



ASTM D7845 Chemical Species in Marine Fuel Oil

This ASTM test method allows for a quantitative analysis of chemical species that can be found in bunker fuels (commonly used in deep-sea cargo ships). These tankers typically burn the heavy, residual oil left over after gasoline, diesel and other light hydrocarbons that are extracted from the crude oil during the refining process.

D-7845-SET					
	(D-7845-01, D-7845-02, D-7845-03, D-7845-04, D-7845-05, D-2887)				
	6 x 1 mL				
D-7845-01,-02,-03,-04,-05	1 x 1 mL				
<i>At stated conc. (µg/g) in Toluene</i>	Each Level				
Analyte	D-7845-01 Level 1 (µg/g)	D-7845-02 Level 2 (µg/g)	D-7845-03 Level 3 (µg/g)	D-7845-04 Level 4 (µg/g)	D-7845-05 Level 5 (µg/g)
Ethylbenzene-d ₁₀	500	500	500	500	500
1-Butanol	10	25	75	150	300
1-Butanol	10	25	75	150	300
Cyclohexanol	10	25	75	150	300
Dibutyl ether	10	25	75	150	300
n-Butyl acrylate	10	25	75	150	300
Styrene	10	25	75	150	300
D-L-a-Pinene	10	25	75	150	300
Phenol	20	40	120	240	480
a-Methylstyrene	10	25	75	150	300
(+)-beta-Pinene	10	25	75	150	300
3-Methylstyrene	10	25	75	150	300
trans-b-Methylstyrene	10	25	75	150	300
4-Methylstyrene	10	25	75	150	300
2-Methylstyrene	10	25	75	150	300
Dicyclopentadiene	10	25	75	150	300
R-Limonene	10	25	75	150	300
Indene	20	40	120	240	480
1-Phenylethanol	20	40	120	240	480
alfa-4-Dimethylstyrene	20	40	120	240	480
2,5-Dimethylstyrene	20	40	120	240	480
2,4-Dimethylstyrene	20	40	120	240	480
2-Phenylethanol	20	40	120	240	480
2-Ethylphenol	50	100	250	500	1000
2,4-Dimethylphenol	20	40	120	240	480
4-Ethylphenol	10	20	60	120	240
3-Ethylphenol	10	20	60	120	240
2-Phenoxypropanol	50	100	250	500	1000
2-Phenoxyethanol	50	100	250	500	1000
4-Isopropylphenol	50	100	250	500	1000
1-Phenoxy-2-propanol	50	100	250	500	1000
Styrene Glycol	20	40	120	240	480

D-2887	
<i>1% w/v in n-Octane</i>	1 x 1 mL
	2 comps.
n-Hexadecane	10 mg/mL
n-Octadecane	10 mg/mL

