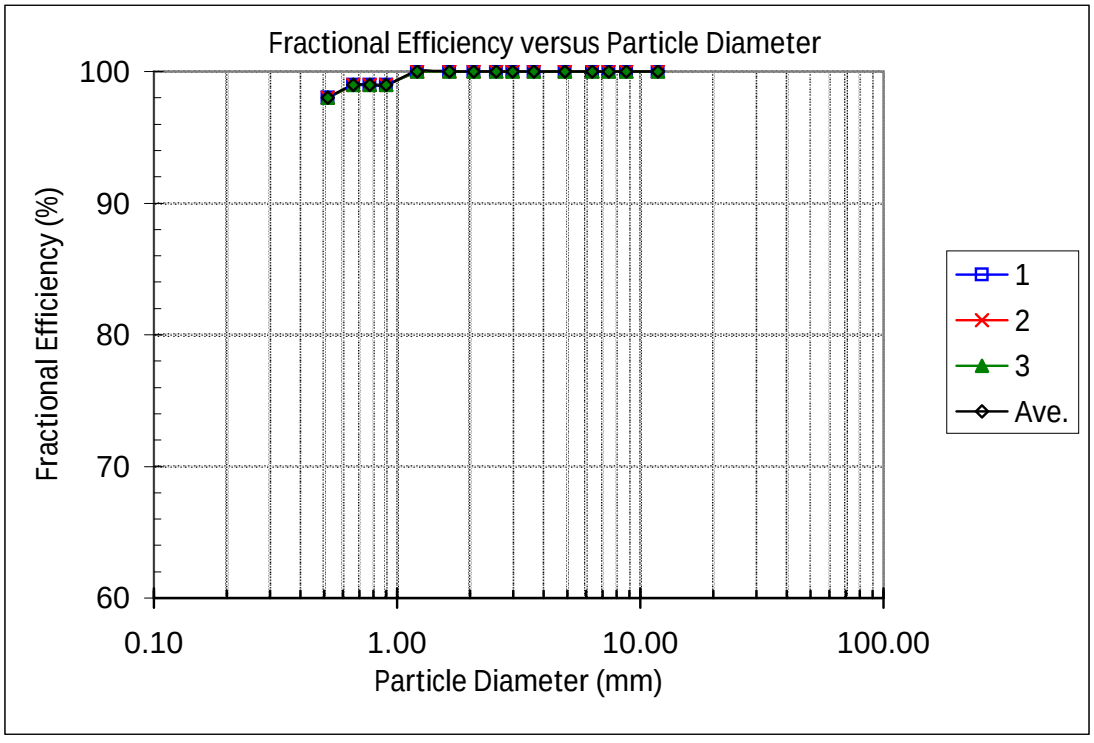
Center for Engineering and Environmental Technology

Date:	June 2000	Velocity: 120 FPM
Filter ID:	AS Series (95%)	
Descriptions:	Yellow, 24"x24"x22", 6-Pocket Bag	Requested by: Viskon-Aire
Test Type:	NESHAP Method 319 (3-stage)	Mfr.: Viskon-Aire
Test Aerosol:	KCl, Neutralized	

Number	1	2	3	Ave.	
Size Range (mm)	Fractional Efficiency (%)				
0.49-0.59	98	98	98	98	MINIMUM
0.59-0.73	99	99	99	99	**>75%**
0.73-0.80	99	99	99	99	
0.80-1.02	99	99	99	99	
1.02-1.44	100	100	100	100	**>85%**
1.44-1.86	100	100	100	100	
1.86-2.28	100	100	100	100	
2.28-2.85	100	100	100	100	**>95%**
2.85-3.13	100	100	100	100	
3.13-4.25	100	100	100	100	
4.25-5.66	100	100	100	100	
5.66-7.07	100	100	100	100	
7.07-7.77	100	100	100	100	
7.77-9.88	100	100	100	100	
9.88-14.1	100	100	100	100	

$$F_{eff} = \frac{C_{up} - C_{down}}{C_{UP}} x100\%$$

F_{eff} = *Fractional Efficiency*
C_{up} = *Particle Concentration Upstream of Filter*
C_{down} = *Particle Concentration Downstream of Filter*



M.K. Owen

Research Triangle Institute
(RTI Project 6300-16)

J.T. Hanley

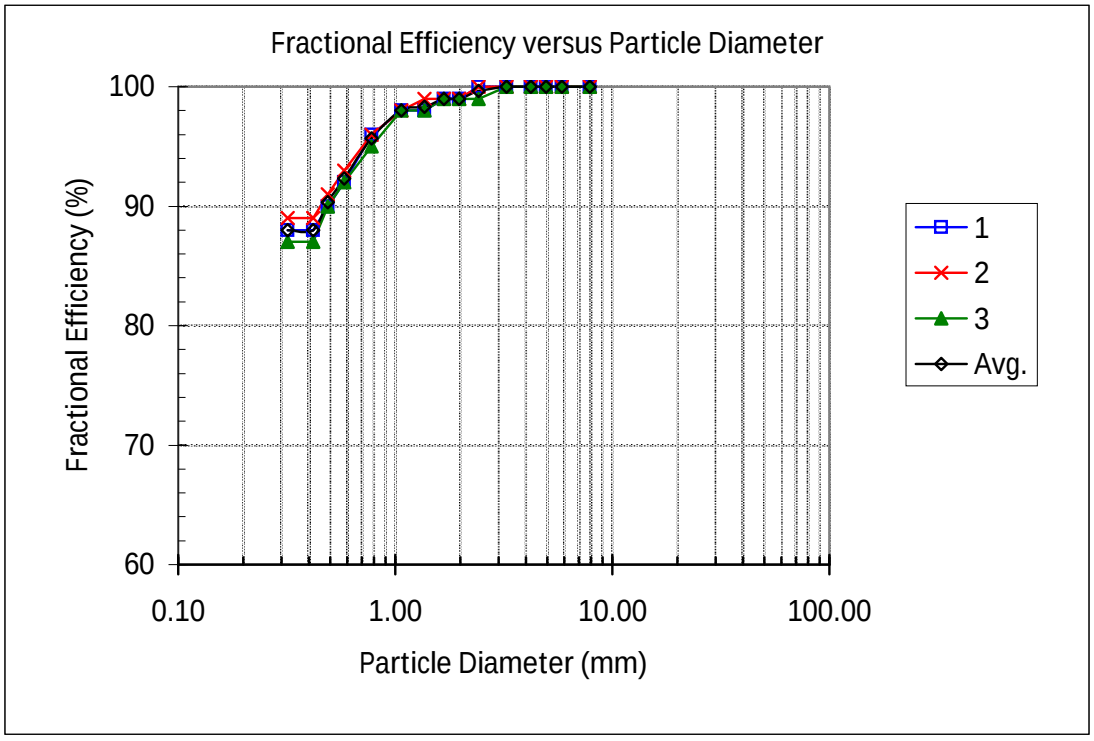
Center for Engineering and Environmental Technology

Date:	June 2000	Velocity: 120 FPM
Filter ID:	AS Series (95%)	
Descriptions:	Yellow, 24"x24"x22", 6-Pocket Bag	Requested by: Viskon-Aire
Test Type:	NESHAP Method 319 (3-stage)	Mfr.: Viskon-Aire
Test Aerosol:	Oleic Acid, Neutralized	

Number	1	2	3	Avg.	
Size Range (mm)	Fractional Efficiency (%)				
0.28-0.37	88	89	87	88	MINIMUM
0.37-0.47	88	89	87	88	**>65%**
0.47-0.52	90	91	90	90	
0.52-0.66	92	93	92	92	
0.66-0.94	96	96	95	96	
0.94-1.22	98	98	98	98	**>80%**
1.22-1.51	98	99	98	98	
1.51-1.88	99	99	99	99	**>95%**
1.88-2.07	99	99	99	99	
2.07-2.83	100	100	99	100	
2.83-3.77	100	100	100	100	
3.77-4.71	100	100	100	100	
4.71-5.81	100	100	100	100	
5.81-6.60	100	100	100	100	
6.60-9.43	100	100	100	100	

$$F_{eff} = \frac{C_{up} - C_{down}}{C_{UP}} x100\%$$

F_{eff} = *Fractional Efficiency*
C_{up} = *Particle Concentration Upstream of Filter*
C_{down} =*Particle Concentration Downstream of Filter*



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