

Method 524.1, 524.2 (Volatile Organics) *cont'd***Randy Fisher**

Analytical Reference
Materials Manufacturing
Supervisor
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524 Internal Standard/Surrogate Mix

4-bromofluorobenzene fluorobenzene
1,2-dichlorobenzene-d4
2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 32021 (ea.)

Surrogate Standard

4-bromofluorobenzene α, α, α -trifluorotoluene
2,500µg/mL each in P&T methanol, 1mL/ampul
cat. # 30484 (ea.)

524.2 Surrogate Standard

1-bromo-4-fluorobenzene 1,2-dichlorobenzene-d4
2,000µg/mL in P&T methanol, 1mL/ampul
cat. # 30607 (ea.)

PFTBA (MS Tuning Compound)

perfluorotributylamine (PFTBA)
Neat
1mL cat. # 30482 (ea.)
1g cat. # 33027 (ea.)

No data pack available.

Drinking Water VOA MegaMix[®], 524.2 Rev. 4.1

(73 components)
acrylonitrile *trans*-1,3-dichloropropene
allyl chloride diethyl ether (ethyl ether)
benzene ethylbenzene
bromobenzene ethyl methacrylate
bromochloromethane hexachloro-1,3-butadiene
bromodichloromethane hexachloroethane
bromoform iodomethane (methyl iodide)
n-butylbenzene isopropylbenzene (cumene)
sec-butylbenzene 4-isopropyltoluene (*p*-cymene)
tert-butylbenzene methacrylonitrile
carbon disulfide methyl acrylate
carbon tetrachloride methyl *tert*-butyl ether
chloroacetoneitrile (MTBE)
chlorobenzene methylene chloride
1-chlorobutane (dichloromethane)
chlorodibromomethane methyl methacrylate
(dibromochloromethane) naphthalene
chloroform nitrobenzene
2-chlorotoluene 2-nitropropane
4-chlorotoluene pentachloroethane
1,2-dibromo-3-chloropropane propionitrile (ethylcyanide)
(DBCP) *n*-propylbenzene
1,2-dibromoethane styrene
(ethylene dibromide) 1,1,1,2-tetrachloroethane
dibromomethane 1,1,2,2-tetrachloroethane
1,2-dichlorobenzene tetrachloroethene
1,3-dichlorobenzene tetrahydrofuran
1,4-dichlorobenzene toluene
trans-1,4-dichloro-2-butene 1,2,3-trichlorobenzene
1,1-dichloroethane 1,2,4-trichlorobenzene
1,2-dichloroethane 1,1,1-trichloroethane
1,1-dichloroethene 1,1,2-trichloroethane
cis-1,2-dichloroethene trichloroethene
trans-1,2-dichloroethene 1,2,3-trichloropropane
1,2-dichloropropane 1,2,4-trimethylbenzene
1,3-dichloropropane 1,3,5-trimethylbenzene
2,2-dichloropropane *m*-xylene
1,1-dichloropropene *o*-xylene
cis-1,3-dichloropropene *p*-xylene
2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30601 (ea.)

502.2 Calibration Mix #1 (gases)

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

Ketones Mix, 524.2 Rev. 4.1 (5 components)

acetone 2-hexanone
2-butanone (MEK) 4-methyl-2-pentanone (MIBK)
1,1-dichloro-2-propanone
5,000µg/mL each in 90% P&T methanol:10% water, 1mL/ampul
cat. # 30602 (ea.)

Oxygenates Standard

diisopropyl ether (DIPE) 2,000µg/mL
ethyl-*tert*-butyl ether (ETBE) 2,000
tert-amyl ethyl ether (TAEE) 2,000
tert-amyl methyl ether (TAME) 2,000
tert-butyl alcohol (TBA) 10,000
In P&T methanol, 1mL/ampul
cat. # 30619 (ea.)

524 Calibration Mix #7 (12 components)

Note: Due to compound interactions, this mixture is a two ampul set.

Ampul 1:
acetone 4-methyl-2-pentanone (MIBK)
2-butanone (MEK) tetrahydrofuran
2-hexanone

Ampul 2:
acrylonitrile methyl methacrylate
allyl chloride nitrobenzene
ethyl methacrylate pentachloroethane
methyl acrylate

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30202 (ea.)

524 Calibration Mix #8 (12 components)

carbon disulfide hexachloroethane
chloroacetoneitrile iodomethane (methyl iodide)
1-chlorobutane methacrylonitrile
trans-1,4-dichloro-2-butene methyl *tert*-butyl ether
1,1-dichloro-2-propanone 2-nitropropane
diethyl ether propionitrile
2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30203 (ea.)

also available

Additional chlorinated acid
herbicides mixes:

see Method 555, page 453.
and Method 8321, page 470.

free data

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