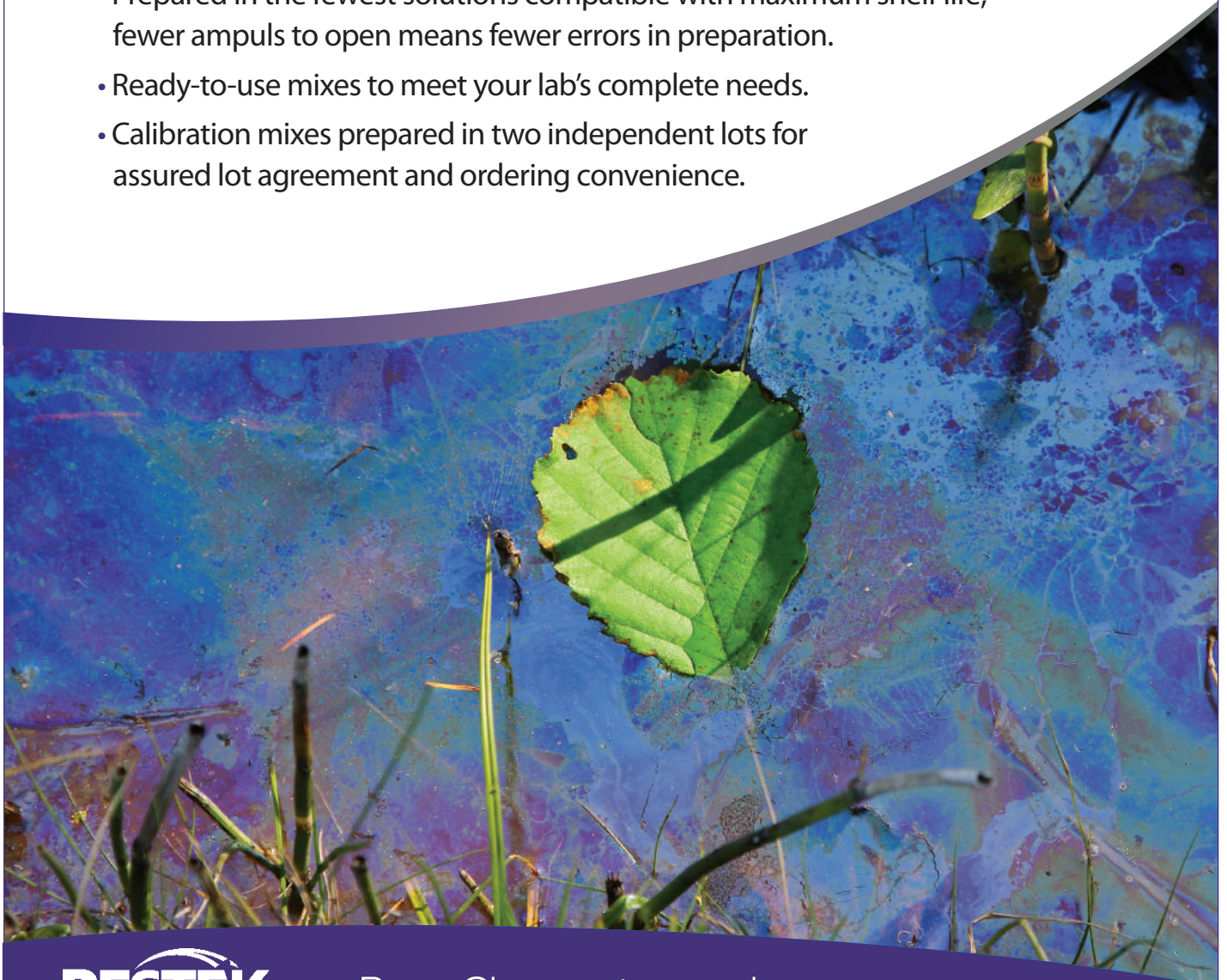




Reference
Standards

Volatile Organic Reference Materials for U.S. EPA Method 8260

- Prepared in the fewest solutions compatible with maximum shelf life; fewer ampuls to open means fewer errors in preparation.
- Ready-to-use mixes to meet your lab's complete needs.
- Calibration mixes prepared in two independent lots for assured lot agreement and ordering convenience.



RESTEK

Pure Chromatography

www.restek.com

Volatile Organic Reference Materials for U.S. EPA Method 8260

U.S. Environmental Protection Agency (EPA) Method 8260 outlines the analysis of volatile organic pollutants in solid waste and water samples using purge-and-trap concentration or direct injection with GC-MS.

Restek offers all the required surrogate, internal standard, calibration check, matrix spike, and tuning mixtures required for this method. If your list contains compounds not in our comprehensive listing, we will be happy to provide custom mixtures to meet your specific needs.

Calibration Mixes

8260 MegaMix Calibration Mix (76 components)

Acetonitrile (75-05-8)	<i>trans</i> -1,3-Dichloropropene (10061-02-6)
Acrylonitrile (107-13-1)	Diethyl ether (ethyl ether) (60-29-7)
Allyl chloride (3-chloropropene) (107-05-1)	1,4-Dioxane (123-91-1)
Benzene (71-43-2)	Ethylbenzene (100-41-4)
Bromobenzene (108-86-1)	Ethyl methacrylate (97-63-2)
Bromochloromethane (74-97-5)	Hexachloro-1,3-butadiene (87-68-3)
Bromodichloromethane (75-27-4)	Iodomethane (methyl iodide) (74-88-4)
Bromoform (75-25-2)	Isobutyl alcohol (2-methyl-1-propanol) (78-83-1)
<i>n</i> -Butylbenzene (104-51-8)	Isopropylbenzene (cumene) (98-82-8)
<i>sec</i> -Butylbenzene (135-98-8)	4-Isopropyl toluene (<i>p</i> -Cymene) (99-87-6)
<i>tert</i> -Butylbenzene (98-06-6)	Methacrylonitrile (126-98-7)
Carbon disulfide (75-15-0)	Methyl acrylate (96-33-3)
Carbon tetrachloride (56-23-5)	Methyl methacrylate (80-62-6)
Chlorobenzene (108-90-7)	Methylene chloride (dichloromethane) (75-09-2)
2-Chloroethanol (107-07-3)	Naphthalene (91-20-3)
Chloroform (67-66-3)	Nitrobenzene (98-95-3)
Chloroprene (2-chloro-1,3-butadiene) (126-99-8)	2-Nitropropane (79-46-9)
2-Chlorotoluene (95-49-8)	Pentachloroethane (76-01-7)
4-Chlorotoluene (106-43-4)	Propionitrile (107-12-0)
Dibromochloromethane (124-48-1)	<i>n</i> -Propylbenzene (103-65-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)	Styrene (100-42-5)
1,2-Dibromoethane (EDB) (106-93-4)	1,1,1,2-Tetrachloroethane (630-20-6)
Dibromomethane (74-95-3)	1,1,2,2-Tetrachloroethane (79-34-5)
1,2-Dichlorobenzene (95-50-1)	Tetrachloroethene (127-18-4)
1,3-Dichlorobenzene (541-73-1)	Tetrahydrofuran (109-99-9)
1,4-Dichlorobenzene (106-46-7)	Toluene (108-88-3)
<i>cis</i> -1,4-Dichloro-2-butene (1476-11-5)	1,2,3-Trichlorobenzene (87-61-6)
<i>trans</i> -1,4-Dichloro-2-butene (110-57-6)	1,2,4-Trichlorobenzene (120-82-1)
1,1-Dichloroethane (75-34-3)	1,1,1-Trichloroethane (71-55-6)
1,2-Dichloroethane (107-06-2)	1,1,2-Trichloroethane (79-00-5)
1,1-Dichloroethene (75-35-4)	Trichloroethene (79-01-6)
<i>cis</i> -1,2-Dichloroethene (156-59-2)	1,2,3-Trichloropropane (96-18-4)
<i>trans</i> -1,2-Dichloroethene (156-60-5)	1,1,2-Trichlorotrifluoroethane (CFC-113) (76-13-1)
1,2-Dichloropropane (78-87-5)	1,2,4-Trimethylbenzene (95-63-6)
1,3-Dichloropropane (142-28-9)	1,3,5-Trimethylbenzene (108-67-8)
2,2-Dichloropropane (594-20-7)	<i>m</i> -Xylene (108-38-3)
1,1-Dichloropropene (563-58-6)	<i>o</i> -Xylene (95-47-6)
<i>cis</i> -1,3-Dichloropropene (10061-01-5)	<i>p</i> -Xylene (106-42-3)

2,000 µg/mL each in P&T methanol, 1 mL/ampul

cat.# 30633 (ea.)

Calibration Mixes (cont.)

2-Chloroethyl Vinyl Ether

2-Chloroethyl vinyl ether (110-75-8)

2,000 µg/mL in P&T methanol, 1 mL/ampul cat.# 30265 (ea.)

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

Bromomethane (methyl bromide) (74-83-9) Dichlorodifluoromethane (CFC-12) (75-71-8)
 Chloroethane (ethyl chloride) (75-00-3) Trichlorofluoromethane (CFC-11) (75-69-4)
 Chloromethane (methyl chloride) (74-87-3) Vinyl chloride (75-01-4)

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

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

VOA Calibration Mix #1 (ketones) (4 components)

Acetone (67-64-1) 2-Hexanone (591-78-6)
 2-Butanone (MEK) (78-93-3) 4-Methyl-2-pentanone (MIBK) (108-10-1)

5,000 µg/mL each in P&T methanol:water (90:10), 1 mL/ampul cat.# 30006 (ea.)

California Oxygenates Mix (5 components)

tert-Amyl methyl ether (TAME) (994-05-8), 2,000 µg/mL Ethyl-*tert*-butyl ether (ETBE) (637-92-3), 2,000 µg/mL
tert-Butanol (TBA) (75-65-0), 10,000 µg/mL Methyl *tert*-butyl ether (MTBE) (1634-04-4), 2,000 µg/mL
 Diisopropyl ether (DIPE) (108-20-3), 2,000 µg/mL

In P&T methanol, 1 mL/ampul cat.# 30465 (ea.)

Oxygenates (6 components)

tert-Amyl ethyl ether (TAEE) (919-94-8), 2,000 µg/mL Diisopropyl ether (DIPE) (108-20-3), 2,000 µg/mL
tert-Amyl methyl ether (TAME) (994-05-8), 2,000 µg/mL Ethyl-*tert*-butyl ether (ETBE) (637-92-3), 2,000 µg/mL
tert-Butanol (TBA) (75-65-0), 10,000 µg/mL Methyl *tert*-butyl ether (MTBE) (1634-04-4), 2,000 µg/mL

In P&T methanol, 1 mL/ampul cat.# 30626 (ea.)

8260 Acetate Mix (5 components)

n-Butyl acetate (123-86-4) Isopropyl acetate (108-21-4) Vinyl acetate (108-05-4)
 Ethyl acetate (141-78-6) *n*-Propyl acetate (109-60-4)

2,000 µg/mL each in P&T methanol, 1 mL/ampul cat.# 30477 (ea.)

8260 Acetate Mix (Revised) (7 components)

n-Amyl acetate (628-63-7) Isopropyl acetate (108-21-4) Vinyl acetate (108-05-4)
 Butyl acetate (123-86-4) Methyl acetate (79-20-9)
 Ethyl acetate (141-78-6) Propyl acetate (109-60-4)

2,000 µg/mL each in P&T methanol, 1 mL/ampul cat.# 30489 (ea.)

Single-Component Oxygenates

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

Compound	CAS #	Solvent	Conc.	cat.#
<i>tert</i> -Amyl alcohol	75-85-4	PTM	10,000	30631
<i>tert</i> -Amyl ethyl ether (TAEE)	919-94-8	PTM	2,000	30617
<i>tert</i> -Amyl methyl ether (TAME)	994-05-8	PTM	2,000	30629
<i>tert</i> -Butanol (TBA)	75-65-0	PTM	50,000	30470
<i>tert</i> -Butanol-d9	25725-11-5	PTM	20,000	30618
Diisopropyl ether (DIPE)	108-20-3	PTM	2,000	30627
Ethanol	64-17-5	PTM	2,000	30288
Ethanol	64-17-5	W	10,000	30466
Ethyl- <i>tert</i> -butyl ether (ETBE)	637-92-3	PTM	2,000	30628
Methanol	67-56-1	W	10,000	30467
Methyl <i>tert</i> -butyl ether (MTBE)	1634-04-4	PTM	2,000	30402

PTM = purge-and-trap grade methanol; W = DI water



Antifoam Agent for Purge-and-Trap Samples

Neat, 1 mL/ampul cat.# 31822 (ea.)

No data pack available.

Chloroprene

Chloroprene (126-99-8)

5,000 µg/mL in P&T methanol, 1 mL/ampul cat.# 30238 (ea.)

Note: Because chloroprene is not analyzed by many laboratories, it is not included in our 8240 VOA mixes. Chloroprene is included in our 8260 MegaMix.

1,2-Dichlorotetrafluoroethane (CFC-114)

1,2-Dichlorotetrafluoroethane (CFC-114) (76-14-2)

2,000 µg/mL in P&T methanol, 1 mL/ampul cat.# 30476 (ea.)

Vinyl Acetate

Vinyl acetate (108-05-4)

2,000 µg/mL in P&T methanol, 1 mL/ampul cat.# 30216 (ea.)

Acrolein

Acrolein (107-02-8)

5,000 µg/mL in P&T methanol, 1 mL/ampul cat.# 30645 (ea.)

5,000 µg/mL in water, 1 mL/ampul cat.# 30646 (ea.)

This product has a limited shelf life. We recommend that you order only the ampul quantity that meets your immediate needs.

NOTE: Store standards under frozen conditions (0 °C or colder). We recommend you store ampuls lying flat (horizontally) to prevent breakage. For best results, thaw the contents of the ampul fully and shake the ampul well before opening and using the solution.

QA Mixes

8260A Internal Standard Mix (3 components)

Chlorobenzene-d5 (3114-55-4)
1,4-Dichlorobenzene-d4 (3855-82-1)
Fluorobenzene (462-06-6)

2,500 µg/mL each in P&T methanol, 1 mL/ampul cat.# 30241 (ea.)

8260 Internal Standard Mix (4 components)

Chlorobenzene-d5 (3114-55-4) 1,4-Difluorobenzene (540-36-3)
1,4-Dichlorobenzene-d4 (3855-82-1) Pentafluorobenzene (363-72-4)

2,500 µg/mL each in P&T methanol, 1 mL/ampul cat.# 30074 (ea.)

8260A Surrogate Mix (4 components)

1-Bromo-4-fluorobenzene (BFB) (460-00-4) 1,2-Dichloroethane-d4 (17060-07-0)
Dibromofluoromethane (1868-53-7) Toluene-d8 (2037-26-5)

2,500 µg/mL each in P&T methanol, 1 mL/ampul cat.# 30240 (ea.)

8260 Surrogate Mix (3 components)

1-Bromo-4-fluorobenzene (BFB) (460-00-4)
Dibromofluoromethane (1868-53-7)
Toluene-d8 (2037-26-5)

2,500 µg/mL each in P&T methanol, 1 mL/ampul cat.# 30073 (ea.)

1,4-Dioxane-d8

1,4-Dioxane-d8 (17647-74-4)

2,000 µg/mL in P&T methanol, 1 mL/ampul cat.# 30614 (ea.)

8260 Matrix Spike Mix (5 components)

Benzene (71-43-2) Toluene (108-88-3)
Chlorobenzene (108-90-7) Trichloroethylene (79-01-6)
1,1-Dichloroethene (75-35-4)

2,500 µg/mL each in P&T methanol, 1 mL/ampul cat.# 30479 (ea.)

8240/8260 System Performance Check Mix (5 components)

Bromoform (75-25-2) 1,1-Dichloroethane (75-34-3)
Chlorobenzene (108-90-7) 1,1,2,2-Tetrachloroethane (79-34-5)
Chloromethane (methyl chloride) (74-87-3)

2,000 µg/mL each in P&T methanol, 1 mL/ampul cat.# 30075 (ea.)

8240/8260 Calibration Check Mix (6 components)

Chloroform (67-66-3) Ethylbenzene (100-41-4)
1,1-Dichloroethene (75-35-4) Toluene (108-88-3)
1,2-Dichloropropane (78-87-5) Vinyl chloride (75-01-4)

2,000 µg/mL each in P&T methanol, 1 mL/ampul cat.# 30427 (ea.)

PFTBA (MS Tuning Compound)

Perfluorotributylamine (PFTBA) (311-89-7)

Neat, 1 mL/ampul cat.# 30482 (ea.)

No data pack available.

1-Bromo-4-fluorobenzene (BFB)

1-Bromo-4-fluorobenzene (BFB) (460-00-4)

2,000 µg/mL in P&T methanol, 1 mL/ampul cat.# 30026 (ea.)
2,500 µg/mL in P&T methanol, 1 mL/ampul cat.# 30067 (ea.)
10,000 µg/mL in P&T methanol, 1 mL/ampul cat.# 30082 (ea.)



tech tip

Restek's reference standards are formulated with a balance of product stability and user convenience in mind. Short shelf life standards, such as vinyl acetate and acrolein, should be ordered fresh as needed. Explore the cost savings and convenience of standing/blanket orders for all of your custom and catalog reference standards needs.

www.restek.com/blanket

Method 8240 (Volatile Organic Compounds [VOC]) Mixes

Volatiles MegaMix Standard With Gases (60 components)

Benzene (71-43-2)	1,2-Dichlorobenzene (95-50-1)	Naphthalene (91-20-3)
Bromobenzene (108-86-1)	1,3-Dichlorobenzene (541-73-1)	<i>n</i> -Propylbenzene (103-65-1)
Bromochloromethane (74-97-5)	1,4-Dichlorobenzene (106-46-7)	Styrene (100-42-5)
Bromodichloromethane (75-27-4)	Dichlorodifluoromethane (CFC-12) (75-71-8)	1,1,1,2-Tetrachloroethane (630-20-6)
Bromoform (75-25-2)	1,1-Dichloroethane (75-34-3)	1,1,2,2-Tetrachloroethane (79-34-5)
Bromomethane (methyl bromide) (74-83-9)	1,2-Dichloroethane (107-06-2)	Tetrachloroethene (127-18-4)
<i>n</i> -Butylbenzene (104-51-8)	1,1-Dichloroethene (75-35-4)	Toluene (108-88-3)
<i>sec</i> -Butylbenzene (135-98-8)	<i>cis</i> -1,2-Dichloroethene (156-59-2)	1,2,3-Trichlorobenzene (87-61-6)
<i>tert</i> -Butylbenzene (98-06-6)	<i>trans</i> -1,2-Dichloroethene (156-60-5)	1,2,4-Trichlorobenzene (120-82-1)
Carbon tetrachloride (56-23-5)	1,2-Dichloropropane (78-87-5)	1,1,1-Trichloroethane (71-55-6)
Chlorobenzene (108-90-7)	1,3-Dichloropropane (142-28-9)	1,1,2-Trichloroethane (79-00-5)
Chloroethane (ethyl chloride) (75-00-3)	2,2-Dichloropropane (594-20-7)	Trichloroethene (79-01-6)
Chloroform (67-66-3)	1,1-Dichloropropene (563-58-6)	Trichlorofluoromethane (CFC-11) (75-69-4)
Chloromethane (methyl chloride) (74-87-3)	<i>cis</i> -1,3-Dichloropropene (10061-01-5)	1,2,3-Trichloropropane (96-18-4)
2-Chlorotoluene (95-49-8)	<i>trans</i> -1,3-Dichloropropene (10061-02-6)	1,2,4-Trimethylbenzene (95-63-6)
4-Chlorotoluene (106-43-4)	Ethylbenzene (100-41-4)	1,3,5-Trimethylbenzene (108-67-8)
Dibromochloromethane (124-48-1)	Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)	Vinyl chloride (75-01-4)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)	Isopropylbenzene (cumene) (98-82-8)	<i>m</i> -Xylene (108-38-3)
1,2-Dibromoethane (EDB) (106-93-4)	4-Isopropyltoluene (<i>p</i> -Cymene) (99-87-6)	<i>o</i> -Xylene (95-47-6)
Dibromomethane (74-95-3)	Methylene chloride (dichloromethane) (75-09-2)	<i>p</i> -Xylene (106-42-3)

200 µg/mL each in P&T methanol, 1 mL/ampul

cat.# 30603 (ea.)

502.2 MegaMix Standard (54 components)

Includes all target analytes except the six gases, which are available separately as 502.2 Calibration Mix #1.

Benzene (71-43-2)	1,3-Dichlorobenzene (541-73-1)	Naphthalene (91-20-3)
Bromobenzene (108-86-1)	1,4-Dichlorobenzene (106-46-7)	<i>n</i> -Propylbenzene (103-65-1)
Bromochloromethane (74-97-5)	1,1-Dichloroethane (75-34-3)	Styrene (100-42-5)
Bromodichloromethane (75-27-4)	1,2-Dichloroethane (107-06-2)	1,1,1,2-Tetrachloroethane (630-20-6)
Bromoform (75-25-2)	1,1-Dichloroethene (75-35-4)	1,1,2,2-Tetrachloroethane (79-34-5)
<i>n</i> -Butylbenzene (104-51-8)	<i>cis</i> -1,2-Dichloroethene (156-59-2)	Tetrachloroethene (127-18-4)
<i>sec</i> -Butylbenzene (135-98-8)	<i>trans</i> -1,2-Dichloroethene (156-60-5)	Toluene (108-88-3)
<i>tert</i> -Butylbenzene (98-06-6)	1,2-Dichloropropane (78-87-5)	1,2,3-Trichlorobenzene (87-61-6)
Carbon tetrachloride (56-23-5)	1,3-Dichloropropane (142-28-9)	1,2,4-Trichlorobenzene (120-82-1)
Chlorobenzene (108-90-7)	2,2-Dichloropropane (594-20-7)	1,1,1-Trichloroethane (71-55-6)
Chloroform (67-66-3)	1,1-Dichloropropene (563-58-6)	1,1,2-Trichloroethane (79-00-5)
2-Chlorotoluene (95-49-8)	<i>cis</i> -1,3-Dichloropropene (10061-01-5)	Trichloroethene (79-01-6)
4-Chlorotoluene (106-43-4)	<i>trans</i> -1,3-Dichloropropene (10061-02-6)	1,2,3-Trichloropropane (96-18-4)
Dibromochloromethane (124-48-1)	Ethylbenzene (100-41-4)	1,2,4-Trimethylbenzene (95-63-6)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)	Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)	1,3,5-Trimethylbenzene (108-67-8)
1,2-Dibromoethane (EDB) (106-93-4)	Isopropylbenzene (cumene) (98-82-8)	<i>m</i> -Xylene (108-38-3)
Dibromomethane (74-95-3)	4-Isopropyltoluene (<i>p</i> -cymene) (99-87-6)	<i>o</i> -Xylene (95-47-6)
1,2-Dichlorobenzene (95-50-1)	Methylene chloride (dichloromethane) (75-09-2)	<i>p</i> -Xylene (106-42-3)

200 µg/mL each in P&T methanol, 1 mL/ampul

cat.# 30432 (ea.)

2,000 µg/mL each in P&T methanol, 1 mL/ampul

cat.# 30431 (ea.)

What are Certified Reference Materials (CRMs)?

A CRM from Restek is in an exclusive subset of reference standards that meets the following set of strict criteria defined under ISO Guide 34 and ISO/IEC 17025:

- Made of raw materials characterized via qualified methods on qualified instruments.
- Produced in an ISO-accredited lab under documented procedures.
- Falls under the manufacturer's scopes of accreditation.

To learn more about Restek's ISO quality credentials and to view our certificates (including scopes of accreditation), visit www.restek.com/iso



Method 8240 (Volatile Organic Compounds [VOC]) Mixes *(cont.)*

BTEX Standard (6 components)

Benzene (71-43-2)
Ethylbenzene (100-41-4)
Toluene (108-88-3)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

200 µg/mL each in P&T methanol, 1 mL/ampul	cat.# 30051 (ea.)
2,000 µg/mL each in P&T methanol, 1 mL/ampul	cat.# 30213 (ea.)
2,000 µg/mL each in P&T methanol (<i>m</i> - & <i>p</i> -xylene at 1,000 µg/mL), 1 mL/ampul	cat.# 30488 (ea.)



did you know?

We have more than 4,000 pure, characterized, neat compounds in our inventory! If you do not see the EXACT mixture you need listed here, call us.

See www.restek.com/solutions for our Custom Reference Materials Request Form.

VOA Purgeable Halocarbon Mix #1 (23 components)

Bromodichloromethane (75-27-4)	1,2-Dichloropropane (78-87-5)
Bromoform (75-25-2)	<i>cis</i> -1,3-Dichloropropene (10061-01-5)
Carbon tetrachloride (56-23-5)	<i>trans</i> -1,3-Dichloropropene (10061-02-6)
Chlorobenzene (108-90-7)	Methylene chloride (dichloromethane) (75-09-2)
2-Chloroethyl vinyl ether (110-75-8)	1,1,2,2-Tetrachloroethane (79-34-5)
Chloroform (67-66-3)	Tetrachloroethene (127-18-4)
Dibromochloromethane (124-48-1)	1,1,1-Trichloroethane (71-55-6)
1,2-Dichlorobenzene (95-50-1)	1,1,2-Trichloroethane (79-00-5)
1,3-Dichlorobenzene (541-73-1)	Trichloroethene (79-01-6)
1,4-Dichlorobenzene (106-46-7)	
1,1-Dichloroethane (75-34-3)	
1,2-Dichloroethane (107-06-2)	
1,1-Dichloroethene (75-35-4)	
<i>trans</i> -1,2-Dichloroethene (156-60-5)	

2,000 µg/mL each in P&T methanol, 1 mL/ampul	cat.# 30212 (ea.)
--	-------------------

8240 Alcohols Mix (5 components)

Allyl alcohol (2-propen-1-ol) (107-18-6)
2-Chloroethanol (107-07-3)
Ethanol (64-17-5)
Isobutyl alcohol (78-83-1)
Propargyl alcohol (107-19-7)

2,000 µg/mL each in P&T methanol, 1 mL/ampul	cat.# 30214 (ea.)
--	-------------------

8240 Nitriles Mix (7 components)

Acrylonitrile (107-13-1)
Ethyl methacrylate (97-63-2)
Malononitrile (109-77-3)
Methacrylonitrile (126-98-7)
Methyl methacrylate (80-62-6)
Propionitrile (107-12-0)
Styrene (100-42-5)

2,000 µg/mL each in P&T methanol, 1 mL/ampul	cat.# 30215 (ea.)
--	-------------------

Glycols Standard (2 components)

Ethylene glycol (107-21-1)
Propylene glycol (57-55-6)

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

Recommended GC Columns for U.S. EPA Method 8260

Rtx-VMS Columns (fused silica)

proprietary Crossbond phase

ID	df	temp. limits	30-Meter cat.#	60-Meter cat.#	75-Meter cat.#
0.25 mm	1.40 μm	-40 to 240/260 °C	19915	19916	
0.32 mm	1.80 μm	-40 to 240/260 °C	19919	19920	
0.45 mm	2.55 μm	-40 to 240/260 °C	19908	19909	
0.53 mm	3.00 μm	-40 to 240/260 °C	19985	19988	19974

ID	df	temp. limits	20-Meter cat.#	40-Meter cat.#
0.18 mm	1.00 μm	-40 to 240/260 °C	49914	49915



Rxi-624Sil MS Columns (fused silica)

midpolarity Crossbond phase

ID	df	temp. limits	20-Meter cat.#	30-Meter cat.#	60-Meter cat.#	75-Meter cat.#	105-Meter cat.#
0.18 mm	1.00 μm	-20 to 300/320 °C	13865	—	—	—	—
0.25 mm	1.40 μm	-20 to 300/320 °C	—	13868	13869	—	—
0.32 mm	1.80 μm	-20 to 300/320 °C	—	13870	13872	—	—
0.53 mm	3.00 μm	-20 to 280/300 °C	—	13871	13873	13874	13875

free data

Available on Our Website: Lot Certificates, Data Packs, and MSDSs

For complete information detailing manufacturing and testing for Restek-inventoried reference standards, just visit our website at www.restek.com

To view lot certificates and/or an MSDS, enter the catalog number of the product in the search feature. For a free data pack, as a printable pdf file, enter the catalog number and lot number of the product.



**Build a Rock-Solid
Analytical Foundation with
Restek Reference Standards**

Visit us at www.restek.com/standards





Consolidate Orders with Restek

Along with both primary- and secondary-source reference standards, you can order all of your GC and LC columns, sample preparation supplies, accessories, and more from Restek!

www.restek.com



RESTEK
Pure Chromatography

Questions about this or any other Restek product?
Contact us or your local Restek representative (www.restek.com/contact-us).

Restek patents and trademarks are the property of Restek Corporation. (See www.restek.com/Patents-Trademarks for full list.) Other trademarks in Restek literature or on its website are the property of their respective owners. Restek registered trademarks are registered in the U.S. and may also be registered in other countries.

© 2017 Restek Corporation. All rights reserved. Printed in the U.S.A.

www.restek.com



Lit. Cat.# EVSS2544-UNV