



## US EPA Volatiles

- Standards for drinking water, wastewater and solid waste
- Single and multi-component standards



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# US EPA Volatiles

## Analytical Standards for Drinking Water, Wastewater and Solid Waste

Single and multi-component standards for GC and GC/MS. Designed for US EPA 500 Series, 600 series, 8000 series and CLP series methods.

Custom standards are also available. Contact us at +1.732.549.7144 or via email at [spexsales@antylia.com](mailto:spexsales@antylia.com).



Organic Certified  
Reference Materials



Designed for use with  
GC, GC/MS



Supplied with a  
Certificate of Analysis



ISO Accredited  
Standards

# US EPA Volatiles

## 500 Series

### Method 502

Description	Concentration	Volume	Matrix	Number of Components	Part #
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

### Method 524

Description	Concentration	Volume	Matrix	Number of Components	Part #
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

# US EPA Volatiles

## 500 Series (continued)

Method 551					
Description	Concentration	Volume	Matrix	Number of Components	Part #
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 tertiary-butyl ether	7	5511-PC

## 600 Series

Method 601					
Description	Concentration	Volume	Matrix	Number of Components	Part #
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	5	5022-B

Method 602					
Description	Concentration	Volume	Matrix	Number of Components	Part #
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

# US EPA Volatiles

## 600 Series (continued)

### Method 603

Description	Concentration	Volume	Matrix	Number of Components	Part #
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

### Method 624

Description	Concentration	Volume	Matrix	Number of Components	Part #
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

# US EPA Volatiles

## 8000 Series

### Method 8011

Description	Concentration	Volume	Matrix	Number of Components	Part #
EDB/DBCP (High Level)	2,000 µg/mL	1 mL	Methanol-P&T	2	504-AH

### Method 8015

Description	Concentration	Volume	Matrix	Number of Components	Part #
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

### Method 8021

Description	Concentration	Volume	Matrix	Number of Components	Part #
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

# US EPA Volatiles

## 8000 Series (continued)

Method 8260					
Description	Concentration	Volume	Matrix	Number of Components	Part #
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 Method 8260B					
Description	Concentration	Volume	Matrix	Number of Components	Part #
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

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## CLP Series

CLP Series					
Description	Concentration	Volume	Matrix	Number of Components	Part #
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 standards at an affordable price.

Description	Concentration	Volume	Matrix	Number of Components	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



# US EPA Volatiles

## The Big Mix

Volatile organics mix with 76 certified components.

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

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