

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y080723S.M
 Title : SW846 8260
 Last Update : Tue Aug 08 07:44:56 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY014964.D 10 =VY014965.D 20 =VY014966.D 50 =VY014967.D 100 =VY014968.D 150 =VY014969.D

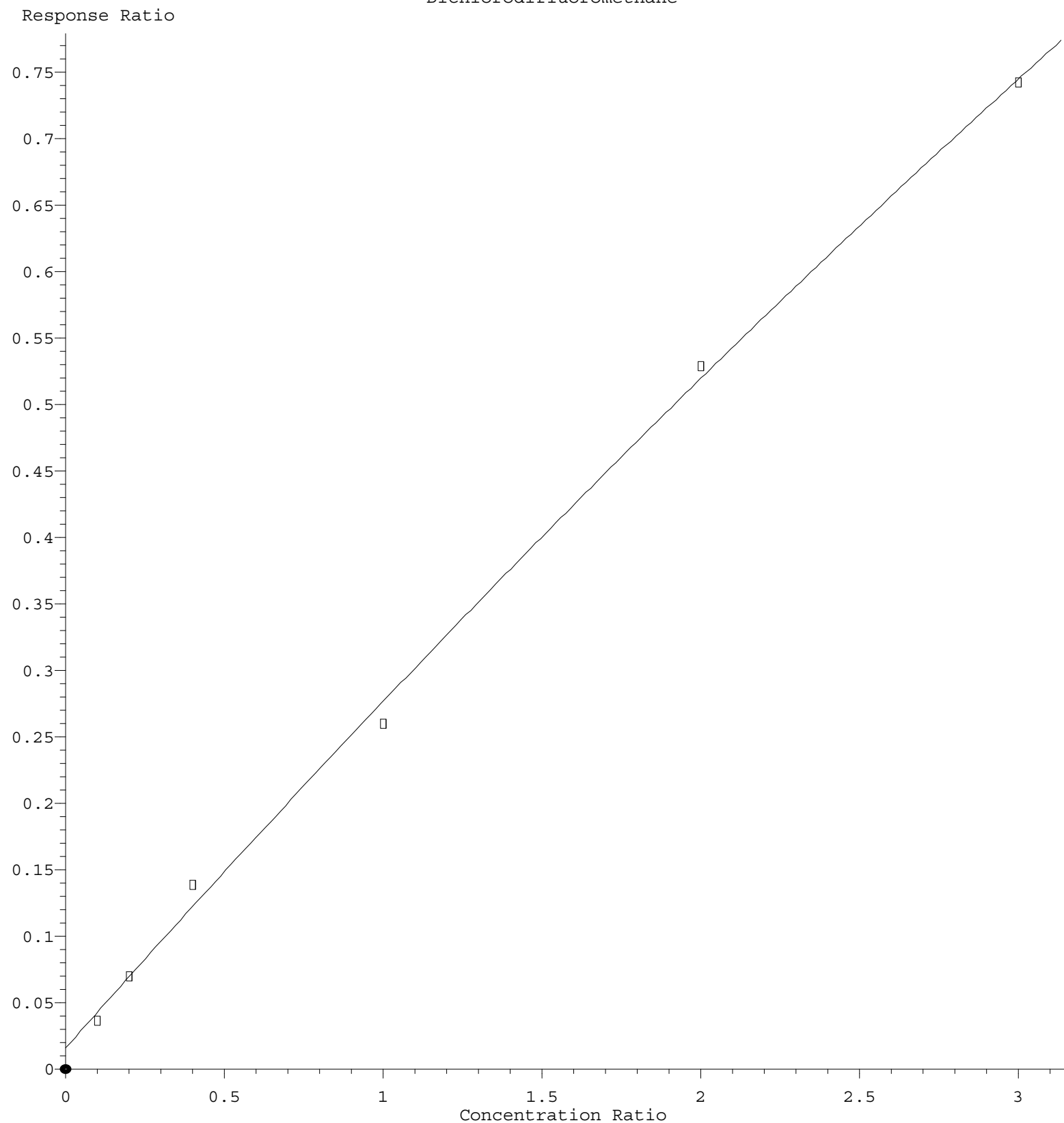
	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.365	0.349	0.346	0.260	0.264	0.247	0.305	17.46
3) P	Chloromethane	0.459	0.449	0.417	0.352	0.350	0.334	0.393	13.96
4) C	Vinyl Chloride	0.562	0.537	0.517	0.440	0.440	0.414	0.485	12.63#
5) T	Bromomethane	0.434	0.426	0.365	0.319	0.295		0.368	16.89
6) T	Chloroethane	0.367	0.365	0.353	0.313	0.316	0.294	0.335	9.23
7) T	Trichlorofluor...	0.839	0.822	0.802	0.715	0.731	0.689	0.766	8.14
8) T	Diethyl Ether	0.300	0.290	0.285	0.270	0.282	0.269	0.283	4.20
9) T	1,1,2-Trichlor...	0.475	0.497	0.467	0.429	0.439	0.415	0.454	6.83
10) T	Methyl Iodide	0.443	0.451	0.462	0.480	0.501	0.477	0.469	4.52
11) T	Tert butyl alc...	0.221	0.170	0.180	0.095	0.111	0.100	0.146	35.39
12) CM	1,1-Dichloroet...	0.418	0.420	0.411	0.375	0.383	0.365	0.395	6.08#
13) T	Acrolein	0.050	0.044	0.045	0.044	0.059	0.056	0.050	13.11
14) T	Allyl chloride	0.687	0.679	0.661	0.636	0.657	0.629	0.658	3.46
15) T	Acrylonitrile	0.175	0.175	0.172	0.166	0.180	0.168	0.173	2.92
16) T	Acetone	0.203	0.201	0.181	0.184	0.191	0.174	0.189	5.96
17) T	Carbon Disulfide	0.959	0.957	0.937	0.796	0.814	0.780	0.874	9.78
18) T	Methyl Acetate	0.701	0.688	0.690	0.654	0.719	0.679	0.688	3.16
19) T	Methyl tert-bu...	1.518	1.522	1.516	1.444	1.515	1.456	1.495	2.36
20) T	Methylene Chlo...	2.507	1.611	1.052	0.692	0.589	0.521	1.162	66.46
21) T	trans-1,2-Dich...	0.474	0.487	0.464	0.425	0.436	0.417	0.450	6.31
22) T	Diisopropyl ether	1.537	1.577	1.540	1.502	1.535	1.506	1.533	1.77
23) T	Vinyl Acetate	0.900	0.920	0.914	0.910	0.959	0.926	0.922	2.21
24) P	1,1-Dichloroet...	0.912	0.896	0.883	0.839	0.861	0.827	0.870	3.82
25) T	2-Butanone	0.291	0.279	0.264	0.258	0.276	0.256	0.271	5.11
26) T	2,2-Dichloropr...	1.065	0.938	0.855	0.822	0.820	0.778	0.880	11.99
27) T	cis-1,2-Dichlo...	0.598	0.597	0.576	0.549	0.563	0.537	0.570	4.36
28) T	Bromochloromet...	0.430	0.400	0.408	0.383	0.369	0.362	0.392	6.56
29) T	Tetrahydrofuran	0.164	0.160	0.158	0.150	0.166	0.155	0.159	3.77
30) C	Chloroform	0.974	0.971	0.953	0.932	0.935	0.902	0.945	2.91#
31) T	Cyclohexane	0.910	0.775	0.722	0.616	0.625	0.589	0.706	17.34
32) T	1,1,1-Trichlor...	0.862	0.859	0.837	0.811	0.834	0.793	0.832	3.22
33) S	1,2-Dichloroet...	0.611	0.608	0.591	0.592	0.635	0.599	0.606	2.68
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.309	0.313	0.310	0.319	0.345	0.322	0.320	4.14
36) T	1,1-Dichloropr...	0.413	0.415	0.407	0.384	0.391	0.373	0.397	4.36
37) T	Ethyl Acetate	0.331	0.310	0.316	0.298	0.328	0.307	0.315	4.03
38) T	Carbon Tetrach...	0.457	0.454	0.451	0.441	0.449	0.425	0.446	2.65
39) T	Methylcyclohexane	0.510	0.491	0.486	0.450	0.461	0.435	0.472	6.00
40) TM	Benzene	1.254	1.212	1.180	1.124	1.149	1.095	1.169	5.01
41) T	Methacrylonitrile	0.166	0.142	0.145	0.151	0.164	0.152	0.153	6.41
42) TM	1,2-Dichloroet...	0.426	0.412	0.408	0.396	0.409	0.390	0.407	3.05
43) T	Isopropyl Acetate	0.602	0.576	0.573	0.566	0.613	0.582	0.585	3.12
44) TM	Trichloroethene	0.358	0.346	0.344	0.323	0.328	0.313	0.335	5.04
45) C	1,2-Dichloropr...	0.329	0.313	0.308	0.304	0.313	0.297	0.311	3.50#
46) T	Dibromomethane	0.208	0.202	0.200	0.195	0.202	0.195	0.200	2.52
47) T	Bromodichlorom...	0.456	0.464	0.463	0.460	0.471	0.452	0.461	1.45
48) T	Methyl methacr...	0.254	0.248	0.252	0.252	0.273	0.261	0.257	3.59
49) T	1,4-Dioxane	0.004	0.004	0.004	0.004	0.004	0.004	0.004	4.77
50) S	Toluene-d8	1.253	1.204	1.188	1.194	1.278	1.185	1.217	3.18
51) T	4-Methyl-2-Pen...	0.327	0.325	0.325	0.321	0.352	0.329	0.330	3.39
52) CM	Toluene	0.801	0.767	0.762	0.728	0.742	0.712	0.752	4.17#
53) T	t-1,3-Dichloro...	0.462	0.475	0.474	0.481	0.503	0.485	0.480	2.86
54) T	cis-1,3-Dichlo...	0.522	0.514	0.516	0.519	0.532	0.508	0.519	1.56
55) T	1,1,2-Trichlor...	0.302	0.299	0.288	0.282	0.295	0.278	0.291	3.32
56) T	Ethyl methacry...	0.395	0.410	0.408	0.418	0.445	0.423	0.416	4.10

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57)	T	1,3-Dichloropr...	0.496	0.484	0.486	0.472	0.487	0.463	0.481	2.39
58)	T	2-Chloroethyl ...	0.183	0.201	0.198	0.196	0.207	0.197	0.197	3.99
59)	T	2-Hexanone	0.237	0.240	0.241	0.238	0.263	0.244	0.244	4.04
60)	T	Dibromochlorom...	0.342	0.345	0.342	0.346	0.359	0.344	0.346	1.86
61)	T	1,2-Dibromoethane	0.283	0.285	0.277	0.269	0.284	0.268	0.278	2.66
62)	S	4-Bromofluorob...	0.433	0.433	0.421	0.420	0.453	0.428	0.431	2.76
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.391	0.402	0.398	0.375	0.361	0.329	0.376	7.31
65)	PM	Chlorobenzene	1.012	0.967	0.965	0.923	0.936	0.889	0.949	4.48
66)	T	1,1,1,2-Tetrac...	0.370	0.379	0.372	0.371	0.377	0.363	0.372	1.57
67)	C	Ethyl Benzene	1.732	1.700	1.696	1.626	1.659	1.576	1.665	3.42#
68)	T	m/p-Xylenes	0.662	0.658	0.643	0.620	0.634	0.604	0.637	3.47
69)	T	o-Xylene	0.641	0.631	0.634	0.609	0.623	0.602	0.623	2.45
70)	T	Styrene	1.060	1.070	1.084	1.051	1.082	1.044	1.065	1.53
71)	P	Bromoform	0.245	0.252	0.254	0.256	0.273	0.259	0.256	3.61
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.536	3.391	3.382	3.296	3.321	3.240	3.361	3.05
74)	T	N-amyl acetate	1.091	1.134	1.130	1.128	1.218	1.189	1.148	4.05
75)	P	1,1,2,2-Tetrac...	0.840	0.808	0.797	0.798	0.858	0.827	0.821	3.00
76)	T	1,2,3-Trichlor...	0.726	0.565	0.574	0.574	0.596	0.560	0.599	10.55
77)	T	Bromobenzene	0.863	0.839	0.810	0.792	0.803	0.785	0.815	3.69
78)	T	n-propylbenzene	4.222	4.117	4.051	3.938	3.939	3.854	4.020	3.37
79)	T	2-Chlorotoluene	2.418	2.313	2.313	2.224	2.259	2.219	2.291	3.26
80)	T	1,3,5-Trimethy...	2.844	2.814	2.815	2.710	2.752	2.683	2.770	2.32
81)	T	trans-1,4-Dich...	0.247	0.267	0.258	0.271	0.298	0.291	0.272	7.14
82)	T	4-Chlorotoluene	2.490	2.410	2.386	2.309	2.337	2.279	2.368	3.23
83)	T	tert-Butylbenzene	2.626	2.579	2.527	2.474	2.522	2.474	2.534	2.36
84)	T	1,2,4-Trimethy...	2.863	2.825	2.776	2.734	2.767	2.685	2.775	2.29
85)	T	sec-Butylbenzene	3.910	3.800	3.742	3.651	3.666	3.543	3.719	3.44
86)	T	p-Isopropyltol...	3.125	3.122	3.130	3.034	3.067	2.991	3.078	1.86
87)	T	1,3-Dichlorobe...	1.693	1.614	1.596	1.553	1.579	1.540	1.596	3.43
88)	T	1,4-Dichlorobe...	1.681	1.627	1.618	1.552	1.556	1.515	1.591	3.85
89)	T	n-Butylbenzene	2.967	2.947	2.961	2.870	2.855	2.753	2.892	2.88
90)	T	Hexachloroethane	0.626	0.598	0.585	0.591	0.599	0.588	0.598	2.53
91)	T	1,2-Dichlorobe...	1.526	1.519	1.491	1.448	1.447	1.406	1.473	3.20
92)	T	1,2-Dibromo-3-...	0.179	0.153	0.154	0.155	0.165	0.156	0.160	6.27
93)	T	1,2,4-Trichlor...	0.968	0.930	0.942	0.945	0.952	0.917	0.942	1.86
94)	T	Hexachlorobuta...	0.542	0.512	0.523	0.513	0.500	0.476	0.511	4.30
95)	T	Naphthalene	2.124	2.147	2.172	2.225	2.373	2.263	2.218	4.13
96)	T	1,2,3-Trichlor...	0.864	0.848	0.845	0.857	0.869	0.836	0.853	1.48

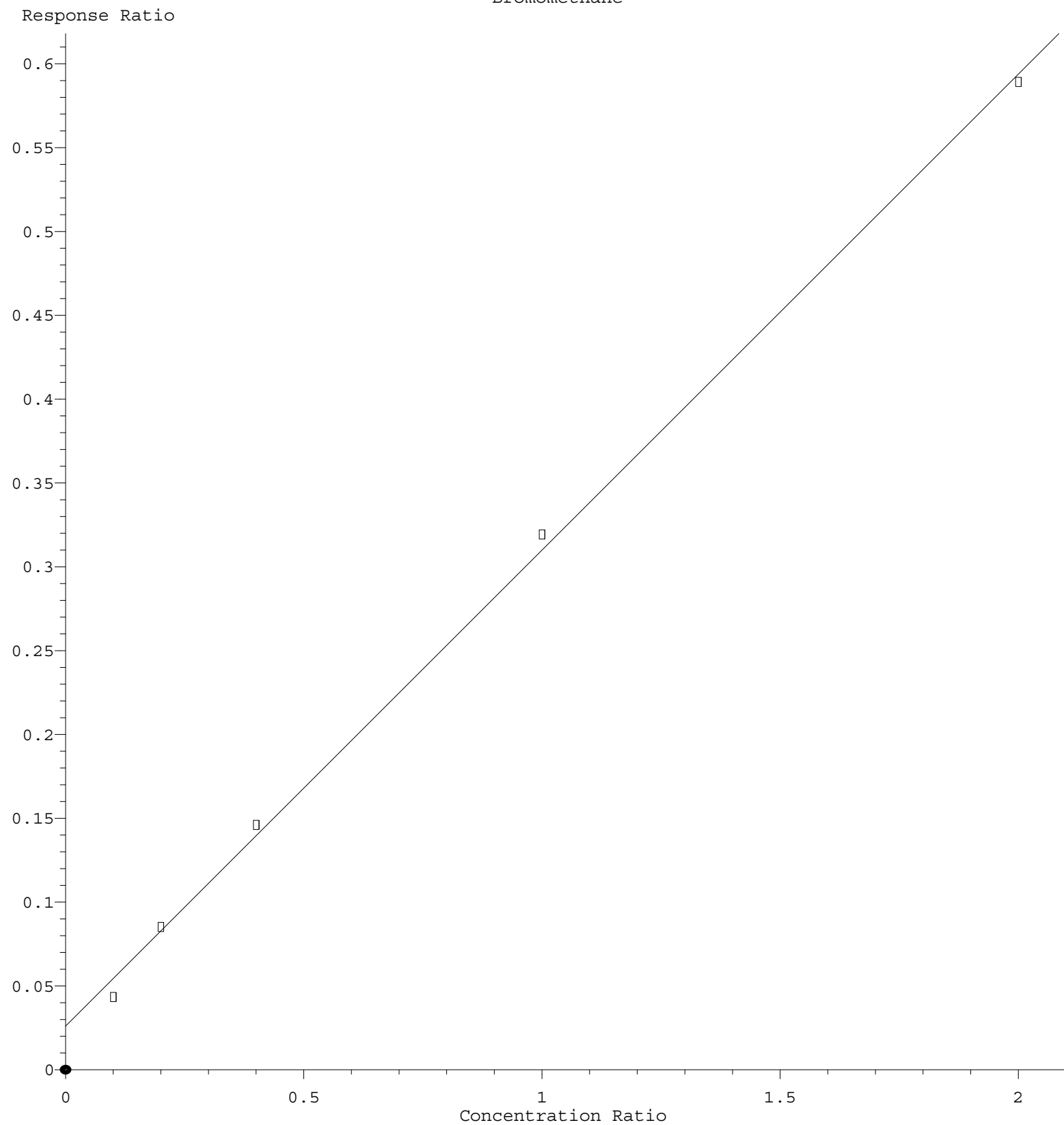
(#) = Out of Range

Dichlorodifluoromethane



$R = -8.865e-003 A^2 + 2.695e-001 A + 1.597e-002$
 Coef of Det (r^2) = 0.998290 Curve Fit: Quadratic
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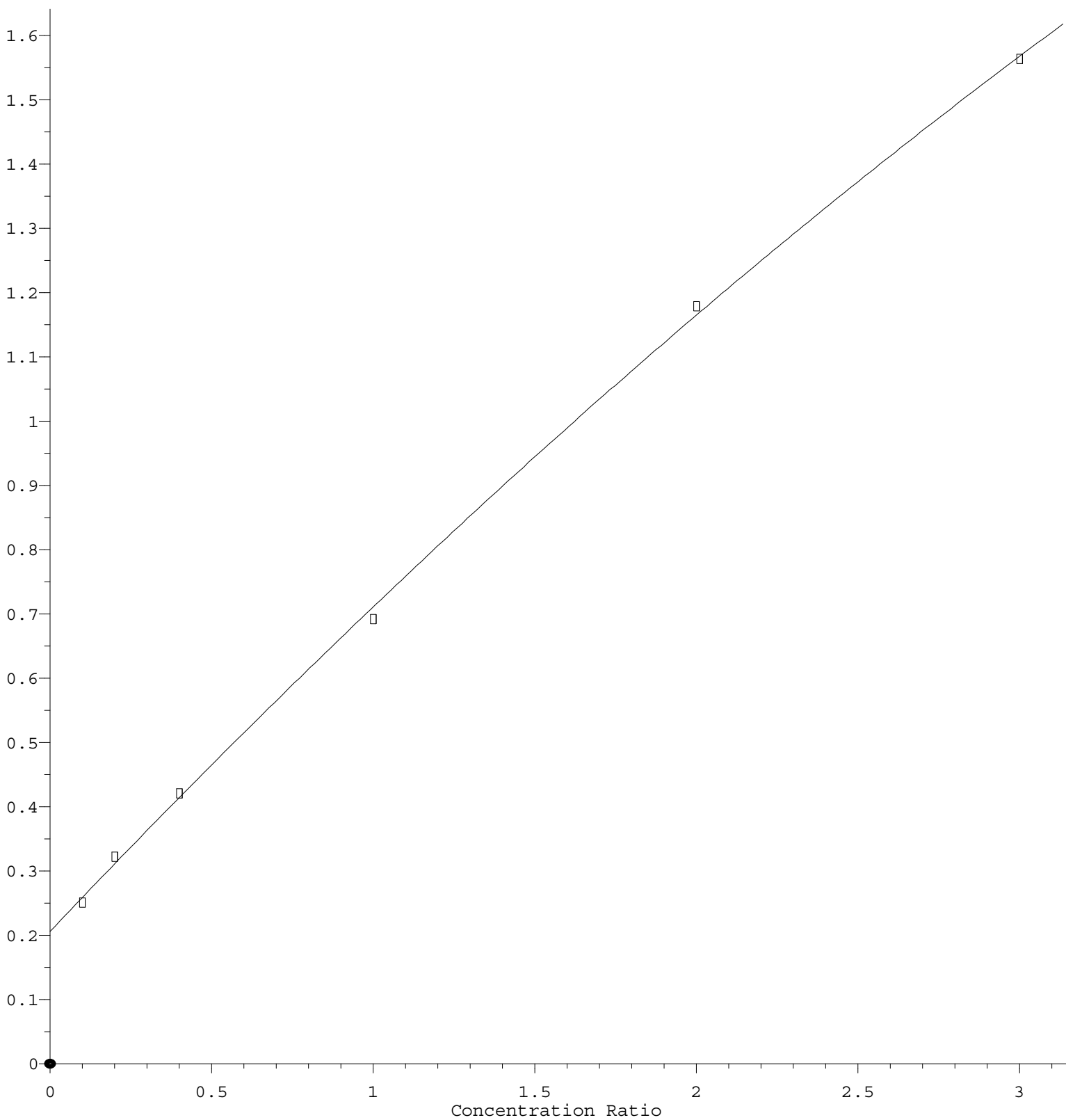
Bromomethane



Response = 2.840e-001 * Amt + 2.646e-002
 Coef of Det (r^2) = 0.998611 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y080723S.M
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Methylene Chloride

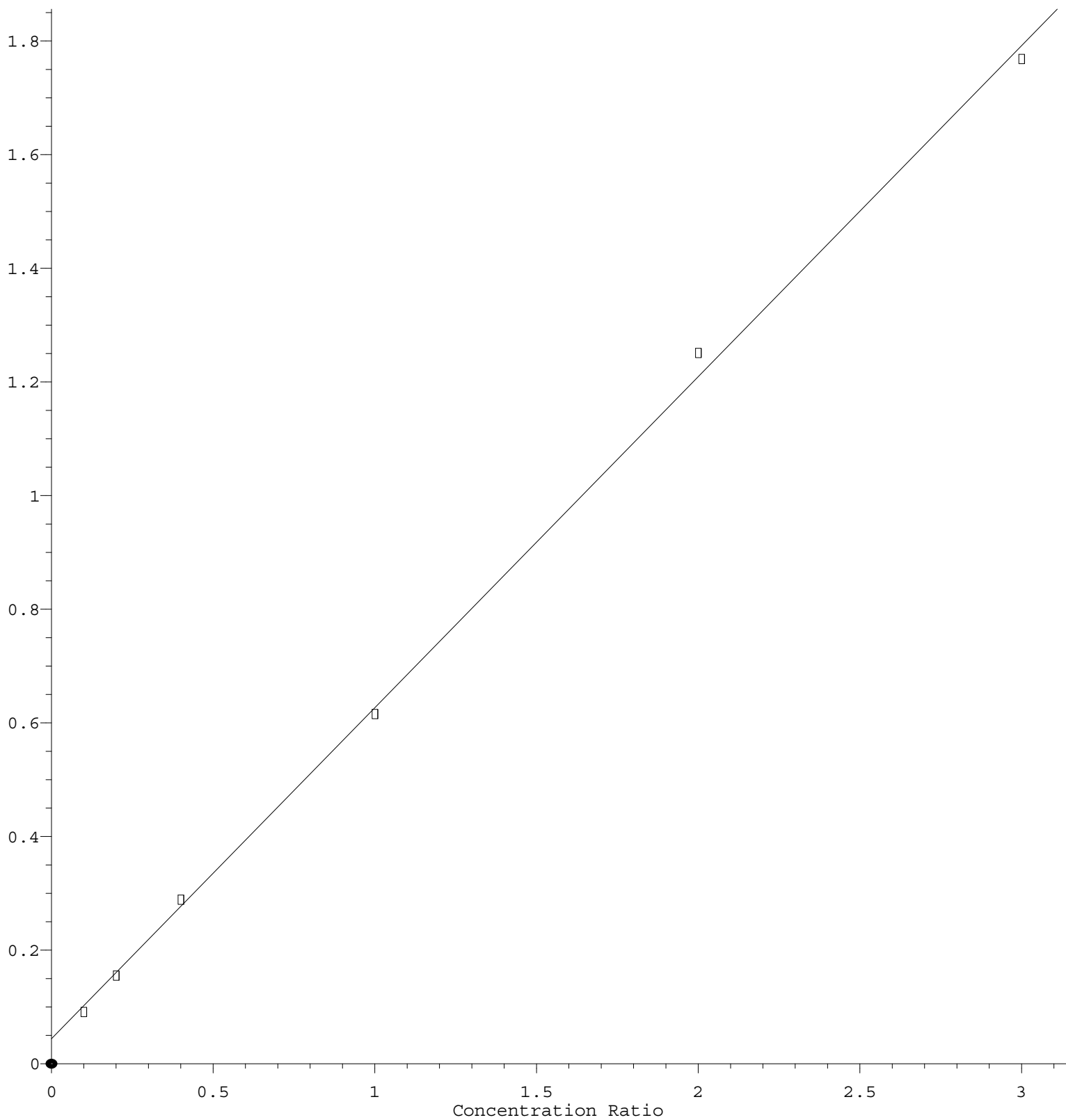
Response Ratio



$R = -2.556e-002 A^2 + 5.306e-001 A + 2.061e-001$
 Coef of Det (r^2) = 0.999423 Curve Fit: Quadratic
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Cyclohexane

Response Ratio



$$\text{Response} = 5.829\text{e-}001 * \text{Amt} + 4.403\text{e-}002$$

Coef of Det (r^2) = 0.998817 Curve Fit: Linear

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