

## Volatile Organics Analysis

### MXT®-502.2 Columns (Siltek® treated stainless steel)

(proprietary Crossbond® diphenyl/dimethyl polysiloxane phase)

- Application-specific columns with unique selectivity for volatile organic pollutants, cited in US EPA Method 502.2 and in many gasoline range organics (GRO) methods for monitoring underground storage tanks. Excellent separation of trihalomethanes; ideal polarity for light hydrocarbons and aromatics.
- Temperature range: -20 °C to 320 °C.

An MXT®-502.2 column will enable you to quantify all compounds listed in US EPA methods 502.2 or 524.2, whether you use a mass spectrometer or a PID in tandem with an ELCD. The diphenyl/dimethyl polysiloxane based MXT®-502.2 stationary phase provides low bleed and thermal stability to 320 °C. A 105-meter column can separate the light gases specified in EPA methods without subambient cooling.

ID	df	temp. limits	30-Meter	60-Meter	105-Meter
0.25mm	1.40µm	-20 to 270/320°C	70915	70916	
0.28mm	1.60µm	-20 to 250/320°C	70919	70920	70921
0.53mm	3.00µm	-20 to 270/320°C	70908	70909	70910

ID	df	temp. limits	10-Meter	20-Meter
0.18mm	1.00µm	-20 to 270/320°C	71891	71892

### MXT®-Volatiles Columns (Siltek® treated stainless steel)

(proprietary Crossbond® diphenyl/dimethyl polysiloxane phase)

- Application-specific columns for volatile organic pollutants.
- Temperature range: -20 °C to 320 °C.

MXT®-Volatiles columns were the first columns designed specifically for analyses of the 34 volatile organic pollutants listed in US EPA methods 601, 602, and 624. With these columns, you can quantify all compounds listed in these methods, whether you use a mass spectrometer or a PID in tandem with an ELCD. The diphenyl/dimethyl polysiloxane based MXT®-Volatiles stationary phase provides low bleed and thermal stability to 320 °C.

ID	df	temp. limits*	30-Meter	60-Meter	105-Meter
0.25mm	1.00µm	-20 to 280/320°C	70900	70903	
0.28mm	1.25µm	-20 to 280/320°C	70924	70926	70928
0.53mm	2.00µm	-20 to 280/320°C	70925	70927	70929
	3.00µm	-20 to 250/320°C	70922	70923	

\*Maximum temperatures listed are for 15- and 30-meter lengths. Longer lengths may have a slightly reduced maximum temperature.

### MXT®-624 Columns (Siltek® treated stainless steel)

(low to midpolarity phase; Crossbond® 6% cyanopropylphenyl/94% dimethyl polysiloxane)

- Application-specific columns for volatile organic pollutants. Recommended in US EPA methods for volatile organic pollutants.
- Temperature range: -20 °C to 280 °C.
- Equivalent to USP G43 phase.

The unique polarity of “624” columns makes them ideal for analyses of volatile organic pollutants. Although the MXT®-502.2 column is recommended in many methods, MXT®-624 columns offer the best separation of the early-eluting gases.

ID	df	temp. limits	30-Meter	60-Meter
0.25mm	1.40µm	-20 to 240/280°C	70968	70969
0.53mm	3.00µm	-20 to 240/280°C	70971	70973

ID	df	temp. limits	10-Meter	20-Meter
0.18mm	1.00µm	-20 to 240/280°C	71893	71894 \$745

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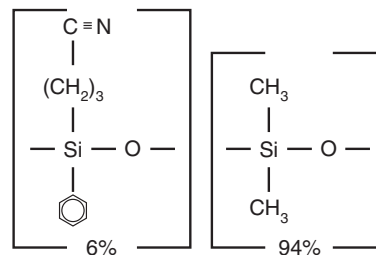
### similar phase

DB-502.2

### similar phase

VOCOL

### MXT®-624 Structure



### similar phases

DB-624, HP-624