

Universal Solvent GC Method Table

SUBSTANCE

CAS#

media

LOQ

Acetone	67-64-1	OVM-3500/3520	10µg
		226-01, 226-09 (CT)	5µg
		ORBO 91 (CT)	5µg
Acetonitrile	75-05-8	OVM-3500/3520	10µg
		226-01, 226-09 (CT)	10µg
Acrylonitrile	107-13-1	OVM-3500/3520	2µg
		226-01	2µg
Allyl Alcohol	107-18-6	OVM-3500/3520	6µg
Allyl Chloride	107-05-1	226-09	5µg
Amyl Acetate (mixed isomers)	628-63-7	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Aromatic 100	64742-95-6	OVM-3500/3520	100µg
		226-01, 226-09 (CT)	100µg
Aromatic 150	64742-94-5	OVM-3500/3520	100µg
		226-01, 226-09 (CT)	100µg
Benzene	71-43-2	OVM-3500/3520	2µg
		226-01, 226-09 (CT)	2µg
Benzyl Alcohol	100-51-6	OVM-3500/3520	20µg
		226-01 (CT)	10µg
Benzyl Chloride	100-44-7	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
1 - Bromopropane (Propyl Bromide)	106-94-5	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
1,3 - Butadiene	106-99-0	OVM-3500/3520	2.5µg
		226-73 (Anasorb)	2µg

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LOQ

2 - Butanone (Methyl Ethyl Ketone)

78-93-3

OVM-3500/3520

10µg

Method requires two tubes in series. Results may be biased low when submitting one tube for analysis.

226-01, 226-09 (CT)

5µg

ORBO 90 (CT)

5µg

ORBO 91 (CT)

5µg

226-81A (Anasorb)

5µg

2- Butoxyethanol (Butyl Cellosolve)

111-76-2

OVM-3500/3520

10µg

226-01, 226-09 (CT)

10µg

Butoxyethyl Acetate (Butyl Cellosolve Acetate)

112-07-2

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

n - Butyl Acetate

123-86-4

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

t - Butyl Acetate

540-88-5

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

Butyl Acrylate

141-32-2

OVM-3500/3520

3µg

NOTE: 226-01 Charcoal is not the preferred media, results may be qualified as semi-quantitative

226-30-04 (XAD)

3µg

226-01

3µg

226-73 (Anasorb)

3µg

n - Butyl Alcohol

71-36-3

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

s - Butyl Alcohol

78-92-2

OVM-3500/3520

10µg

226-01, 226-09 (CT)

10µg

t - Butyl Alcohol

75-65-0

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

Butyl Carbitol

112-34-5

OVM-3500/3520

10µg

226-01, 226-09 (CT)

10µg

n - Butyl Glycidyl Ether

2426-08-6

OVM-3500/3520

3µg

226-01, 226-09 (CT)

5µg

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Butyl Methacrylate	97-88-1	OVM-3500/3520	3µg
		226-30-04 (XAD)	3µg
		226-73 (Anasorb)	3µg
		226-01 (PM)	3µg
Butyrolactone	96-48-0	226-01, 226-09 (CT)	5µg
Carbon Tetrachloride	56-23-5	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	20µg
Chlorobenzene	108-90-7	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Chloroform	67-66-3	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Cumene	98-82-8	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Cyclohexane	110-82-7	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Cyclohexanone	108-94-1	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Cyclohexene	110-83-8	226-01, 226-09 (CT)	5µg
		OVM-3500/3520	5µg
Decamethylcyclopentasiloxane	541-02-6	226-01, 226-09 (CT)	6µg
Diacetone Alcohol	123-42-2	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
m-Dichlorobenzene	541-73-1	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
o - Dichlorobenzene	95-50-1	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
p - Dichlorobenzene	106-46-7	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg

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LOQ

1,1 - Dichloroethane	75-34-3	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
1,1, - Dichloroethylene	75-35-4	OVM 3500/3520	5ug
		226-01,226-09	5ug
1,2 - Dichloroethane (Ethylene Dichloride)	107-06-2	OVM-3500/3520	5µg
		226-01, 226-09	5µg
1,2 - Dichloroethylene	540-59-0	OVM-3500/3520	10µg
		226-01, 226-09 (CT)	10µg
CIS 1,2-Dichloroethylene	156-59-2	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
TRANS 1,2-Dichloroethylene	156-60-5	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Diethylene Glycol Monoethyl Ether	111-90-0	OVM 3500/3520	5µg
		226-01, 226-09 (CT)	20µg
Diethylene Glycol Monoethyl Ether Acetate	112-15-2	OVM-3500/3520	4µg
Diethylene Glycol Monomethyl Ether	111-77-3	226-01, 226-09 (CT)	5µg
Diisobutyl Ketone	108-83-8	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Dipropylene Glycol MonoMethyl Ether	34590-94-8	OVM-3500/3520	20µg
		226-01, 226-09 (CT)	20µg
Dipropylene Glycol MonoMethyl Ether Acetate	88917-22-0	OVM-3500/3520	20µg
Dimethylaminoethyl Methacrylate	2867-47-2	226-30-04 (XAD)	5µg
1,4-Dioxane	123-91-1	OVM 3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Epichlorohydrin	106-89-8	OVM-3500/3520	1µg
		226-01, 226-09 (CT)	1.5µg
2 - Ethoxyethanol (Cellosolve)	110-80-5	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	10µg

Universal Solvent GC Method Table

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media

LOQ

2 - Ethoxyethyl Acetate
(Cellosolve Acetate)

111-15-9

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

Ethyl Acetate

141-78-6

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

Ethyl Acrylate

140-88-5

OVM-3500/3520

3µg

NOTE: 226-01 Charcoal is not the preferred media, results may be qualified as semi-quantitative

226-01

3µg

226-73 (Anasorb)

3µg

226-30-04 (XAD)

3µg

Ethyl Alcohol

64-17-5

OVM-3500/3520

5µg

226-01 (CT)

5µg

226-09 (CT)

5µg

226-82A (Anasorb)

2µg

Ethyl Benzene

100-41-4

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

Ethylene Dibromide

106-93-4

226-01, 226-09 (CT)

5µg

Ethylene Glycol Dimethyl Ether

110-71-4

OVM-3500/3520

5µg

Ethyl Ether

60-29-7

226-01, 226-09 (CT)

5µg

OVM-3500/3520

5µg

Ethyl Methacrylate

97-63-2

OVM-3500/3520

3µg

NOTE: 226-01 Charcoal is not the preferred media.

226-30-04 (XAD)

3µg

226-73 (Anasorb)

3µg

226-01 (CT)

3µg

Gasoline

8006-61-9

226-01, 226-09 (CT)

100µg

OVM 3500/3520

100µg

Heptane

142-82-5

OVM-3500/3520

5µg

226-01 (CT)

5µg

Hexane

110-54-3

OVM-3500/3520

5µg

(n - Hexane)

226-01, 226-09

5µg

Universal Solvent GC Method Table

SUBSTANCE

CAS#

media

LOQ

Isoamyl Acetate	123-92-2	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Isobutyl Acetate	110-19-0	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Isobutyl Alcohol	78-83-1	OVM-3500/3520	10µg
		226-01, 226-09 (CT)	10µg
Isobutyl Isobutyrate	97-85-8	226-01,226-09	10ug
Isohexane	107-83-5	OVM-3500/3520	5µg
Isooctane (2,2,4-Trimethylpentane)	540-84-1	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
ISOPARG	64742-48-9	OVM-3500/3520	100µg
		226-01, 226-09 (CT)	100µg
Isophorone	78-59-1	OVM-3500/3520	4µg
		226-01, 226-09 (CT)	5µg
		226-81A	5µg
Isopropyl Acetate	108-21-4	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Isopropyl Alcohol (Isopropanol)	67-63-0	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
		226-82A (Anasorb)	5µg
Kerosene	8008-20-6	OVM-3500/3520	100µg
		226-01, 226-09 (CT)	100µg
Limonene	5989-27-5	OVM-3500/3520	10µg
		226-01, 226-09 (CT)	10µg
Methanol	67-56-1	226-82	5µg
Menthol	89-78-1	OVM-3500/3520	10µg
		226-01, 226-09 (CT)	10µg

NOTE: Desorption efficiency is less than 75%, results will be qualified as semi-quantitative.

Universal Solvent GC Method Table

SUBSTANCE

CAS#

media

LOQ

2 - Methoxyethanol	109-86-4	OVM-3500/3520	2µg
		226-01, 226-09 (CT)	2µg
2- Methoxyethyl Acetate (Methyl Cellosolve Acetate)	110-49-6	OVM-3500/3520	6µg
		226-01, 226-09 (CT)	10µg
1 - Methoxy - 2 - Propanol (Propylene Glycol Methyl Ether)	107-98-2	OVM-3500/3520	20µg
		226-01, 226-09 (CT)	5µg
1- Methoxy - 2 - Propyl Acetate (Propylene Glycol Methyl Ether Acetate)	108-65-6	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Methyl Acetate	79-20-9	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Methyl Acrylate <small>NOTE: 226-01 Charcoal is not the preferred media, results may be qualified as semi-quantitive</small>	96-33-3	OVM-3500/3520	3µg
		226-30-04 (XAD)	3µg
		226-73 (Anasorb)	3µg
		226-01 (CT)	3µg
Methyl Amyl Ketone	110-43-0	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Methyl Bromide	74-83-9	226-83 (Anasorb)	5µg
Methyl n-Butyl Ketone (2-Hexanone)	591-78-6	OVM-3500/3520	3µg
		226-01,226-09 (CT)	3µg
Methyl Chloroform (1,1,1 - Trichloroethane)	71-55-6	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Methyl Cyclohexane	108-87-2	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Methyl Ethyl Ketone (2-Butanone)	78-93-3	OVM-3500/3520	5µg
		226-01,226-09	5µg
		Orbo 90	5µg
		Orbo 91	5µg
		226-81A	5µg

Universal Solvent GC Method Table

SUBSTANCE

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media

LOQ

Methyl Isoamyl Ketone	110-12-3	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Methylene Chloride <small>Method requires two tubes in series. Results may be biased low when submitting one tube for analysis.</small>	75-09-2	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
		ORBO 90 (CT)	10µg
		ORBO 91 (CT)	10µg
Methyl Isobutyl Ketone (Hexone)	108-10-1	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Methyl Methacrylate	80-62-6	OVM-3500/3520	3µg
		226-73 (Anasorb)	3µg
		226-30-04 (XAD)	3µg
		226-01 (CT)	3µg
Methyl n-Propyl Ketone (2-Pentanone)	107-87-9	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Alpha-Methyl Styrene <small>NOTE: 226-01 Charcoal is not the preferred media, results may be qualified as semi-quantitative</small>	98-83-9	OVM-3500/3520	10µg
		226-01	10µg
3-Methyl Styrene	100-80-1	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	6µg
4-Methyl Styrene	622-97-9	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	6µg
Methyl Tert - Butyl Ether	1634-04-4	226-37 (CT)	5µg
Naphtha (VM&P)	8030-30-6	OVM-3500/3520	100µg
		226-01, 226-09 (CT)	100µg
Naphthalene <small>NOTE: Charcoal is not the preferred media for this analysis. All results will be qualified as semi-quantitative. For quantitative results use Chromosorb 226-110.</small>	91-20-3	OVM-3500/3520	8µg
		226-01	10µg
		226-09	30µg
Nonane	111-84-2	OVM-3500/3520	2µg
Octamethylcyclotetrasiloxane	556-67-2	226-01, 226-09	6µg

Universal Solvent GC Method Table

SUBSTANCE

CAS#

media

LOQ

Octane	111-65-9	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
n - Pentane	109-66-0	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
3-Pentanone	96-22-0	OVM-3500/3520	5µg
		226-01, 226-09	5µg
Petroleum Ether	8032-32-4	OVM-3500/3520	100µg
		226-01, 226-09 (CT)	100µg
4-Phenylcyclohexene (Carpet Gas)	4994-16-5	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Phenyl Ether	101-84-8	226-01, 226-09 (CT)	3µg
Phenyl Glycidyl Ether	122-60-1	226-01, 226-09 (CT)	10µg
n-Propyl Acetate	109-60-4	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
n - Propyl Alcohol	71-23-8	OVM-3500/3520	10µg
		226-01, 226-09 (CT)	10µg
Propyl Bromide (1 - Bromopropane)	106-94-5	OVM-3500/3520	5µg
		226-01, 226-09 (CT)	5µg
Propyl Cellosolve	2807-30-9	OVM-3500/3520	10µg
		226-01, 226-09	10µg
Propylene Glycol Monomethyl Ether (1-Methoxy-2-Propanol)	107-98-2	OVM-3500/3520	20µg
		226-01, 226-09	5µg
Propylene Glycol Monomethyl Ether Acetate (1-Methoxy-2- Propyl Acetate)	108-65-6	OVM-3500/3520	5µg
		226-01, 226-09	5µg
Propylene Glycol Propyl Ether	1569-01-3	OVM-3500/3520	2µg
Stoddard Solvent	8052-41-3	OVM-3500/3520	100µg
		226-01, 226-09 (CT)	100µg

Universal Solvent GC Method Table



SUBSTANCE

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media

LOQ

Styrene

100-42-5

OVM-3500/3520

5µg

NOTE: 226-01/226-09 Charcoal is not the preferred media, results may be qualified as semi-quantitative.

226-01

20µg

226-09

200µg

1,1,2,2 - Tetrachloroethane

79-34-5

226-01, 226-09 (CT)

5µg

Tetrahydrofuran

109-99-9

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

Tetrahydrofurfural Acrylate

2399-48-6

226-110
(Chromosorb)

10µg

OVM-3500/3520

3µg

Tetrachloroethylene
(Perchloroethylene)

127-18-4

OVM-3500/3520

5µg

226-01, 226-09

5µg

Toluene

108-88-3

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

1,1,2 - Trichloroethane

79-00-5

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

Trichloroethylene

79-01-6

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

1,2,4-Trimethylbenzene

95-63-6

226-01, 226-09 (CT)

5µg

OVM-3500/3520

5µg

1,2,3-Trimethylbenzene

526-73-8

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

1,3,5-Trimethylbenzene

108-67-8

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

Turpentine

8006-64-2

OVM-3500/3520

100µg

226-01, 226-09 (CT)

100µg

Vinyl Acetate

108-05-4

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

ORBO 92 (CT)

5µg

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LOQ

Vinyl Chloride

75-01-4

OVM-3500/3520

0.7µg

Method requires two tubes in series. Results may be biased low when submitting one tube for analysis.

226-01, 226-09 (CT)

0.7µg

Vinyl Toluene

25013-15-4

OVM-3500/3520

10µg

226-01, 226-09 (CT)

200µg

Vinyl Trimethoxysilane

2768-02-7

ORBO 609 (XAD)

10µg

Xylenes, Total

1330-20-7

OVM-3500/3520

15µg

226-01, 226-09 (CT)

15µg

o-Xylene

95-47-6

OVM-3500/3520

5µg

226-01, 226-09 (CT)

5µg

m,p-Xylene

OVM-3500/3520

10µg

226-01, 226-09 (CT)

10µg