

UST Monitoring

Petroleum Volatile Organic Compounds (PVOC), Gasoline Range Organics (GRO), & Benzene-Toluene-Ethylbenzene-Xylenes (BTEX) *cont'd*

Gasoline Component Standard (10 components)

benzene	500µg/mL	1,2,4-trimethylbenzene	1,000
ethylbenzene	500	2,2,4-trimethylpentane	1,500
heptane	500	<i>m</i> -xylene	1,000
2-methylpentane	1,500	<i>o</i> -xylene	1,000
toluene	1,500	<i>p</i> -xylene	1,000
10,000µg/mL total in P&T methanol, 1mL/ampul			
cat. # 30486 (ea.)			

Certified BTEX in Unleaded Gas Composite Standard

(9 components)

Certified for:

benzene*	toluene*
ethylbenzene*	<i>m</i> -xylene*
isopropyl benzene*	<i>o</i> -xylene*
methyl <i>tert</i> -butyl ether (MTBE)*	<i>p</i> -xylene*
naphthalene*	

5,500ppm gasoline in P&T methanol, 1mL/ampul
cat. # 30237 (ea.)

*Concentration differs lot-to-lot. See on-line Certificate of Analysis for certified concentrations.

Certified Aromatics in Gasoline (16 components)

Certified for:

benzene*	<i>n</i> -propylbenzene*
ethylbenzene*	toluene*
<i>m</i> -ethyltoluene*	1,2,3-trimethylbenzene*
<i>o</i> -ethyltoluene*	1,2,4-trimethylbenzene*
<i>p</i> -ethyltoluene*	1,3,5-trimethylbenzene*
isopropylbenzene*	<i>m</i> -xylene*
methyl <i>tert</i> -butyl ether (MTBE)*	<i>o</i> -xylene*
naphthalene*	<i>p</i> -xylene*

5,500ppm gasoline in P&T methanol, 1mL/ampul
cat. # 30485 (ea.)

*Concentration differs lot-to-lot. See on-line Certificate of Analysis for certified concentrations.

Certified PAHs in Diesel (7 components)

Certified PAHs

acenaphthene*	2-methylnaphthalene*
acenaphthylene*	naphthalene*
fluorene*	phenanthrene*
1-methylnaphthalene*	

50,000ppm diesel #2 in methylene chloride, 1mL/ampul
cat. # 31673 (ea.) \$63

*Concentration differs lot-to-lot. See on-line Certificate of Analysis for certified concentrations.

Gasoline Surrogate and Internal Standards

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

Compound	Solvent	Conc.	cat.# (ea.)	price
4-bromofluorobenzene	PTM	2,500	30067	
4-bromofluorobenzene	PTM	10,000	30082	
1-chlorooctane	PTM	10,000	30084	
α,α,α-trifluorotoluene	PTM	2,500	30068	
α,α,α-trifluorotoluene	PTM	10,000	30083	

Recommended Internal Standard (PID) for EPA GRO Method

Compound	Solvent	Conc.	cat.# (ea.)	price
1-chloro-4-fluorobenzene	PTM	2,500	30066	

PTM = Purge & trap grade methanol

Diesel Surrogate and Internal Standards

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

Compound	Solvent	Conc.	cat.# (ea.)	price
1-chlorooctadecane	D	10,000	31098	
2-fluorobiphenyl	D	10,000	31096	
<i>o</i> -terphenyl	D	10,000	31097	
<i>p</i> -terphenyl	D	10,000	31095	

Recommended Internal Standards

Compound	Solvent	Conc.	cat.# (ea.)	price
5-α-androstane	D	2,000	31065	
<i>o</i> -terphenyl	A	2,000	31066	

A = acetone; D = methylene chloride

Diesel/Biodiesel Standard

Diesel/Biodiesel 80:20 Blend Standard

The biodiesel component is methyl soyate.

5,000µg/mL in methylene chloride, 1mL/ampul
cat. # 31880 (ea.)

also available

ASTM Method D6584-00 and EN14105 Biodiesel Standards.
See **page 516**.

