

ASTM E1387 and E1618 (Fire Debris Analysis)

These materials also can be used for underground storage tank monitoring.

E1387 Column Resolution Check Mix (13 components)

<i>n</i> -hexane (C6)	<i>n</i> -eicosane (C20)
<i>n</i> -octane (C8)	2-ethyltoluene
<i>n</i> -decane (C10)	3-ethyltoluene
<i>n</i> -dodecane (C12)	toluene
<i>n</i> -tetradecane (C14)	1,2,4-trimethylbenzene
<i>n</i> -hexadecane (C16)	<i>p</i> -xylene
<i>n</i> -octadecane (C18)	

2,000µg/mL each in methylene chloride, 1mL/ampul
cat. # 31224 (ea.)

E1618 Test Mix (13 components)

Components in this mix (0.5µL/mL or 0.05% volume/volume each) are at 10x the concentration of the final test solution specified in ASTM 1618 and ASTM 1387.

<i>n</i> -hexane (C6)	<i>n</i> -eicosane (C20)
<i>n</i> -octane (C8)	2-ethyltoluene
<i>n</i> -decane (C10)	3-ethyltoluene
<i>n</i> -dodecane (C12)	toluene
<i>n</i> -tetradecane (C14)	1,2,4-trimethylbenzene
<i>n</i> -hexadecane (C16)	<i>p</i> -xylene
<i>n</i> -octadecane (C18)	

0.05% volume/volume each in methylene chloride, 1mL/ampul
cat. # 31613 (ea.)

No data pack available.

ASTM Method 5197 (Formaldehyde and Other Carbonyl Compounds in Air)

CARB 1004 Aldehyde/Ketone-DNPH Calibration Standard

(13 components)

acetaldehyde-2,4-DNPH	hexaldehyde-2,4-DNPH
acetone-2,4-DNPH	methacrolein-2,4-DNPH
acrolein-2,4-DNPH	methyl ethyl ketone-2,4-DNPH
benzaldehyde-2,4-DNPH	propionaldehyde-2,4-DNPH
<i>n</i> -butyraldehyde-2,4-DNPH	<i>m</i> -tolualdehyde-2,4-DNPH
crotonaldehyde-2,4-DNPH	valeraldehyde-2,4-DNPH
formaldehyde-2,4-DNPH	

3µg/mL each in acetonitrile, 1mL/ampul
cat. # 33093 (ea.)

*Concentration calculated as the aldehyde/ketone.

DNPH Reference Materials

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

Compound	Solvent	Conc.	cat.# (ea.)	price
acetaldehyde-2,4-DNPH	ACN	100	33074	
acetone-2,4-DNPH	ACN	100	33075	
benzaldehyde-2,4-DNPH	ACN	100	33077	
<i>n</i> -butyraldehyde-2,4-DNPH	ACN	100	33079	
crotonaldehyde-2,4-DNPH	ACN	100	33080	
formaldehyde-2,4-DNPH	ACN	100	33082	
glycolaldehyde-2,4-DNPH	ACN	100	33091	
hexaldehyde-2,4-DNPH	ACN	100	33083	
isobutyraldehyde-2,4-DNPH	ACN	100	33084	
methacrolein-2,4-DNPH	ACN	100	33095	
propionaldehyde-2,4-DNPH	ACN	100	33086	
<i>m</i> -tolualdehyde-2,4-DNPH	ACN	100	33088	

ACN = acetonitrile

*Concentration calculated as the aldehyde/ketone.

ASTM Method D5836-03/OSHA 42, OSHA 47, NIOSH 5522 (Analysis of Isocyanates in Indoor Air by HPLC)

ASTM D5836 and OSHA 42 are test methods for determining 2,4-toluene diisocyanate (2,4-TDI) and 2,6-TDI in the workplace atmosphere. OSHA 47 is for 4,4'-methylenediphenyl isocyanate (4,4'-MDI) in indoor air, and NIOSH Method 5522 is an analysis for 2,4-TDI, 2,6-TDI, 4,4'-MDI, and 1,6-hexamethylene diisocyanate (1,6-HDI) in air. Restek offers the 1,-(2-pyridyl)piperzine (1-2pp) derivative.

Isocyanates Singles

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

Compound	Solvent	Conc.	cat.# (ea.)	price
2,6-TDIP	DMSO	1,000	33000	
2,4-TDIP	DMSO	1,000	33001	
1,6-HDIP	DMSO	1,000	33002	
4,4'-MDIP	DMSO	1,000	33003	

DMSO = dimethyl sulfoxide

Formaldehyde Oxazoladine

formaldehyde oxazoladine

2,000µg/mL in toluene, 1mL/ampul

cat. # 33004 (ea.)