

Method 8010 (Halogenated Volatile Organics)

Note: Method 8010 does not specify internal standards to be used. The analyst must select appropriate internal standards based on the particular samples being analyzed. Potential internal standards are available. See page 467.

624 Internal Standard Mix (3 components)

bromochloromethane 1,4-dichlorobutane
2-bromo-1-chloropropane
1,500µg/mL each in P&T methanol, 1mL/ampul
cat. # 30023 (ea.)

502.2 Calibration Mix #1 (gases) (6 components)

bromomethane dichlorodifluoromethane (CFC-12)
chloroethane trichlorofluoromethane (CFC-11)
chloromethane vinyl chloride

200µg/mL each in P&T methanol, 1mL/ampul
cat. # 30439 (ea.)

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30042 (ea.)

8010A Calibration Mix #2 (15 components)

benzyl chloride *trans*-1,2-dichloroethene
bromodichloromethane *cis*-1,3-dichloropropene
bromoform *trans*-1,3-dichloropropene
carbon tetrachloride methylene chloride
chlorobenzene tetrachloroethene
1,2-dichlorobenzene trichloroethene
1,3-dichlorobenzene 1,2,3-trichloropropane
1,1-dichloroethene

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30056 (ea.)

8010A Calibration Mix #3 (13 components)

bromobenzene 1,2-dichloroethane
2-chloroethyl vinyl ether 1,2-dichloropropane
chloroform 1,1,1,2-tetrachloroethane
dibromochloromethane 1,1,2,2-tetrachloroethane
dibromomethane 1,1,1-trichloroethane
1,4-dichlorobenzene 1,1,2-trichloroethane
1,1-dichloroethane

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30057 (ea.)

BTEX Standard (6 components)

benzene *m*-xylene
ethylbenzene *o*-xylene
toluene *p*-xylene

200µg/mL each in P&T methanol, 1mL/ampul
cat. # 30051 (ea.)

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30213 (ea.)

2,000µg/mL each in P&T methanol (*m*-xylene and *p*-xylene at 1,000µg/mL), 1mL/ampul
cat. # 30488 (ea.)



To analyze compounds listed in Methods 8010 and 8020 concurrently, add BTEX Standard to the calibration curve mix.

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Method 8010 (Halogenated Volatile Organics) cont'd

BTEX Gas Mix (6 components)

benzene *m*-xylene
ethylbenzene *o*-xylene
toluene *p*-xylene

Cylinder Construction: aluminum
Cylinder Fitting: CGA-180 outlet

Spectra 104L Cylinders:

Size: 8 x 24 cm
Volume/Pressure:
104 liters of gas
@ 1,800 psi
Weight: 1.5 lbs/0.7 kg



Scotty 110L Cylinders (Pi-marked Cylinders for EU Regulations):

Size: 8.3 x 29.5 cm
Volume/Pressure:
110 liters of gas
@ 1,800 psi
Weight: 2.2 lbs/1 kg
US DOT Specs: 3AL2216



1ppm in nitrogen, 104 liters @ 1,800psi
cat. # 34414 (ea.)

100ppb in nitrogen, 104 liters @ 1,800psi
cat. # 34428 (ea.)

1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder)
cat. # 34414-PI (ea.)

100ppb in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder)
cat. # 34428-PI (ea.)

Requires a high-purity VOC single-stage regulator. See page 433.
No data pack available.
Quantity discounts not available.

Method 8011 (1,2-Dibromoethane, 1,2-Dibromo-3-chloropropane)

8011 Calibration Mix—EDB/DBCP (2 components)

1,2-dibromo-3-chloropropane (DBCP)
1,2-dibromoethane (EDB)
2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30062 (ea.)

Method 8020 (Aromatic Volatile Organics)

Internal and Surrogate Standards

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

| Compound | Solvent | Conc. | cat.# (ea.) price |
|------------------------|---------|-------|-------------------|
| 4-bromofluorobenzene | PTM | 2,000 | 30026 |
| 1,4-difluorobenzene | PTM | 2,000 | 30032 |
| fluorobenzene | PTM | 2,000 | 30030 |
| α,α,α-trifluorotoluene | PTM | 2,000 | 30048 |

PTM = Purge & trap grade methanol

8020A Calibration Mix (10 components)

benzene ethylbenzene
chlorobenzene toluene
1,2-dichlorobenzene *m*-xylene
1,3-dichlorobenzene *o*-xylene
1,4-dichlorobenzene *p*-xylene

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30222 (ea.)