

B.1 GC Condition for Analyzed Vapor Organics Concentration for
Single-component: methanol, ethanol, IPA and acetone
Bi-component: methanol/ethanol, methanol/acetone, acetone/IPA

Column: 100/120 Carbopack / 6.6% PEG 20 M

Temperature program

OVEN 70 °C

INT TEMP 70 °C

INT TIME 0 min

RATE 10.0 ml/min

FINAL TEMP 150 °C

FRONT INLET (PP) TEMP 150 °C

COLUMN 1 (He)

Dimensions unknown

Flow 25 ml/min

Mode Constant flow

FRONT DET (FID) TEMP 200 °C

H₂ flow 80 psi

Air flow 350 psi

Mk up (N₂) 1.0 psi

SIGNAL 1

Range 0

Attn 0

B.2 GC Conditions for Analyzed Vapor Organics Concentration for Bi-component: acetone/ethanol

Column: BX – 10

Temperature program

OVEN 70 °C

INT TEMP 70 °C

INT TIME 0 min

RATE 10.0 ml/min

FINAL TEMP 150 °C

FRONT INLET (PP) TEMP 150 °C

COLUMN 1 (He)

Dimensions unknown

Flow 25 ml/min

Mode Constant flow

FRONT DET (FID) TEMP 200 °C

H₂ flow 80 psi

Air flow 350 psi

Mk up (N₂) 1.0 psi

SIGNAL 1

Range 0

Attn 0

**B.3 GC Conditions for Analyzed Vapor Organics Concentration in
Feed for Single-component: methanol, ethanol, IPA and acetone
Bi-component: methanol/ethanol, methanol/acetone, acetone/IPA**

Column: 100/120 Carbopack / 6.6% PEG 20 M

Temperature program

OVEN 70 °C

INT TEMP 70 °C

INT TIME 0 min

RATE 10.0 ml/min

FINAL TEMP 150 °C

FRONT INLET (PP) TEMP 150 °C

COLUMN 1 (He)

Dimensions unknown

Flow 20 ml/min

Mode Constant flow

FRONT DET (FID) TEMP 200 °C

H₂ flow 80 psi

Air flow 350 psi

Mk up (N₂) 1.0 psi

SIGNAL 1

Range 6

Attn 10

B.4 GC Conditions for Analyzed Vapor Organics Concentration in Feed for Bi-component: acetone/ethanol

Column: BX – 10

Temperature program

OVEN 70 °C

INT TEMP 70 °C

INT TIME 0 min

RATE 5.0 ml/min

FINAL TEMP 150 °C

FRONT INLET (PP) TEMP 150 °C

COLUMN 1 (He)

Dimensions unknown

Flow 20 ml/min

Mode Constant flow

FRONT DET (FID) TEMP 200 °C

H₂ flow 80 psi

Air flow 350 psi

Mk up (N₂) 1.0 psi

SIGNAL 1

Range 6

Attn 10