

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
 Method File : 82V080825W.M
 Title : SW846 8260
 Last Update : Mon Aug 11 05:27:06 2025
 Response Via : Initial Calibration

Calibration Files

1 =VV038933.D 5 =VV038927.D 20 =VV038928.D 50 =VV038929.D 100 =VV038930.D 10 =VV038932.D

	Compound	1	5	20	50	100	10	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.355	0.276	0.354	0.339	0.348	0.346	0.336	8.88
3) P	Chloromethane	0.384	0.286	0.316	0.305	0.313	0.322	0.321	10.35
4) C	Vinyl Chloride	0.441	0.339	0.406	0.386	0.390	0.405	0.394	8.50#
5) T	Bromomethane		0.325	0.331	0.286	0.247	0.357	0.309	13.92
6) T	Chloroethane	0.324	0.256	0.284	0.277	0.282	0.280	0.284	7.83
7) T	Trichlorofluor...	0.847	0.754	0.813	0.761	0.755	0.756	0.781	5.03
8) T	Diethyl Ether	0.336	0.279	0.290	0.280	0.288	0.275	0.291	7.76
9) T	1,1,2-Trichlor...	0.566	0.498	0.509	0.463	0.468	0.490	0.499	7.43
10) T	Methyl Iodide		0.374	0.480	0.547	0.591	0.384	0.475	20.29
11) T	Tert butyl alc...		0.120	0.122	0.115	0.120	0.131	0.122	4.63
12) CM	1,1-Dichloroet...	0.473	0.402	0.410	0.390	0.393	0.412	0.414	7.38#
13) T	Acrolein		0.150	0.078	0.079	0.085	0.076	0.094	33.76
14) T	Allyl chloride	0.841	0.696	0.718	0.675	0.699	0.710	0.723	8.25
15) T	Acrylonitrile	0.389	0.308	0.315	0.295	0.302	0.317	0.321	10.71
16) T	Acetone	0.328	0.248	0.245	0.234	0.242	0.252	0.258	13.42
17) T	Carbon Disulfide	0.756	0.557	0.689	0.657	0.652	0.694	0.668	9.83
18) T	Methyl Acetate	0.670	0.623	1.072	1.033	1.061	1.095	0.926	23.52
19) T	Methyl tert-bu...	1.924	1.665	1.658	1.625	1.660	1.677	1.701	6.48
20) T	Methylene Chlo...	0.985	0.545	0.526	0.492	0.487	0.529	0.594	32.45
21) T	trans-1,2-Dich...	0.565	0.416	0.439	0.417	0.414	0.445	0.449	12.93
22) T	Diisopropyl ether	1.409	1.354	1.502	1.494	1.519	1.497	1.462	4.47
23) T	Vinyl Acetate	1.093	1.068	1.072	1.088	1.151	1.045	1.086	3.30
24) P	1,1-Dichloroet...	1.004	0.962	0.957	0.878	0.887	0.939	0.938	5.12
25) T	2-Butanone	0.298	0.286	0.341	0.340	0.362	0.338	0.327	8.85
26) T	2,2-Dichloropr...	0.876	0.850	0.839	0.796	0.819	0.807	0.831	3.56
27) T	cis-1,2-Dichlo...	0.583	0.513	0.538	0.531	0.549	0.519	0.539	4.68
28) T	Bromochloromet...	0.424	0.373	0.276	0.281	0.272	0.264	0.315	21.26
29) T	Tetrahydrofuran	0.234	0.180	0.215	0.218	0.227	0.212	0.214	8.66
30) C	Chloroform	1.120	1.014	1.035	0.978	0.965	1.011	1.020	5.37#
31) T	Cyclohexane		0.616	0.571	0.538	0.556	0.607	0.578	5.80
32) T	1,1,1-Trichlor...	0.923	0.873	0.902	0.847	0.846	0.874	0.878	3.46
33) S	1,2-Dichloroet...		0.740	0.659	0.675	0.649	0.873	0.719	12.91
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.372	0.357	0.370	0.349	0.448	0.379	10.47
36) T	1,1-Dichloropr...	0.390	0.282	0.348	0.340	0.354	0.309	0.337	11.16
37) T	Ethyl Acetate	0.605	0.464	0.392	0.406	0.415	0.398	0.447	18.30
38) T	Carbon Tetrach...	0.462	0.396	0.480	0.464	0.457	0.413	0.445	7.38
39) T	Methylcyclohexane	0.366	0.301	0.376	0.395	0.422	0.337	0.366	11.64
40) TM	Benzene	1.057	0.985	1.193	1.173	1.164	1.120	1.115	7.19
41) T	Methacrylonitrile	0.175	0.128	0.197	0.208	0.220	0.156	0.181	19.19
42) TM	1,2-Dichloroet...	0.467	0.381	0.461	0.433	0.426	0.426	0.432	7.13
43) T	Isopropyl Acetate	0.657	0.524	0.625	0.658	0.685	0.576	0.621	9.70
44) TM	Trichloroethene	0.327	0.253	0.307	0.306	0.304	0.286	0.297	8.53
45) C	1,2-Dichloropr...	0.365	0.244	0.319	0.318	0.312	0.305	0.311	12.52#
46) T	Dibromomethane	0.222	0.206	0.251	0.237	0.237	0.227	0.230	6.61
47) T	Bromodichlorom...	0.515	0.496	0.540	0.521	0.507	0.487	0.511	3.70
48) T	Methyl methacr...	0.289	0.195	0.269	0.312	0.334	0.250	0.275	17.87
49) T	1,4-Dioxane	0.006	0.004	0.005	0.006	0.007	0.006	0.006	13.59
50) S	Toluene-d8		1.194	1.272	1.327	1.266	1.510	1.314	9.10
51) T	4-Methyl-2-Pen...	0.330	0.372	0.479	0.476	0.487	0.436	0.430	15.11
52) CM	Toluene	0.570	0.600	0.781	0.785	0.775	0.704	0.703	13.68#
53) T	t-1,3-Dichloro...	0.369	0.396	0.483	0.492	0.511	0.433	0.447	12.79
54) T	cis-1,3-Dichlo...	0.448	0.424	0.525	0.518	0.532	0.482	0.488	9.15
55) T	1,1,2-Trichlor...	0.331	0.328	0.364	0.351	0.347	0.343	0.344	3.89
56) T	Ethyl methacry...	0.255	0.305	0.440	0.497	0.535	0.384	0.403	27.12

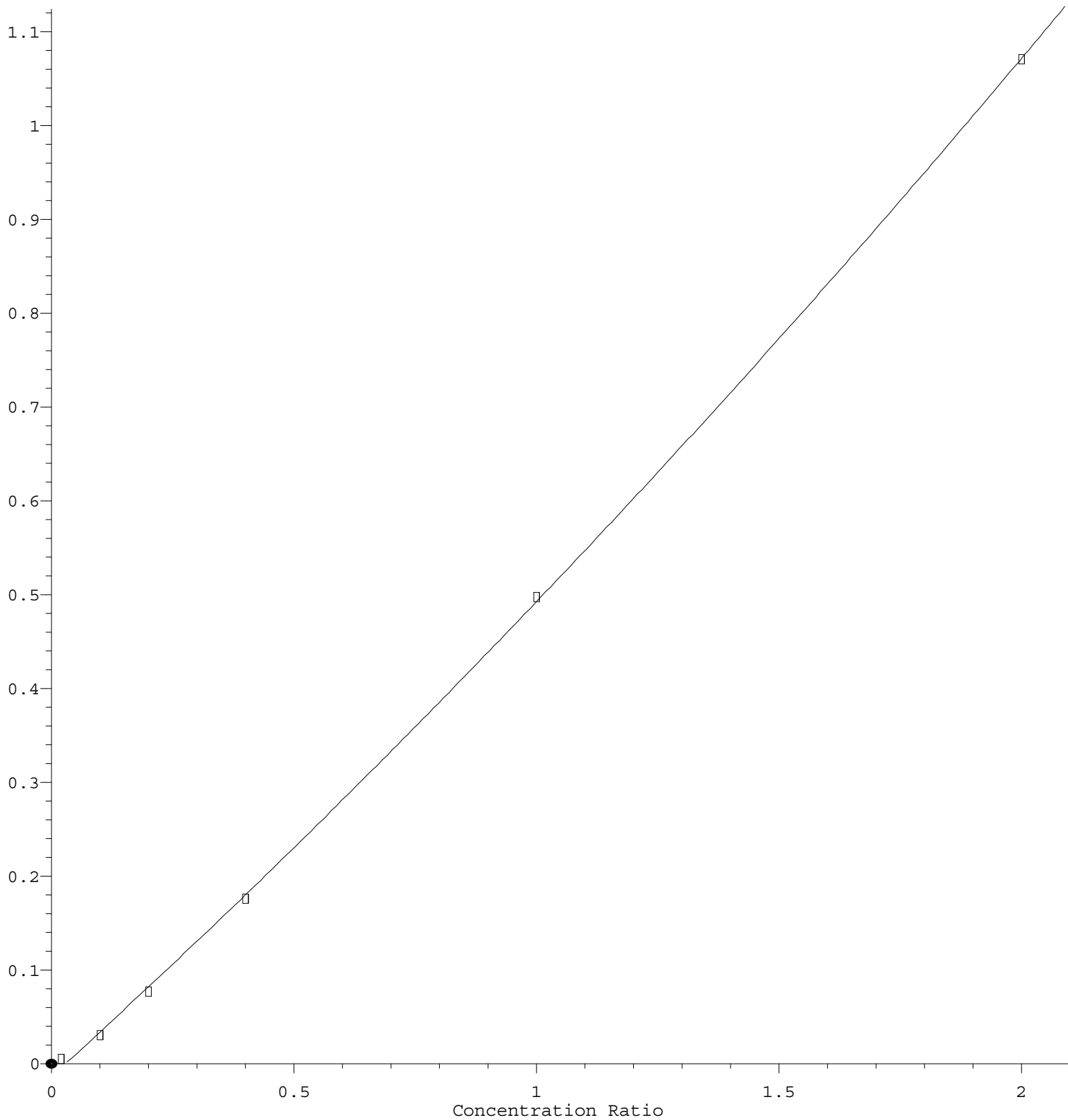
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57)	T	1,3-Dichloropr...	0.478	0.484	0.561	0.558	0.559	0.515	0.526	7.36
58)	T	2-Chloroethyl ...	0.187	0.173	0.210	0.227	0.232	0.182	0.202	12.25
59)	T	2-Hexanone	0.223	0.256	0.349	0.358	0.372	0.305	0.310	19.44
60)	T	Dibromochlorom...	0.385	0.421	0.450	0.441	0.432	0.398	0.421	6.00
61)	T	1,2-Dibromoethane	0.301	0.324	0.372	0.359	0.357	0.335	0.341	7.75
62)	S	4-Bromofluorob...	0.382	0.452	0.499	0.490	0.543	0.473	12.73	
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.331	0.277	0.297	0.293	0.284	0.279	0.293	6.80
65)	PM	Chlorobenzene	1.018	0.901	0.989	0.993	0.994	0.969	0.977	4.17
66)	T	1,1,1,2-Tetrac...	0.383	0.409	0.391	0.383	0.378	0.363	0.384	3.91
67)	C	Ethyl Benzene	1.249	1.210	1.507	1.604	1.671	1.372	1.436	13.16#
68)	T	m/p-Xylenes	0.427	0.443	0.606	0.646	0.658	0.540	0.553	18.17
69)	T	o-Xylene	0.435	0.421	0.544	0.596	0.636	0.489	0.520	16.69
70)	T	Styrene	0.760	0.730	1.018	1.113	1.138	0.860	0.937	18.98
71)	P	Bromoform	0.330	0.302	0.333	0.332	0.335	0.306	0.323	4.59
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.466	2.253	2.675	2.853	2.909	2.501	2.610	9.58
74)	T	N-amyl acetate	0.826	0.741	0.917	1.019	1.120	0.880	0.917	14.82
75)	P	1,1,2,2-Tetrac...	1.346	1.130	1.080	1.034	1.029	1.076	1.116	10.61
76)	T	1,2,3-Trichlor...	0.924	0.771	0.814	0.786	0.813	0.794	0.817	6.74
77)	T	Bromobenzene	0.730	0.644	0.713	0.700	0.729	0.688	0.701	4.56
78)	T	n-propylbenzene	2.785	2.577	3.228	3.431	3.529	2.924	3.079	12.25
79)	T	2-Chlorotoluene	1.736	1.637	1.967	2.044	2.082	1.872	1.890	9.30
80)	T	1,3,5-Trimethy...	1.906	1.775	2.341	2.490	2.567	2.133	2.202	14.50
81)	T	trans-1,4-Dich...	0.271	0.329	0.350	0.377	0.306	0.326	12.45	
82)	T	4-Chlorotoluene	1.889	1.886	2.339	2.436	2.503	2.207	2.210	12.17
83)	T	tert-Butylbenzene	2.396	2.057	2.312	2.515	2.648	2.146	2.346	9.47
84)	T	1,2,4-Trimethy...	1.926	1.741	2.308	2.503	2.576	2.058	2.185	15.18
85)	T	sec-Butylbenzene	2.740	2.505	3.047	3.283	3.419	2.789	2.964	11.75
86)	T	p-Isopropyltol...	2.372	2.244	2.648	2.848	2.950	2.429	2.582	10.84
87)	T	1,3-Dichlorobe...	1.664	1.304	1.468	1.457	1.495	1.399	1.464	8.13
88)	T	1,4-Dichlorobe...	1.989	1.487	1.559	1.521	1.521	1.482	1.593	12.30
89)	T	n-Butylbenzene	2.208	2.033	2.425	2.693	2.839	2.124	2.387	13.59
90)	T	Hexachloroethane	0.701	0.631	0.594	0.583	0.601	0.544	0.609	8.71
91)	T	1,2-Dichlorobe...	1.422	1.345	1.368	1.394	1.452	1.325	1.384	3.45
92)	T	1,2-Dibromo-3-...	0.291	0.219	0.231	0.237	0.252	0.226	0.243	10.70
93)	T	1,2,4-Trichlor...	0.956	0.733	0.850	0.926	1.011	0.763	0.873	12.63
94)	T	Hexachlorobuta...	0.571	0.445	0.439	0.436	0.453	0.424	0.461	11.81
95)	T	Naphthalene	2.742	2.151	2.568	3.124	3.523	2.331	2.740	18.64
96)	T	1,2,3-Trichlor...	0.959	0.759	0.856	0.959	1.026	0.802	0.893	11.62

(#) = Out of Range

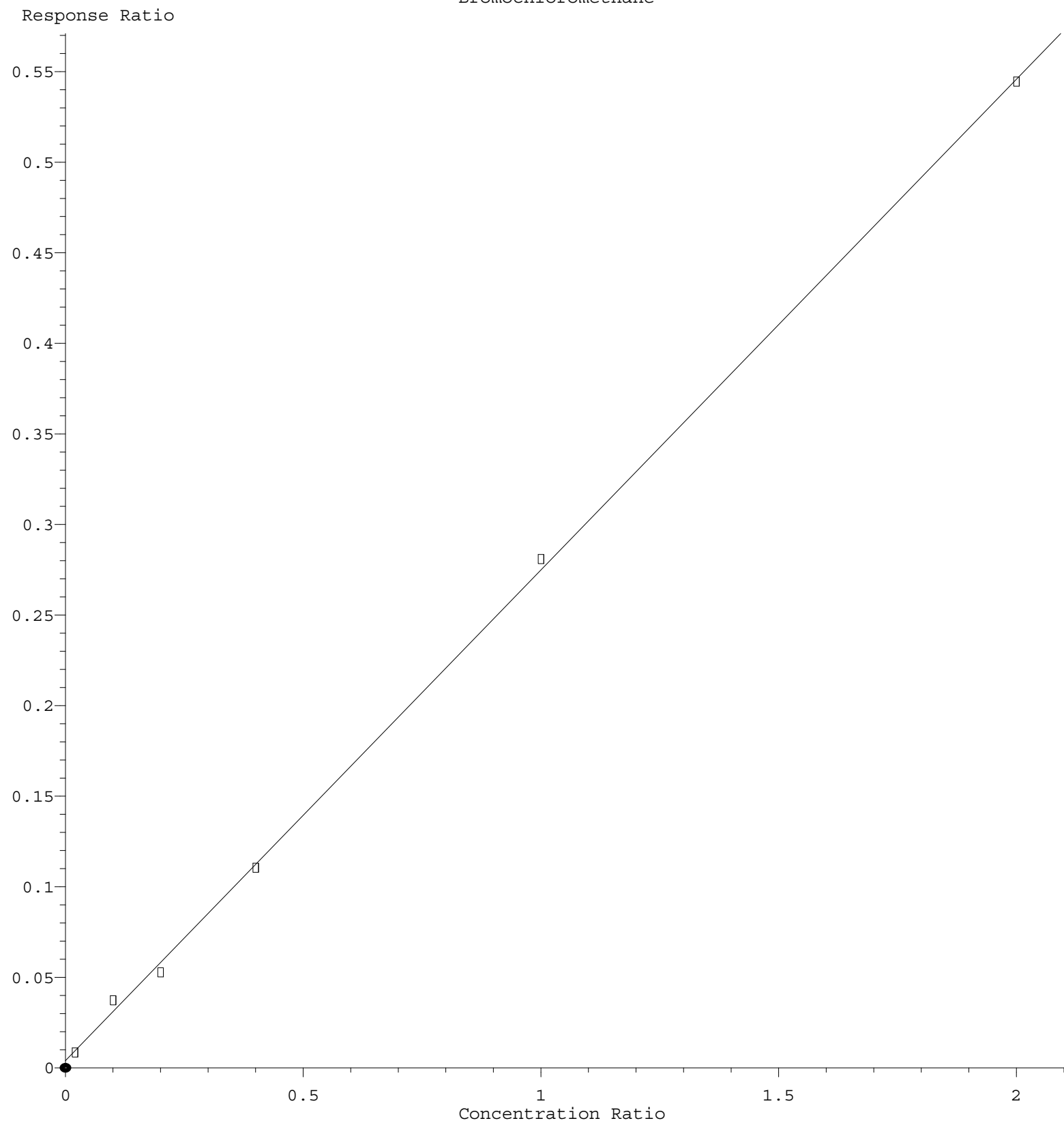
Ethyl methacrylate

Response Ratio



$R = 3.667e-002 A^2 + 4.691e-001 A - 1.329e-002$
Coef of Det (r^2) = 0.999810 Curve Fit: Quadratic
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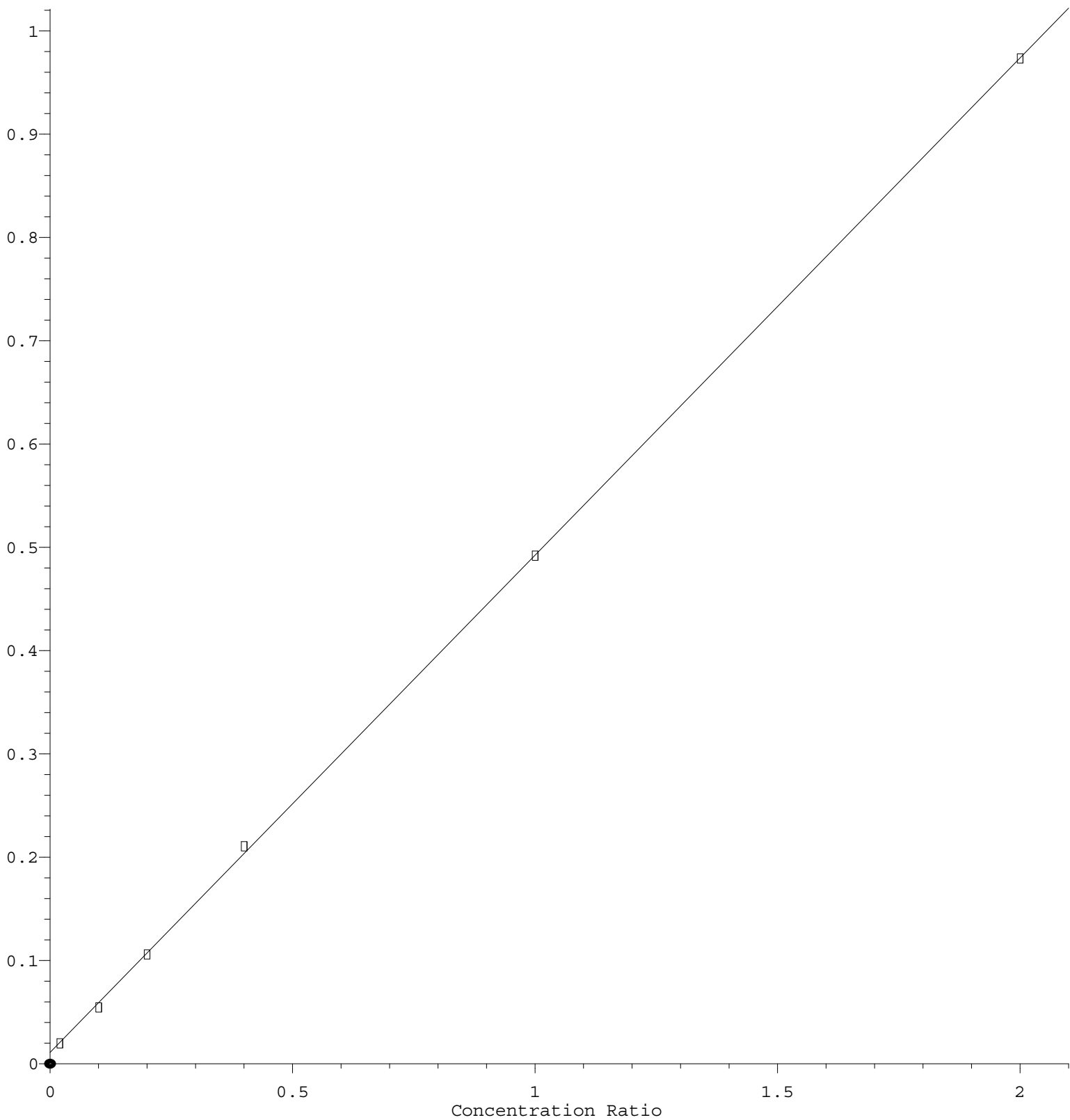
Bromochloromethane



Response = 2.711e-001 * Amt + 4.329e-003
 Coef of Det (r^2) = 0.999488 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V080825W.M
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Methylene Chloride

Response Ratio



$$\text{Response} = 4.818\text{e-}001 * \text{Amt} + 1.057\text{e-}002$$

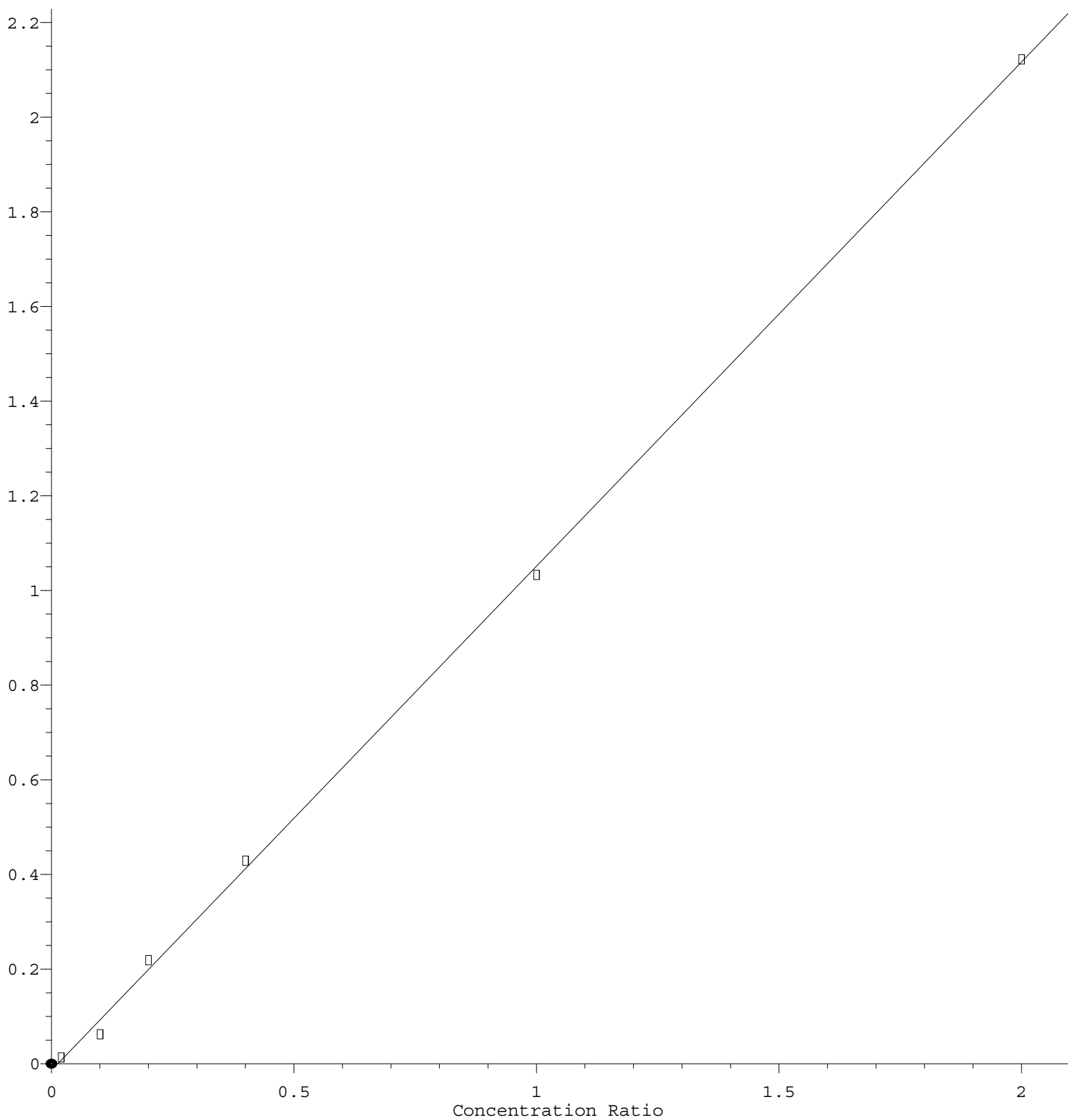
Coef of Det (r^2) = 0.999892 Curve Fit: Linear

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Methyl Acetate

Response Ratio



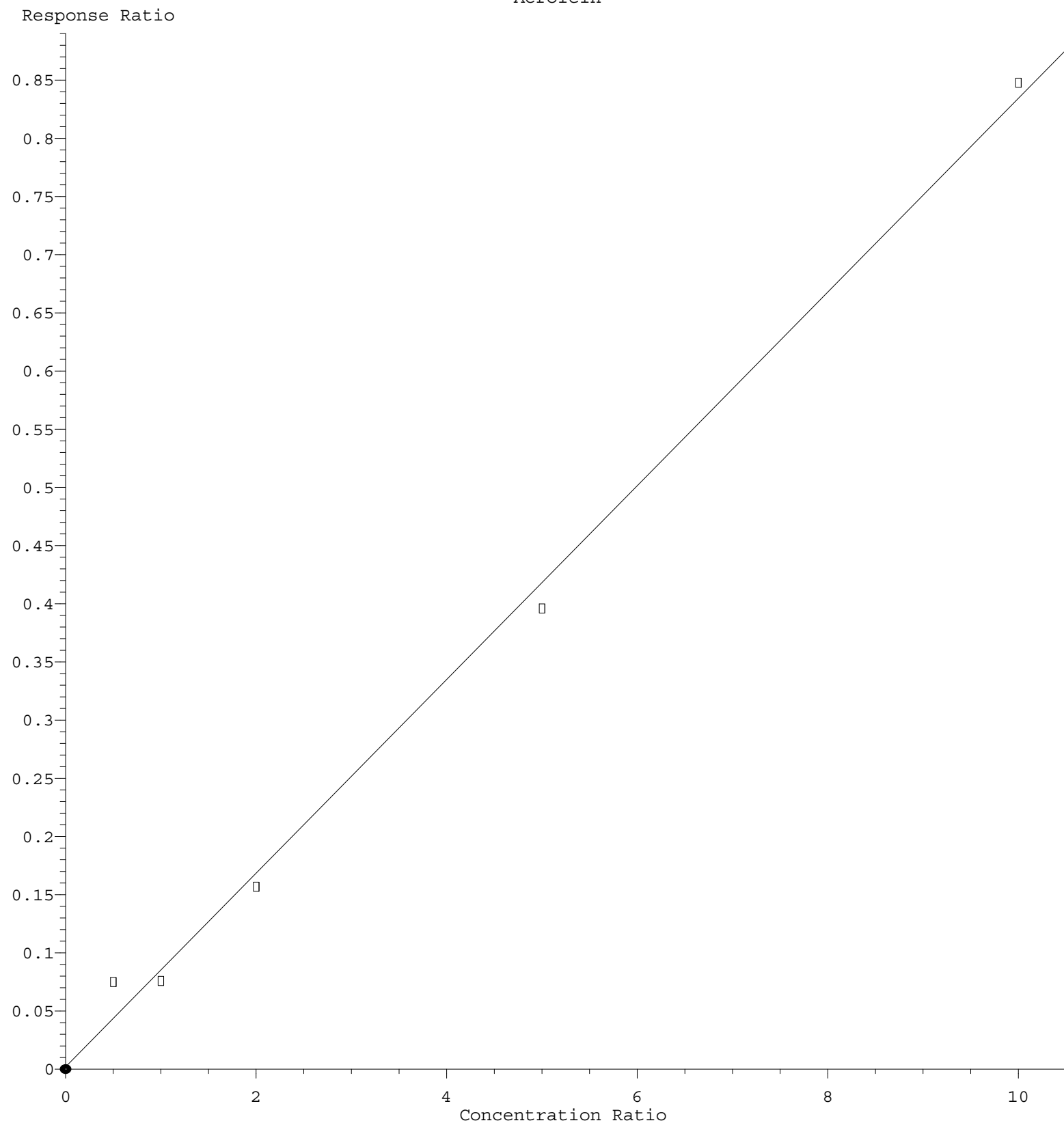
$$\text{Response} = 1.065\text{e}+000 * \text{Amt} - 1.420\text{e}-002$$

Coef of Det (r^2) = 0.999394 Curve Fit: Linear

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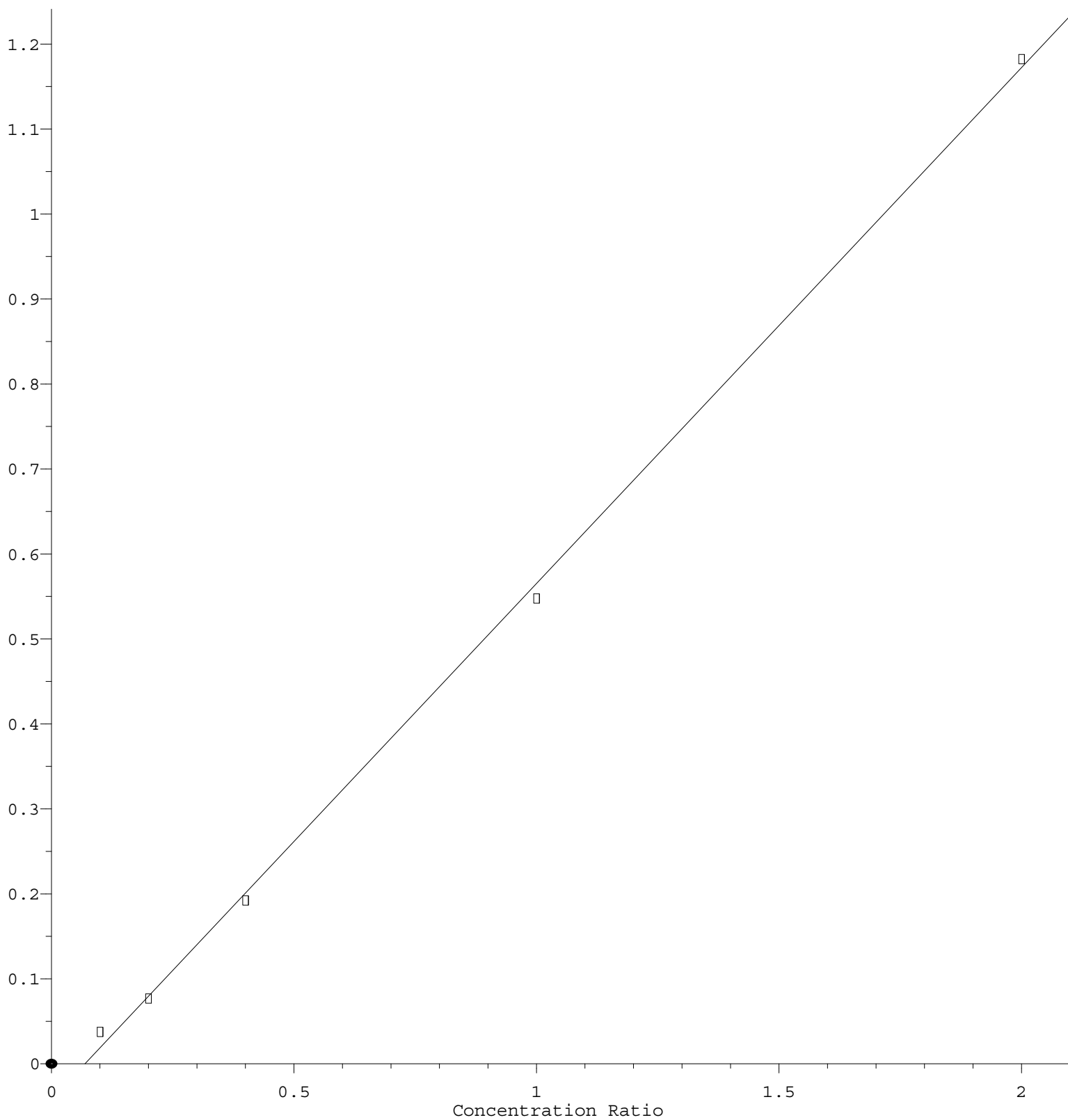
Acrolein



$\text{Response} = 8.324\text{e-}002 * \text{Amt} + 2.243\text{e-}003$
 Coef of Det (r^2) = 0.995638 Curve Fit: Linear
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Methyl Iodide

Response Ratio



$$\text{Response} = 6.073\text{e-}001 * \text{Amt} - 4.219\text{e-}002$$

Coef of Det (r^2) = 0.999073 Curve Fit: Linear

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