



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]
- Chlorobenzene [108-90-7]
- 1,2-Dichlorobenzene (ortho) [95-50-1]
- 1,3-Dichlorobenzene (meta) [541-73-1]
- 1,4-Dichlorobenzene (para) [106-46-7]
- Ethylbenzene [100-41-4]
- Styrene [100-42-5]
- Toluene [108-88-3]
- 1,2,4-Trichlorobenzene [120-82-1]
- 1,2,4-Trimethylbenzene [95-63-6]
- 1,3,5-Trimethylbenzene [108-67-8]
- m-Xylene [108-38-3]
- o-Xylene [95-47-6]
- p-Xylene [106-42-3]
- 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	For VOC < 1 ppm in 6I Cylinders Micro Regulator SS	SEQ3373-180-1T
G0819653	G0819753	6I	3.67 ft ³	104 L	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.



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.