

Methyl Iodide Retention Efficiency Vs. Flow Rate
 ASTM D 3803 Method A
 TE3.5, Intermediate, 2.5"x1.5", 20x40

Quadratic Equation: $Y = -0.08008x + 100.0735$

Standard Deviation: 0.0230946

Table of Residuals

No.	X Obs. (SCFM)	Y Obs.	Y Calc.	Difference
1	1.00	99.98	99.99	-0.01
2	1.50	99.98	99.95	0.03
3	2.00	99.90	99.91	-0.01

Evaluation of Y

No.	X Given (CFM)	X Given(LPM)	Y Calculated
1	1.00	28.32	99.99
2	1.25	35.40	99.97
3	1.50	42.48	99.95
4	1.75	49.55	99.93
5	2.00	56.63	99.91
6	2.25	63.71	99.89
7	2.50	70.79	99.87
8	2.75	77.87	99.85
9	3.00	84.95	99.83
10	3.25	92.03	99.81
11	3.50	99.11	99.79
12	3.75	106.19	99.77
13	4.00	113.27	99.75
14	4.25	120.35	99.73
15	4.50	127.43	99.71
16	4.75	134.51	99.69
17	5.00	141.58	99.67

All values for flow rates < 1.00 SCFM are projected to have a collection efficiency of 100%

