Methyl Iodide Retention Efficiency Vs. Flow Rate
ASTM D 3803 Method A
TE4, Short, C-Series;M;B Geometry, 12x20, 6-9-1987

Quadratic Equation: $Y = -2.174x^2 - 3.019x + 100.14$

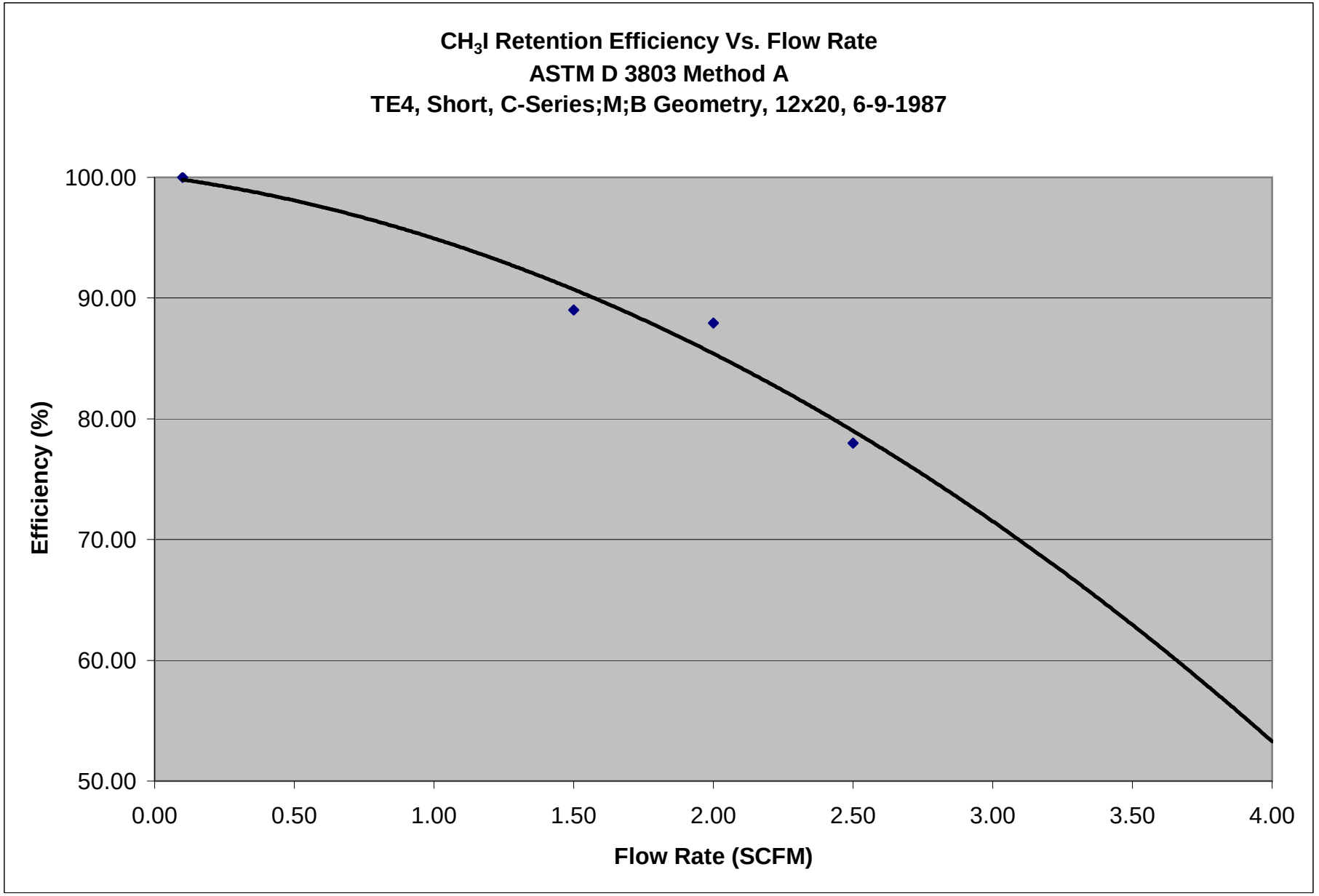
Standard Deviation: 2.272

Table of Residuals

No.	X Obs. (SCFM)	Y Obs.	Y Calc.	Difference
1	1.50	89.00	90.72	-1.72
2	2.00	87.93	85.41	2.52
3	2.50	78.00	79.01	-1.01

Evaluation of Y

No.	X Given (CFM)	X Given(LPM)	Y Calculated
1	0.25	7.08	99.25
2	0.50	14.16	98.09
3	0.75	21.24	96.65
4	1.00	28.32	94.95
5	1.25	35.40	92.97
6	1.50	42.48	90.72
7	1.75	49.55	88.20
8	2.00	56.63	85.41
9	2.25	63.71	82.34
10	2.50	70.79	79.01
11	2.75	77.87	75.40
12	3.00	84.95	71.52
13	3.25	92.03	67.37
14	3.50	99.11	62.94
15	3.75	106.19	58.25
16	4.00	113.27	53.28
17	4.25	120.35	48.04
18	4.50	127.43	42.53
19	4.75	134.51	36.75
20	5.00	141.58	30.70


CH3I Retention Efficiency Vs. Flow Rate
ASTM D 3803 Method A
TE4, Short, C-Series;M;B Geometry, 12x20, 6-9-1987
Efficiency (%)
100.00
90.00
80.00
70.00
60.00
50.00
0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
Flow Rate (SCFM)

Methyl Iodide Retention Efficiency Vs. Flow Rate
ASTM D 3803-1989
TE 4, Intermediate, C-Series;M;B Geometry, 12x20, #51-14, January 2015

Quadratic Equation: $Y = -2.146x^2 + 1.848x + 93.36$

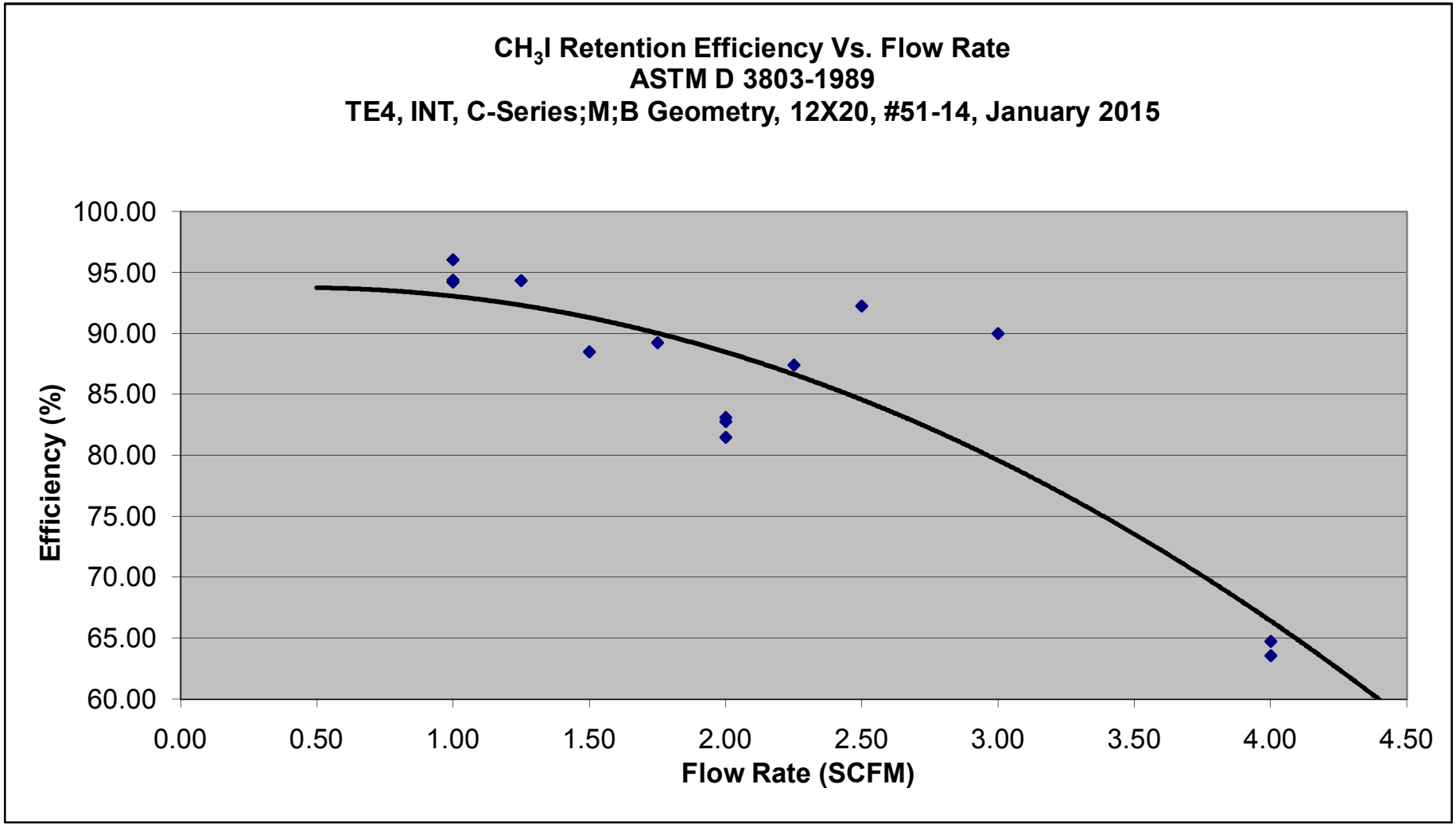
Standard Deviation: 4.912799938

Table of Residuals

No.	X Obs.	Y Obs.	Y Calc.	Difference
1	1.00	94.37	93.06	1.31
2	1.00	94.21	93.06	1.15
3	1.00	96.05	93.06	2.99
4	1.25	94.34	92.32	2.02
5	1.50	88.47	91.30	-2.83
6	1.75	89.24	90.02	-0.78
7	2.00	81.48	88.47	-6.99
8	2.00	83.09	88.47	-5.38
9	2.00	82.76	88.47	-5.71
10	2.25	87.40	86.65	0.75
11	2.50	92.23	84.57	7.66
12	3.00	90.00	79.59	10.41
13	4.00	63.58	66.42	-2.84
14	4.00	64.71	66.42	-1.71

Evaluation of Y

No.	X (SCFM)	X (SLPM)	Y Calc.
1	0.50	14.16	93.75
2	0.75	21.24	93.54
3	1.00	28.32	93.06
4	1.25	35.40	92.32
5	1.50	42.48	91.30
6	1.75	49.55	90.02
7	2.00	56.63	88.47
8	2.25	63.71	86.65
9	2.50	70.79	84.57
10	2.75	77.87	82.21
11	3.00	84.95	79.59
12	3.25	92.03	76.70
13	3.50	99.11	73.54
14	3.75	106.19	70.11


CH3I Retention Efficiency Vs. Flow Rate
ASTM D 3803-1989
TE4, INT, C-Series;M;B Geometry, 12X20, #51-14, January 2015
Efficiency (%)
100.00
95.00
90.00
85.00
80.00
75.00
70.00
65.00
60.00
0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
4.50
Flow Rate (SCFM)

Methyl Iodide Retention Efficiency Vs. Flow Rate
ASTM D 3803 Method A
TE4, Long, C-Series;M;B Geometry, 12x20, 6-26-1987

Quadratic Equation: $Y = -1.22x^2 - 6.23x + 100.49$

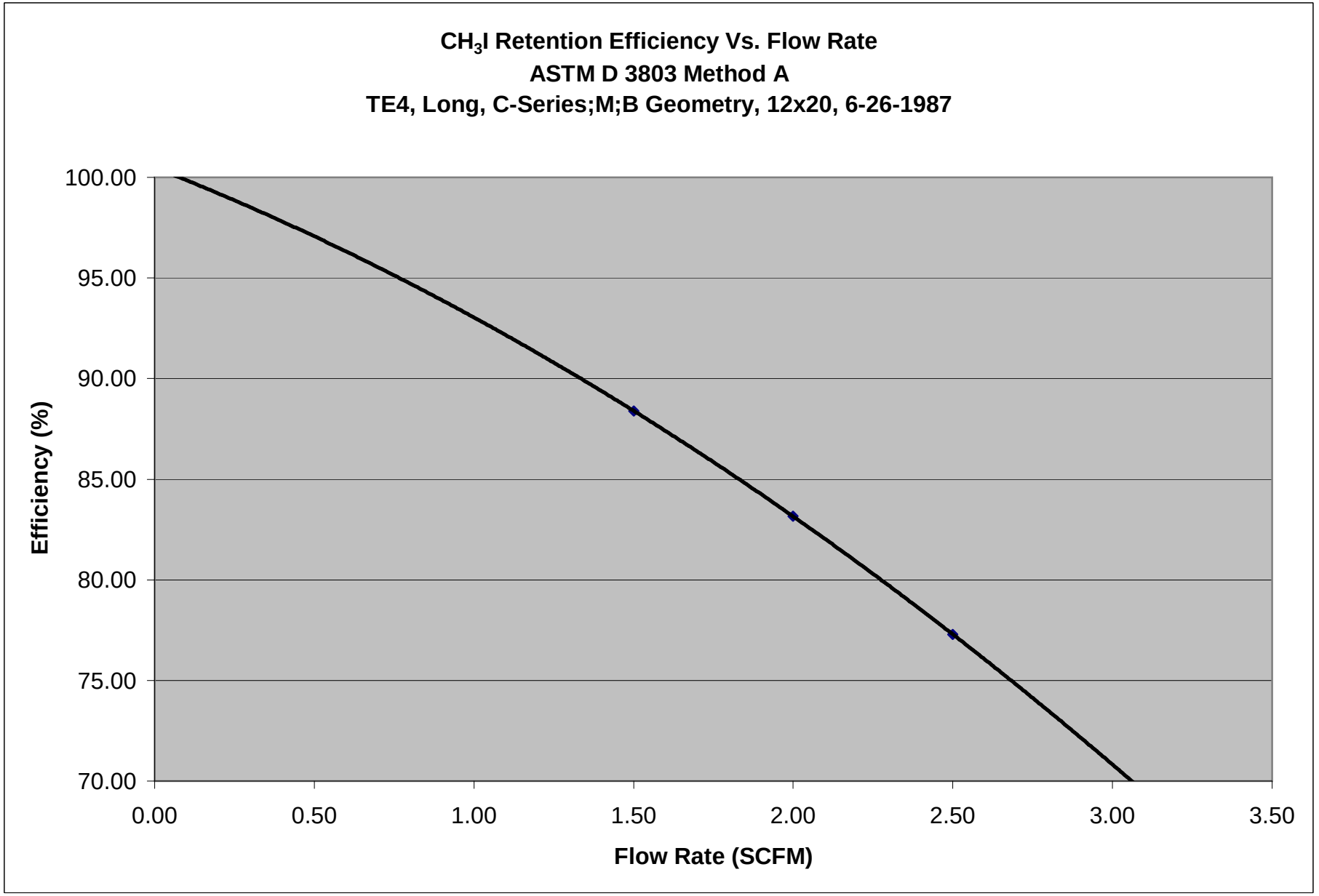
Standard Deviation: 4.6702E-04

Table of Residuals

No.	X Obs. (SCFM)	Y Obs.	Y Calc.	Difference
1	1.50	88.40	88.40	0.00
2	2.00	83.15	83.15	0.00
3	2.50	77.29	77.29	0.00

Evaluation of Y

No.	X Given (CFM)	X Given(LPM)	Y Calculated
1	0.25	7.08	98.86
2	0.50	14.16	97.07
3	0.75	21.24	95.13
4	1.00	28.32	93.04
5	1.25	35.40	90.80
6	1.50	42.48	88.40
7	1.75	49.55	85.85
8	2.00	56.63	83.15
9	2.25	63.71	80.30
10	2.50	70.79	77.29
11	2.75	77.87	74.13
12	3.00	84.95	70.82
13	3.25	92.03	67.36
14	3.50	99.11	63.74
15	3.75	106.19	59.97
16	4.00	113.27	56.05
17	4.25	120.35	51.98
18	4.50	127.43	47.75
19	4.75	134.51	43.37
20	5.00	141.58	38.84


CH3I Retention Efficiency Vs. Flow Rate
ASTM D 3803 Method A
TE4, Long, C-Series;M;B Geometry, 12x20, 6-26-1987
100.00
95.00
90.00
85.00
80.00
75.00
70.00
Efficiency (%)
0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
Flow Rate (SCFM)