

Chemical Storage Stability Charts

Sulfur Compounds @ ~100 ppb		
Test Compound	Bag Material	
	ALTEF	Multi-Layer Foil
n-Butyl mercaptan		
tert-Butyl mercaptan		
Carbon disulfide		
Carbonyl sulfide		
Diethyl disulfide		
Diethyl sulfide		
Dimethyl disulfide		
Dimethyl sulfide		
2,5-Dimethylthiophene		
Ethyl mercaptan		
Ethyl methyl sulfide		
2-Ethylthiophene		
Hydrogen Sulfide		
Isobutyl mercaptan		
Isopropyl mercaptan		
3-Methylthiophene		
Methyl mercaptan		
n-Propyl mercaptan		
Tetrahydrothiophene		
Thiophene		

VOCs @ 200-300 ppm			
Test Compound	Bag Material		
	ALTEF	Multi-Layer Foil	Tedlar®
Acetone			
Acetonitrile			
Acrylonitrile			
Allyl chloride			
Benzene			
Bromoethane			
Butyl acetate			
Carbon tetrachloride			
Chloroform			
Carbon dioxide			
Carbon monoxide			
1,2-Dichloroethane			
Dichloropropane			
Ethyl acetate			
Ethylene			
Heptane			
Hexane			
Isooctane			
Isopropyl alcohol			
Methane			
Methyl ethyl ketone			
Methylene chloride			
Methyl tert-butyl ether			
Octane			
Perchloroethylene			
Propylene			
Propylene oxide			
Tetrahydrofuran			
Toluene			
1,1,1-Trichloroethane			
Trichloroethylene			
Vinylidene chloride			
p-Xylene			

Key:

	Recommended
	Suitable if analyzed within 24 hours
	Suitable for medium to high ppm levels*
	Not Suitable

* Multi-Layer Foil bags can be used to sample most VOCs at moderate to high ppm levels but are not recommended for low ppm levels or less due to background from the bag materials.

ALTEF bags are recommended for most VOCs if analyzed within 48 hours and for many sulfur compounds if analyzed within 24 hours.

Multi-layer foil bags are recommended for methane (CH₄), hydrogen sulfide (H₂S), carbon monoxide (CO), and carbon dioxide (CO₂) if analyzed within 24 hours.