

New Jersey

NJDEP EPH 10/08 Rev.2 Aliphatics Calibration

Standard (20 components)

<i>n</i> -nonane (C9)	<i>n</i> -hexacosane (C26)
<i>n</i> -decane (C10)	<i>n</i> -octacosane (C28)
<i>n</i> -dodecane (C12)	<i>n</i> -triacontane (C30)
<i>n</i> -tetradecane (C14)	<i>n</i> -dotriacontane (C32)
<i>n</i> -hexadecane (C16)	<i>n</i> -tetraatriacontane (C34)
<i>n</i> -octadecane (C18)	<i>n</i> -hexatriacontane (C36)
<i>n</i> -eicosane (C20)	<i>n</i> -octatriacontane (C38)
<i>n</i> -heneicosane (C21)	<i>n</i> -tetracontane (C40)
<i>n</i> -docosane (C22)	2-methylnaphthalene
<i>n</i> -tetracosane (C24)	naphthalene

2,000µg/mL each in hexane:carbon disulfide (80:20), 1mL/ampul
cat. # 30540 (ea.)



New Jersey cont'd

NJDEP EPH 10/08 Rev.2 Aliphatics Fractionation

Check Mix (18 components)

<i>n</i> -nonane (C9)	<i>n</i> -tetracosane (C24)
<i>n</i> -decane (C10)	<i>n</i> -hexacosane (C26)
<i>n</i> -dodecane (C12)	<i>n</i> -octacosane (C28)
<i>n</i> -tetradecane (C14)	<i>n</i> -triacontane (C30)
<i>n</i> -hexadecane (C16)	<i>n</i> -dotriacontane (C32)
<i>n</i> -octadecane (C18)	<i>n</i> -tetraatriacontane (C34)
<i>n</i> -eicosane (C20)	<i>n</i> -hexatriacontane (C36)
<i>n</i> -heneicosane (C21)	<i>n</i> -octatriacontane (C38)
<i>n</i> -docosane (C22)	<i>n</i> -tetracontane (C40)

400µg/mL each in hexane, 5mL/ampul
cat. # 30544 (ea.)



NJDEP EPH 10/08 Rev.2 Aromatics Calibration

Standard (18 components)

acenaphthene	dibenzo(a,h)anthracene
acenaphthylene	fluoranthene
anthracene	fluorene
benzo(a)anthracene	indeno(1,2,3-cd)pyrene
benzo(a)pyrene	2-methylnaphthalene
benzo(b)fluoranthene	naphthalene
benzo(ghi)perylene	phenanthrene
benzo(k)fluoranthene	pyrene
chrysene	1,2,3-trimethylbenzene

2,000µg/mL each in methylene chloride, 1mL/ampul
cat. # 30541 (ea.)



NJDEP EPH 10/08 Rev.2 Aromatics Fractionation

Check Mix (16 components)

acenaphthene	chrysene
acenaphthylene	dibenzo(a,h)anthracene
anthracene	fluoranthene
benzo(a)anthracene	fluorene
benzo(a)pyrene	indeno(1,2,3-cd)pyrene
benzo(b)fluoranthene	phenanthrene
benzo(ghi)perylene	pyrene
benzo(k)fluoranthene	1,2,3-trimethylbenzene

400µg/mL each in hexane:toluene (50:50), 5mL/ampul
cat. # 30545 (ea.)



NJDEP EPH 10/08 Rev.2 Aliphatics Matrix Spike Mix

(18 components)

<i>n</i> -nonane (C9)	<i>n</i> -tetracosane (C24)
<i>n</i> -decane (C10)	<i>n</i> -hexacosane (C26)
<i>n</i> -dodecane (C12)	<i>n</i> -octacosane (C28)
<i>n</i> -tetradecane (C14)	<i>n</i> -triacontane (C30)
<i>n</i> -hexadecane (C16)	<i>n</i> -dotriacontane (C32)
<i>n</i> -octadecane (C18)	<i>n</i> -tetraatriacontane (C34)
<i>n</i> -eicosane (C20)	<i>n</i> -hexatriacontane (C36)
<i>n</i> -heneicosane (C21)	<i>n</i> -octatriacontane (C38)
<i>n</i> -docosane (C22)	<i>n</i> -tetracontane (C40)

200µg/mL each in pentane, 5mL/ampul
cat. # 30542 (ea.)



Northwest USA Regional Method (Oregon & Washington)

also see Washington, page 512

NW TPH-HCID Retention Time Mix (3 components)

<i>n</i> -dodecane (C12)	toluene
<i>n</i> -tetracosane (C24)	

2,500µg/mL each in methylene chloride, 1mL/ampul
cat. # 31485 (ea.)

NW TPH-HCID Surrogate Mix (2 components)

<i>n</i> -pentacosane (C25)	4-bromofluorobenzene
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5,000µg/mL each in methylene chloride, 1mL/ampul
cat. # 31486 (ea.)

Glycols Standard (2 components)

ethylene glycol	propylene glycol
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50,000µg/mL each in DI water, 1mL/ampul
cat. # 30471 (ea.)

NW TPH-Dx Surrogate Mix Standards

Volume is 1mL/ampul. Concentration is µg/mL.

Compound	Solvent	Conc.	cat.# (ea.)	price
2-fluorobiphenyl	D	10,000	31096	
<i>o</i> -terphenyl	D	10,000	31097	
<i>p</i> -terphenyl	D	10,000	31095	
pentacosane (C25)	D	10,000	31487	

D = methylene choride

NJDEP EPH 10/08 Rev.2 Aromatics Matrix Spike Mix

(18 components)

acenaphthene	dibenzo(a,h)anthracene
acenaphthylene	fluoranthene
anthracene	fluorene
benzo(a)anthracene	indeno(1,2,3-cd)pyrene
benzo(a)pyrene	2-methylnaphthalene
benzo(b)fluoranthene	naphthalene
benzo(ghi)perylene	phenanthrene
benzo(k)fluoranthene	pyrene
chrysene	1,2,3-trimethylbenzene

200µg/mL each in acetone:toluene (50:50), 5mL/ampul
cat. # 30543 (ea.)

