Analytical Method Information

8270D SVOC (67 ug/kg or 1 ug/L Liq-Liq) (EPA 8270D) in Solid

Preservation: Cool <6°C

Container: Glass WM, Clear, 8 oz **Minimum Sample Weight:** 200 g **Hold Time:** 14 days

Analyte	DL	LOD	LOQ / RL	Surrogate %R	Duplicate RPD	Matrix Spike %R	Matrix Spike RPD	Blank Spike / LCS %R	Blank Spike / LCS RPD
Phenol	16.1 ug/kg	34.0 ug/kg	67.0 ug/kg		30	37 - 120	30	37 - 120	30
bis(2-chloroethyl) ether	16.9 ug/kg	34.0 ug/kg	67.0 ug/kg		30	43 - 120	30	43 - 120	30
2-Chlorophenol	14.3 ug/kg	34.0 ug/kg	67.0 ug/kg		30	45 - 120	30	45 - 120	30
1,3-Dichlorobenzene	15.7 ug/kg	34.0 ug/kg	67.0 ug/kg		30	47 - 120	30	47 - 120	30
1,4-Dichlorobenzene	15.6 ug/kg	34.0 ug/kg	67.0 ug/kg		30	46 - 120	30	46 - 120	30
Benzyl Alcohol	86.7 ug/kg	165 ug/kg	330 ug/kg		30	16 - 120	30	16 - 120	30
1,2-Dichlorobenzene	18.4 ug/kg	34.0 ug/kg	67.0 ug/kg		30	48 - 120	30	48 - 120	30
2-Methylphenol	23.3 ug/kg	34.0 ug/kg	67.0 ug/kg		30	45 - 120	30	45 - 120	30
2,2'-Oxybis(1-chloropropane)	18.7 ug/kg	34.0 ug/kg	67.0 ug/kg		30	36 - 120	30	36 - 120	30
4-Methylphenol	22.4 ug/kg	34.0 ug/kg	67.0 ug/kg		30	47 - 120	30	47 - 120	30
N-Nitroso-di-n-Propylamine	20.8 ug/kg	34.0 ug/kg	67.0 ug/kg		30	44 - 120	30	44 - 120	30
Hexachloroethane	18.8 ug/kg	34.0 ug/kg	67.0 ug/kg		30	43 - 120	30	43 - 120	30
Nitrobenzene	25.6 ug/kg	34.0 ug/kg	67.0 ug/kg		30	39 - 120	30	39 - 120	30
Isophorone	13.4 ug/kg	34.0 ug/kg	67.0 ug/kg		30	57 - 120	30	57 - 120	30
2-Nitrophenol	63.4 ug/kg	67.0 ug/kg	67.0 ug/kg		30	50 - 120	30	50 - 120	30
2,4-Dimethylphenol	16.2 ug/kg	34.0 ug/kg	67.0 ug/kg		30	40 - 120	30	40 - 120	30
Bis(2-Chloroethoxy)methane	17.3 ug/kg	34.0 ug/kg	67.0 ug/kg		30	49 - 120	30	49 - 120	30
Benzoic acid	251 ug/kg	335 ug/kg	670 ug/kg		30	10 - 160	30	10 - 160	30
2,4-Dichlorophenol	74.7 ug/kg	165 ug/kg	330 ug/kg		30	51 - 120	30	51 - 120	30
1,2,4-Trichlorobenzene	15.9 ug/kg	34.0 ug/kg	67.0 ug/kg		30	50 - 120	30	50 - 120	30
Naphthalene	14.9 ug/kg	34.0 ug/kg	67.0 ug/kg		30	50 - 120	30	50 - 120	30
4-Chloroaniline	100 ug/kg	165 ug/kg	330 ug/kg		30	17 - 149	30	17 - 149	30
Hexachlorobutadiene	18.8 ug/kg	34.0 ug/kg	67.0 ug/kg		30	46 - 120	30	46 - 120	30
4-Chloro-3-Methylphenol	115 ug/kg	165 ug/kg	330 ug/kg		30	54 - 120	30	54 - 120	30
2-Methylnaphthalene	24.4 ug/kg	34.0 ug/kg	67.0 ug/kg		30	54 - 120	30	54 - 120	30

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Hexachlorocyclopentadiene	62.4 ug/kg	165 ug/kg	330 ug/kg		30	23 - 149	30	23 - 149	30
2,4,6-Trichlorophenol	142 ug/kg	165 ug/kg	330 ug/kg		30	51 - 120	30	51 - 120	30
2,4,5-Trichlorophenol	150 ug/kg	165 ug/kg	330 ug/kg		30	52 - 120	30	52 - 120	30
2-Chloronaphthalene	21.3 ug/kg	34.0 ug/kg	67.0 ug/kg		30	48 - 120	30	48 - 120	30
2-Nitroaniline	120 ug/kg	165 ug/kg	330 ug/kg		30	51 - 120	30	51 - 120	30
Dimethylphthalate	26.5 ug/kg	34.0 ug/kg	67.0 ug/kg		30	56 - 120	30	56 - 120	30
Acenaphthylene	21.1 ug/kg	34.0 ug/kg	67.0 ug/kg		30	56 - 120	30	56 - 120	30
2,6-Dinitrotoluene	96.0 ug/kg	165 ug/kg	330 ug/kg		30	54 - 124	30	54 - 124	30
3-Nitroaniline	104 ug/kg	165 ug/kg	330 ug/kg		30	39 - 142	30	39 - 142	30
Acenaphthene	16.4 ug/kg	34.0 ug/kg	67.0 ug/kg		30	48 - 120	30	48 - 120	30
2,4-Dinitrophenol	77.3 ug/kg	335 ug/kg	670 ug/kg		30	15 - 169	30	15 - 169	30
Dibenzofuran	18.2 ug/kg	34.0 ug/kg	67.0 ug/kg		30	55 - 120	30	55 - 120	30
4-Nitrophenol	48.2 ug/kg	165 ug/kg	330 ug/kg		30	23 - 130	30	23 - 130	30
2,4-Dinitrotoluene	96.0 ug/kg	165 ug/kg	330 ug/kg		30	57 - 127	30	57 - 127	30
Fluorene	15.6 ug/kg	34.0 ug/kg	67.0 ug/kg		30	55 - 120	30	55 - 120	30
Diethyl phthalate	20.9 ug/kg	34.0 ug/kg	67.0 ug/kg		30	54 - 120	30	54 - 120	30
4-Chlorophenylphenyl ether	20.5 ug/kg	34.0 ug/kg	67.0 ug/kg		30	52 - 120	30	52 - 120	30
4-Nitroaniline	102 ug/kg	165 ug/kg	330 ug/kg		30	47 - 124	30	47 - 124	30
4,6-Dinitro-2-methylphenol	122 ug/kg	335 ug/kg	670 ug/kg		30	10 - 157	30	10 - 157	30
N-Nitrosodiphenylamine	16.9 ug/kg	34.0 ug/kg	67.0 ug/kg		30	54 - 138	30	54 - 138	30
4-Bromophenyl phenyl ether	19.3 ug/kg	34.0 ug/kg	67.0 ug/kg		30	50 - 120	30	50 - 120	30
Hexachlorobenzene	18.9 ug/kg	34.0 ug/kg	67.0 ug/kg		30	50 - 121	30	50 - 121	30
Pentachlorophenol	96.7 ug/kg	165 ug/kg	330 ug/kg		30	40 - 123	30	40 - 123	30
Phenanthrene	20.0 ug/kg	34.0 ug/kg	67.0 ug/kg		30	55 - 120	30	55 - 120	30
Anthracene	20.2 ug/kg	34.0 ug/kg	67.0 ug/kg		30	57 - 120	30	57 - 120	30
Carbazole	14.7 ug/kg	34.0 ug/kg	67.0 ug/kg		30	60 - 121	30	60 - 121	30
Di-n-Butylphthalate	33.1 ug/kg	34.0 ug/kg	67.0 ug/kg		30	60 - 120	30	60 - 120	30
Fluoranthene	41.6 ug/kg	67.0 ug/kg	67.0 ug/kg		30	52 - 129	30	52 - 129	30

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Analyte	DL	LOD	LOQ / RL	Surrogate %R	Duplicate RPD	Matrix Spike %R	Matrix Spike RPD	Blank Spike / LCS %R	Blank Spike / LCS RPD
Pyrene	46.8 ug/kg	67.0 ug/kg	67.0 ug/kg		30	49 - 134	30	49 - 134	30
Butylbenzylphthalate	24.6 ug/kg	34.0 ug/kg	67.0 ug/kg		30	44 - 144	30	44 - 144	30
Benzo(a)anthracene	19.4 ug/kg	34.0 ug/kg	67.0 ug/kg		30	56 - 124	30	56 - 124	30
3,3'-Dichlorobenzidine	89.3 ug/kg	165 ug/kg	330 ug/kg		30	37 - 140	30	37 - 140	30
Chrysene	21.0 ug/kg	34.0 ug/kg	67.0 ug/kg		30	53 - 124	30	53 - 124	30
bis(2-Ethylhexyl)phthalate	23.9 ug/kg	34.0 ug/kg	67.0 ug/kg		30	63 - 128	30	63 - 128	30
Di-n-Octylphthalate	19.1 ug/kg	34.0 ug/kg	67.0 ug/kg		30	59 - 120	30	59 - 120	30
Benzo(a)pyrene	20.9 ug/kg	34.0 ug/kg	67.0 ug/kg		30	53 - 120	30	53 - 120	30
Indeno(1,2,3-cd)pyrene	27.0 ug/kg	34.0 ug/kg	67.0 ug/kg		30	40 - 128	30	40 - 128	30
Dibenzo(a,h)anthracene	24.6 ug/kg	34.0 ug/kg	67.0 ug/kg		30	47 - 123	30	47 - 123	30
Benzo(g,h,i)perylene	25.9 ug/kg	34.0 ug/kg	67.0 ug/kg		30	44 - 125	30	44 - 125	30
Benzofluoranthenes, Total	32.5 ug/kg	34.0 ug/kg	67.0 ug/kg		30	30 - 160	30	30 - 160	30
1-Methylnaphthalene	28.8 ug/kg	34.0 ug/kg	67.0 ug/kg		30	55 - 120	30	55 - 120	30
surr: 2-Fluorophenol				22 - 120					
surr: Phenol-d5				27 - 120					
surr: 2-Chlorophenol-d4				36 - 120					
surr: 1,2-Dichlorobenzene-d4				38 - 120					
surr: Nitrobenzene-d5				32 - 120					
surr: 2-Fluorobiphenyl				39 - 120					
surr: 2,4,6-Tribromophenol				31 - 131					
surr: p-Terphenyl-d14				31 - 130					
1,4-Dichlorobenzene-d4									
Naphthalene-d8									
Acenaphthene-d10									
Phenanthrene-d10									
Chrysene-d12									
Di-n-Octylphthalate-d4									
Perylene-d12									

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Analyte	DL	LOD	LOQ / RL	Surrogate %R	Duplicate RPD	Matrix Spike %R	Matrix Spike RPD	Blank Spike / LCS %R	Blank Spike / LCS RPD