



## US EPA Volatiles

### Analytical Standards for Drinking Water, Wastewater and Solid Waste Single & Multi-Component Standards for GC & GC/MS

#### Designed for Methods:

500 Series • 600 Series • 8000 Series • CLP Series

For additional product information, please visit [www.spexcertiprep.com/organic-standards/volatiles](http://www.spexcertiprep.com/organic-standards/volatiles).

#### Method 500 Series

Description	Concentration	Volume	Matrix	# of Comp.	Part #
<b>Method 502</b>					
Mix B-Purgeable Gases (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	6	5022-BH
Mix B-Purgeable Gases	200 µg/mL	1 mL	Methanol-P&T	6	5022-B
Trihalomethanes (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	4	THM-XH
Trihalomethanes	200 µg/mL	1 mL	Methanol-P&T	4	THM-X
<b>Method 524</b>					
Method 524.3 Mix A	2,000 µg/mL	1 mL	Methanol-P&T	6	5243-G
Method 524.3 Supplemental Mix	2,000 µg/mL	1 mL	Methanol	8	5243-A
UCMR-3	Multiple	1 mL	Methanol-P&T	9	UCMR-3
Combination Mix - Analyte Mixes A, C & D	2,000 µg/mL	1 mL	Methanol-P&T	54	5242-VCX
EPA Method 524.2 Volatile Calibration Std.	200 µg/mL	1 mL	Methanol-P&T	54	5242-VCX-200
Method 524.2 - Revision 4 Mix	200 µg/mL	1 mL	Methanol-P&T	24	5242-R4200
Method 524.2 - Revision 4 Mix (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	24	5242-R4
Fortification Solution	1,000 µg/mL	1 mL	Methanol-P&T	3	5242-F
GC/MS Tuning Standard (BFB) (High Level)	2,500 µg/mL	1 mL	Methanol-P&T	1	CLPV-TH
4-Bromofluorobenzene	1,000 µg/mL	1 mL	Methanol-P&T	1	S-550
Method 524.3 Mix B	2,000 µg/mL	1 mL	Methanol	69	5243-VCM
Internal Standard	2,000 µg/mL	1 mL	Methanol-P&T	1	5242-I
Surrogate Standard	1,000 µg/mL	1 mL	Methanol-P&T	2	5242-S
Internal Standard	2,000 µg/mL	1 mL	Methanol-P&T	3	5243-I
<b>Method 551</b>					
Chlorinated Disinfection By-Products, Solvents and Trihalomethanes	2,000 µg/mL	1 mL	Acetone	15	5511-A
Halogenated Pesticides and Herbicides Mix	2,000 µg/mL	1 mL	Acetone	16	5511-PH
Internal Standard	10,000 µg/mL	1 mL	Acetone	1	5511-I
Laboratory Performance Check Solution	Multiple	1 mL	Methyl tert-butyl ether	7	5511-PC

### CERTIFIED REFERENCE MATERIALS

SPEX CertiPrep is the industry leader for over 60 years in the CRM marketplace meeting the needs of laboratories worldwide with innovation and research. Accredited by A2LA to ISO/IEC 17025:2005 & ISO 17034:2016. Certified by DQS to ISO 9001:2015.

**Method 600 Series**

Description	Concentration	Volume	Matrix	# of Comp.	Part #
<b>Method 601</b>					
Volatile Organics Combination Mix	200 µg/mL	1 mL	Methanol-P&T	23	601-A
Mix B-Purgeable Gases (High Levels)	2,000 µg/mL	1 mL	Methanol-P&T	6	5022-BH
Mix B-Purgeable Gases	200 µg/mL	1 mL	Methanol-P&T	6	5022-B
<b>Method 602</b>					
Purgeable Aromatics for Gasoline Identification	2,000 µg/mL	1 mL	Methanol-P&T	11	P-GAS
BTEX Standard (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	6	BTEX-H
BTEX Standard	200 µg/mL	1 mL	Methanol-P&T	6	BTEX
Alternate BTEX Standard	Multiple	1 mL	Methanol-P&T	6	BTEX-2-1H
Internal/Surrogate Standard	200 µg/mL	1 mL	Methanol-P&T	1	602-I
<b>Method 603</b>					
Acrolein and Acrylonitrile	2,000 µg/mL	1 mL	Water	2	603-X
Acrolein and Acrylonitrile	2,000 µg/mL	1 mL	Methanol-P&T	2	603-XM
<b>Method 624</b>					
Mix A (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	15	CLPV-AH
Mix A	200 µg/mL	1 mL	Methanol-P&T	15	CLPV-A
Mix B-Purgeable Gases (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	5	624-BH
Mix B-Purgeable Gases	200 µg/mL	1 mL	Methanol-P&T	5	624-B
Mix C (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	8	624-CH
Mix C	200 µg/mL	1 mL	Methanol-P&T	8	624-C
Mix D (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	3	624-DH
Mix D	200 µg/mL	1 mL	Methanol-P&T	3	624-D
Combination Mix Analyte Mix A	2,000 µg/mL	1 mL	Methanol-P&T	26	624-A
Internal Standard	1,000 µg/mL	1 mL	Methanol-P&T	3	624-I
Surrogate Standard	1,000 µg/mL	1 mL	Methanol-P&T	3	624-S

**Method 8000 Series**

Description	Concentration	Volume	Matrix	# of Comp.	Part #
<b>Method 8011</b>					
EDB/DBCP (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	2	504-AH
<b>Method 8015</b>					
Alcohols Mix	2,000 µg/mL	1 mL	Water	9	8015B-A
Oxygenates Calibration Mix	2,000 µg/mL	1 mL	Methanol-P&T	5	8015-OX
Acrolein and Acrylonitrile	2,000 µg/mL	1 mL	Water	2	603-X
Acrolein and Acrylonitrile	2,000 µg/mL	1 mL	Methanol-P&T	2	603-XM
<b>Method 8021</b>					
Volatile Organics Combination Mix	2,000 µg/mL	1 mL	Methanol-P&T	54	5242-VCX
EPA Method 524.2 Volatile Calibration Standard	200 µg/mL	1 mL	Methanol-P&T	54	5242-VCX-200
Mix A	2,000 µg/mL	1 mL	Methanol-P&T	10	8020-A
Mix B-Purgeable Gases (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	6	5022-BH
Mix B-Purgeable Gases	200 µg/mL	1 mL	Methanol-P&T	6	5022-B
Internal Standard	200 µg/mL	1 mL	Methanol-P&T	1	602-I
Internal Standard	1,000 µg/mL	1 mL	Methanol-P&T	2	5022-I
Surrogate Standard	1,000 µg/mL	1 mL	Methanol-P&T	1	8021B-S
<b>Method 8260</b>					
Mix A (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	15	CLPV-AH
Mix A	200 µg/mL	1 mL	Methanol-P&T	15	CLPV-A
Mix B-Purgeable Gases (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	6	5022-BH
Mix B-Purgeable Gases	200 µg/mL	1 mL	Methanol-P&T	6	5022-B
Mix C (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	22	5242-CH
Mix D (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	17	5242-DH
Volatile Organics Combination Mix	2,000 µg/mL	1 mL	Methanol-P&T	54	5242-VCX
EPA Method 524.2 Volatile Calibration Standard	200 µg/mL	1 mL	Methanol-P&T	54	5242-VCX-200

**"Long List" Appendix for Compounds for 8260B**

Description	Concentration	Volume	Matrix	# of Comp.	Part #
<b>Method 8260B</b>					
Mix E (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	7	8260-EH
Mix E	200 µg/mL	1 mL	Methanol-P&T	7	8260-E
2-Chloroethylvinyl Ether Stock Standard	1,000 µg/mL	1 mL	Methanol-P&T	1	S-855
Vinyl Acetate Stock Standard	1,000 µg/mL	1 mL	Methanol-P&T	1	S-3800
Combined Stock Standard	2,000 µg/mL	1 mL	Methanol-P&T	2	CNVA
Ethylene Oxide Stock Standard	1,000 µg/mL	1 mL	Methanol-P&T	1	S-1960
Xylene-Free Chloroprene Stock Standard	1,000 µg/mL	1 mL	Methanol-P&T	1	S-930

**CLP Series - Volatiles**

Description	Concentration	Volume	Matrix	# of Comp.	Part #
<b>Method 8260B</b>					
Volatiles Mix for OML04.1	2,000 µg/mL	1 mL	Methanol-P&T	44	CLPV-43CH
Mix B-Purgeable Gases (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	6	5022-BH
Mix B-Purgeable Gases	200 µg/mL	1 mL	Methanol-P&T	6	5022-B
Volatile Organics Combination Standards	2,000 µg/mL	1 mL	Methanol-P&T	32	CLPV-32CH
Mix B-Purgeable Gases (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	4	CLPV-BH
Volatiles Mix A (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	15	CLPV-AH
Volatiles Mix A	200 µg/mL	1 mL	Methanol-P&T	15	CLPV-A
Volatiles Mix D (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	8	CLPV-D90H
Volatiles Mix D for CLP SOW Alternate (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	9	CLPV-DH
Supplementary Volatiles Mix for CLP OLM04.1	200 µg/mL	1 mL	Methanol-P&T	12	CLPV-041X
Combined Stock Standards	2,000 µg/mL	1 mL	Methanol-P&T	2	CNVA
Volatile Surrogate Standard (High Level)	2,500 µg/mL	1 mL	Methanol-P&T	3	CLPV-SH
Matrix Spike (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	5	CLPV-MH
GC/MS Tuning Standard (BFB) (High Level)	2,500 µg/mL	1 mL	Methanol-P&T	1	CLPV-TH

**The 60 Big Mix**

The most routinely analyzed volatile compounds in one ampule! All compounds checked on our GC/MS ensuring the highest quality, at an affordable price.

Description	Concentration	Volume	Matrix	# of Comp.	Part #
Volatile Organics Mix	1,000 µg/mL	1 mL	Methanol P&T	60	60-BIG-MIX
Volatile Organics Mix (Low Level)	200 µg/mL	1 mL	Methanol P&T	60	60-BIG-MIX-200
Volatile Organics Mix (High Level)	2,000 µg/mL	1 mL	Methanol P&T	60	60-BIG-MIX-2000

**The Big Mix**

Volatiles organics mix with 76 certified components.

Description	Concentration	Volume	Matrix	# of Comp.	Part #
Volatile Organics Mix	2,000 µg/mL	1 mL	Methanol P&T	76	8260-BIG-MIX

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