



Analytical Method Information

Analyte	DL	LOD	LOQ / RL	Surrogate %R	Duplicate RPD	Matrix Spike %R	RPD	Blank Spike / LCS %R	RPD
8270D-SIM Alkyl PAH (EPA 8270D-SIM) in Water									
Preservation: Cool <6°C									
Container: Glass NM, Amber, 500 mL									
Minimum Sample Volume: 1000 mL									
Hold Time: 7 days									
trans-Decalin		0.0500 ug/L	0.100 ug/L			30 - 160	40	30 - 160	40
Naphthalene	0.0200 ug/L	0.0500 ug/L	0.100 ug/L		40	37 - 100	40	37 - 100	40
1-Methylnaphthalene	0.0160 ug/L	0.0500 ug/L	0.100 ug/L		40	30 - 160	40	30 - 160	40
2-Methylnaphthalene	0.0200 ug/L	0.0500 ug/L	0.100 ug/L		40	34 - 120	40	34 - 120	40
Biphenyl			0.100 ug/L		40	30 - 160	40	30 - 160	40
2,6-Dimethylnaphthalene			0.100 ug/L		40	30 - 160	40	30 - 160	40
Acenaphthylene	0.0240 ug/L	0.0500 ug/L	0.100 ug/L		40	32 - 120	40	32 - 120	40
Acenaphthene	0.0150 ug/L	0.0500 ug/L	0.100 ug/L		40	40 - 120	40	40 - 120	40
Dibenzofuran	0.0160 ug/L	0.0500 ug/L	0.100 ug/L		40	44 - 120	40	44 - 120	40
2,3,5-Trimethylnaphthalene			0.100 ug/L						
Fluorene	0.0160 ug/L	0.0500 ug/L	0.100 ug/L		40	43 - 120	40	43 - 120	40
Phenanthrene	0.0260 ug/L	0.0500 ug/L	0.100 ug/L		40	43 - 120	40	43 - 120	40
Anthracene	0.0250 ug/L	0.0500 ug/L	0.100 ug/L		40	30 - 120	40	30 - 120	40
Carbazole		0.0500 ug/L	0.100 ug/L		40	30 - 160	40	30 - 160	40
1-Methylphenanthrene		0.0500 ug/L	0.100 ug/L		40	30 - 160	40	30 - 160	40
Fluoranthene	0.0210 ug/L	0.0500 ug/L	0.100 ug/L		40	46 - 138	40	46 - 138	40
Dibenzothiophene		0.0500 ug/L	0.100 ug/L						
Pyrene	0.0280 ug/L	0.0500 ug/L	0.100 ug/L		40	47 - 124	40	47 - 124	40
Benzo(a)anthracene	0.0230 ug/L	0.0500 ug/L	0.100 ug/L		40	38 - 134	40	38 - 134	40
Chrysene	0.0260 ug/L	0.0500 ug/L	0.100 ug/L		40	52 - 120	40	52 - 120	40
Benzo(a)fluoranthene, Total			0.100 ug/L						
Benzo(e)pyrene			0.100 ug/L		40	30 - 160	40	30 - 160	40
Benzo(a)pyrene	0.0590 ug/L	0.0590 ug/L	0.100 ug/L		40	24 - 120	40	24 - 120	40
Indeno(1,2,3-cd)pyrene	0.0290 ug/L	0.0500 ug/L	0.100 ug/L		40	32 - 123	40	32 - 123	40
Dibenzo(a,h)anthracene	0.0420 ug/L	0.0500 ug/L	0.100 ug/L		40	30 - 127	40	30 - 127	40



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Benzo(g,h,i)perylene	0.0300 ug/L	0.0500 ug/L	0.100 ug/L		40	26 - 124	40	26 - 124	40
Perylene	0.0610 ug/L	0.0610 ug/L	0.100 ug/L		40	30 - 160	40	30 - 160	40
C1-Decalins			0.200 ug/L						
C2-Decalins			0.200 ug/L						
C3-Decalins			0.200 ug/L						
C4-Decalins			0.200 ug/L						
C1-Naphthalenes			0.200 ug/L						
C2-Naphthalenes			0.200 ug/L						
C3-Naphthalenes			0.200 ug/L						
C4-Naphthalenes			0.200 ug/L						
C1-Fluorenes			0.200 ug/L						
C2-Fluorenes			0.200 ug/L						
C3-Fluorenes			0.200 ug/L						
C1-Dibenzothiophenes			0.200 ug/L						
C2-Dibenzothiophenes			0.200 ug/L						
C3-Dibenzothiophenes			0.200 ug/L						
C4-Dibenzothiophenes			0.200 ug/L						
C1-Phenanthrenes/Anthracenes			0.200 ug/L						
C2-Phenanthrenes/Anthracenes			0.200 ug/L						
C3-Phenanthrenes/Anthracenes			0.200 ug/L						
C4-Phenanthrenes/Anthracenes			0.200 ug/L						
C1-Fluoranthenes/Pyrenes			0.200 ug/L						
C2-Fluoranthenes/Pyrenes			0.200 ug/L						
C3-Fluoranthenes/Pyrenes			0.200 ug/L						
C4-Fluoranthenes/Pyrenes			0.200 ug/L						
C1-Benzo(a)anthracenes/Chrysenes			0.200 ug/L						
C2-Benzo(a)anthracenes/Chrysenes			0.200 ug/L						
C3-Benzo(a)anthracenes/Chrysenes			0.200 ug/L						



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C4-Benzo(a)anthracenes/Chrysenes			0.200 ug/L						
C1-Benzothiophenes			0.200 ug/L						
C2-Benzothiophenes			0.200 ug/L						
C3-Benzothiophenes			0.200 ug/L						
C1-Naphthobenzothiophenes			0.200 ug/L						
C2-Naphthobenzothiophenes			0.200 ug/L						
C3-Naphthobenzothiophenes			0.200 ug/L						
C4-Naphthobenzothiophenes			0.200 ug/L						
C1-Dibenzo(a)anthracenes			0.200 ug/L						
C2-Dibenzo(a)anthracenes			0.200 ug/L						
C3-Dibenzo(a)anthracenes			0.200 ug/L						
surr: Naphthalene-d8				30 - 160					
surr: Acenaphthene-d10				30 - 160					
surr: Phenanthrene-d10				30 - 160					
surr: Chrysene-d12				30 - 160					
surr: Perylene-d12				30 - 160					
Fluorene-d10									
Anthracene-d10									
Benzo(e)pyrene-d12									