %R	RPD
8270 Frac Full in Water (EPA 8270D)								
Preservation: 07-Ice Only								
Container: 12_1000mL Amber Glass pH								
Amount Required: 1L								
Hold Time: 7 days								
<2 w/ HCl								
1,4-Dichlorobenzene-d4								
N-Nitrosodimethylamine	0.488	1.00 ug/L		20	25 - 110	30	25 - 110	30
Pyridine	0.0140	1.00 ug/L		20	0 - 150	30	0 - 150	30
surr: 2-Fluorophenol			20 - 110					
2-Butoxyethanol	0.698	1.00 ug/L		20	60 - 130	30	60 - 130	30
Aniline	0.202	1.00 ug/L		20	0 - 150	30	0 - 110	20
Bis(2-chloroethyl)ether	0.463	1.00 ug/L		20	35 - 110	30	35 - 110	20
surr: Phenol-d6			10 - 115					
Phenol	0.967	2.00 ug/L		20	20 - 115	30	20 - 115	20
2-Chlorophenol	0.911	2.00 ug/L		20	35 - 105	30	35 - 105	20
1,3-Dichlorobenzene	0.375	1.00 ug/L		20	30 - 100	30	30 - 100	20
1,4-Dichlorobenzene	0.377	1.00 ug/L		20	30 - 100	30	30 - 100	20
(R)-(+)-Limonene	0.257	1.00 ug/L		20	60 - 130	30	60 - 130	30
1,2-Dichlorobenzene	0.399	1.00 ug/L		20	35 - 100	30	35 - 100	20
Benzyl alcohol	0.549	1.00 ug/L		20	50 - 150	30	50 - 150	20
Bis(2-chloroisopropyl)ether	0.480	1.00 ug/L		20	25 - 130	30	25 - 130	20
2-Methylphenol	0.999	2.00 ug/L		20	40 - 110	30	40 - 110	20
N-Nitrosodi-n-propylamine	0.598	1.00 ug/L		20	35 - 130	30	35 - 130	20
Adamantane	0.280	1.00 ug/L		20	60 - 130	30	60 - 130	30
Naphthalene-d8								
surr: Nitrobenzene-d5			40 - 110					
Nitrobenzene	0.453	1.00 ug/L		20	45 - 110	30	45 - 110	20
Hexachloroethane	0.320	1.00 ug/L		20	30 - 95	30	30 - 95	20
3 & 4-Methylphenol	2.08	5.00 ug/L		20	30 - 110	30	30 - 110	20
Isophorone	0.578	1.00 ug/L		20	50 - 110	30	50 - 110	20
1,3-Dimethyl adamantane	0.277	1.00 ug/L		20	60 - 130	30	60 - 130	30
2-Nitrophenol	0.864	2.00 ug/L		20	40 - 115	30	40 - 115	20
Bis(2-chloroethoxy)methane	0.523	1.00 ug/L		20	45 - 105	30	45 - 105	20
2,4-Dimethylphenol	0.937	2.00 ug/L		20	30 - 110	30	30 - 110	20
2,4-Dichlorophenol	1.05	2.00 ug/L		20	50 - 105	30	50 - 105	20
Benzoic acid	1.59	3.00 ug/L		20	20 - 115	30	20 - 115	20
1,2,4-Trichlorobenzene	0.399	1.00 ug/L		20	35 - 105	30	35 - 105	20
Naphthalene	0.426	1.00 ug/L		20	40 - 100	30	40 - 100	20
Terpinol	0.617	1.00 ug/L		20	60 - 130	30	60 - 130	30
4-Chloroaniline	1.05	3.00 ug/L		20	15 - 110	30	15 - 110	20
Hexachlorobutadiene	0.304	1.00 ug/L		20	25 - 105	30	25 - 105	20
2-Methylnaphthalene	0.468	1.00 ug/L		20	45 - 105	30	45 - 105	20
1-Methylnaphthalene	0.482	1.00 ug/L		20	45 - 105	30	45 - 105	20
4-Chloro-3-methylphenol	1.22	2.00 ug/L		20	45 - 110	30	45 - 110	20
Hexachlorocyclopentadiene	0.227	1.00 ug/L		20	0 - 95	30	0 - 95	20
2,4,6-Trichlorophenol	1.19	2.00 ug/L		20	50 - 115	30	50 - 115	20
2,4,5-Trichlorophenol	1.15	2.00 ug/L		20	50 - 110	30	50 - 110	20
surr: 2-Fluorobiphenyl			50 - 110					
2-Chloronaphthalene	0.498	1.00 ug/L		20	50 - 105	30	50 - 105	20
2-Nitroaniline	0.556	1.00 ug/L		20	50 - 115	30	50 - 115	20
1,4-Dinitrobenzene	0.450	1.00 ug/L		20	45 - 110	30	45 - 110	20

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					%R	RPD	%R	RPD
1,3-Dinitrobenzene	0.460	1.00 ug/L		20	45 - 110	30	45 - 110	20
2,6-Dinitrotoluene	0.497	1.00 ug/L		20	50 - 115	30	50 - 115	20
Acenaphthylene	0.562	1.00 ug/L		20	50 - 105	30	50 - 105	20
1,2-Dinitrobenzene	0.460	1.00 ug/L		20	45 - 110	30	45 - 110	20
Dimethyl phthalate	0.516	1.00 ug/L		20	25 - 125	30	25 - 125	20
Acenaphthene-d10								
3-Nitroaniline	1.30	3.00 ug/L		20	20 - 125	30	20 - 125	20
2,4-Dinitrophenol	1.75	3.00 ug/L		20	15 - 140	30	15 - 140	20
Acenaphthene	0.588	1.00 ug/L		20	45 - 110	30	45 - 110	20
2,4-Dinitrotoluene	0.413	1.00 ug/L		20	50 - 120	30	50 - 120	20
Dibenzofuran	0.589	1.00 ug/L		20	55 - 105	30	55 - 105	20
4-Nitrophenol	1.08	3.00 ug/L		20	0 - 125	30	0 - 125	20
2,3,5,6-Tetrachlorophenol	1.05	2.00 ug/L		20	50 - 110	30	50 - 110	20
2,3,4,6-Tetrachlorophenol	1.08	2.00 ug/L		20	50 - 110	30	50 - 110	20
Fluorene	0.626	1.00 ug/L		20	50 - 110	30	50 - 110	20
4,6-Dinitro-2-methylphenol	0.958	2.00 ug/L		20	40 - 130	30	40 - 130	20
Diethyl phthalate	0.480	1.00 ug/L		20	40 - 120	30	40 - 120	20
4-Chlorophenyl phenyl ether	0.612	1.00 ug/L		20	50 - 110	30	50 - 110	20
4-Nitroaniline	1.13	3.00 ug/L		20	35 - 120	30	35 - 120	20
Diphenylamine	0.521	1.00 ug/L		20	55 - 115	30	55 - 115	20
Azobenzene	0.596	1.00 ug/L		20	50 - 115	30	50 - 115	20
surr: 2,4,6-Tribromophenol			40 - 125					
4-Bromophenyl phenyl ether	0.566	1.00 ug/L		20	50 - 115	30	50 - 115	20
Hexachlorobenzene	0.487	1.00 ug/L		20	50 - 110	30	50 - 110	20
Pentachlorophenol	0.928	2.00 ug/L		20	40 - 115	30	40 - 115	20
Phenanthrene-d10								
Phenanthrene	0.411	1.00 ug/L		20	50 - 115	30	50 - 115	20
Anthracene	0.410	1.00 ug/L		20	55 - 110	30	55 - 110	20
Carbazole	0.913	3.00 ug/L		20	50 - 115	30	50 - 115	20
Di-n-butyl phthalate	0.626	1.00 ug/L		20	55 - 115	30	55 - 115	20
Fluoranthene	0.384	1.00 ug/L		20	55 - 115	30	55 - 115	20
Pyrene	0.386	1.00 ug/L		20	50 - 130	30	50 - 130	20
surr: Terphenyl-dl4			50 - 135					
Butyl benzyl phthalate	0.610	1.00 ug/L		20	45 - 115	30	45 - 115	20
Chrysene-d12								
Bis-(2-Ethylhexyl) Adipate	0.494	1.00 ug/L		20	40 - 125	30	40 - 125	20
2-Butoxyethanol phosphate	0.698	1.00 ug/L		20	60 - 130	30	60 - 130	30
Benzo (a) anthracene	0.377	1.00 ug/L		20	55 - 110	30	55 - 110	20
3,3'-Dichlorobenzidine	0.558	1.00 ug/L		20	0 - 150	30	0 - 150	20
Chrysene	0.340	1.00 ug/L		20	55 - 110	30	55 - 110	20
Bis(2-ethylhexyl)phthalate	1.12	2.00 ug/L		20	40 - 125	30	40 - 125	20
Di-n-octyl phthalate	0.544	1.00 ug/L		20	35 - 135	30	35 - 135	20
Benzo (b) fluoranthene	0.428	1.00 ug/L		20	45 - 120	30	45 - 120	20
Benzo (k) fluoranthene	0.416	1.00 ug/L		20	45 - 125	30	45 - 125	20
Squalene	1.33	2.00 ug/L		20	60 - 130	30	60 - 130	30
Benzo (a) pyrene	0.475	1.00 ug/L		20	55 - 110	30	55 - 110	20
Perylene-d12								
Indeno (1,2,3-cd) pyrene	0.441	1.00 ug/L		20	45 - 125	30	45 - 125	20
Dibenz (a,h) anthracene	0.425	1.00 ug/L		20	40 - 125	30	40 - 125	20
Benzo (g,h,i) perylene	0.423	1.00 ug/L		20	40 - 125	30	40 - 125	20

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Tentatively Identified Compounds								