

**Aromatic Subset Mixture for EPA Method TO-14A**
(14 Minor Components)**Shipping Information**

UN Number:	UN 1956
DOT Proper Shipping Name:	Compressed Gas, nos. (List of Components)
DOT Classification:	2.2 (Nonflammable Gas)
DOT Label:	NON-FLAMMABLE GAS
TC Shipping Name:	Compressed Gas, nos. (List of Components)
TC Classification:	2.2
TC Label:	NON-FLAMMABLE GAS, NON-POISONOUS GAS

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1I	350	1,800	12,410	69	36
2I	350	1,800	12,410	48	22
3I	350	1,800	12,410	28	13
6I	180	1,775	12,238	5	2

List of Components

• Benzene	[71-43-2]	• Ethylbenzene	[100-41-4]	• 1,3,5-Trimethylbenzene	[108-67-8]
• Chlorobenzene	[108-90-7]	• Styrene	[100-42-5]	• m-Xylene	[108-38-3]
• 1,2-Dichlorobenzene (ortho)	[95-50-1]	• Toluene	[108-88-3]	• o-Xylene	[95-47-6]
• 1,3-Dichlorobenzene (meta)	[541-73-1]	• 1,2,4-Trichlorobenzene	[120-82-1]	• p-Xylene	[106-42-3]
• 1,4-Dichlorobenzene (para)	[106-46-7]	• 1,2,4-Trimethylbenzene	[95-63-6]	• Balance VOC Free Nitrogen	

1 ppm Mix Product Code	100 ppb Mix Product Code	Cylinder Size	Content US	Content Metric	Equipment Recommendations	Model No.
G0819668	G0819768	1I	128 ft ³	3.64 m ³	For VOC < 1 ppm in 1I, 2I, 3I Cylinders ULTRA Line UHP Regulator	SEQ9303-350V2T
G2658377	G2658406	2I	68 ft ³	2.40 m ³		
G0819628	G0819728	3I	26 ft ³	0.736 m ³		
G0819653	G0819753	6I	3.67 ft ³	104 L	For VOC < 1 ppm in 6I Cylinders Micro Regulator SS	SEQ3373-180-1T
					For VOC ≥ 1 ppm in 1I, 2I, 3I Cylinders Miniature Regulator SS	SEQ3571-350-2T
					For VOC ≥ 1 ppm in 6I Cylinders Miniature Regulator SS	SEQ3571-180-2T
					6I Cylinder Stand	700

Please refer to MATHESON Brochure BR-201 for more information.

⚠ WARNING: This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING: This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING: This product can expose you to chemicals including p-Dichlorobenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING: This product can expose you to chemicals including Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Best Regulator Option for ppm to sub-ppm VOC Mixtures in 1I, 2I and 3I Cylinders

ULTRA-LINE 316L UHP Stainless Steel Regulator (normally recommended for electronic gas systems); 10 Ra surface finish; 316SS diaphragm; welded VCR connection ports.

Regulator Model	Outlet Gauge	Valve Outlet Fitting
SEQ 9303 350 V 2T	0-30 psi	1/8" male compression
SEQ 9303 350 V 1T	0-30 psi	1/16" male compression
SEQ 9307 350 V 2T	0-100 psi	1/8" male compression
SEQ 9307 350 V 1T	0-100 psi	1/16" male compression

All regulators come with a CGA 350 female adaptor.

This regulator has a bottom port allowing connection to a dry purge gas: when the regulator is removed from a cylinder, the purge gas prevents intrusion of atmospheric air into the regulator and plumbing. This option is recommended to be mounted on a panel.

