

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D081022S.M
 Title : SW846 8260
 Last Update : Wed Aug 10 14:55:58 2022
 Response Via : Initial Calibration

Calibration Files

5 =VD074017.D 10 =VD074018.D 20 =VD074019.D 50 =VD074020.D 75 =VD074021.D 100 =VD074022.D

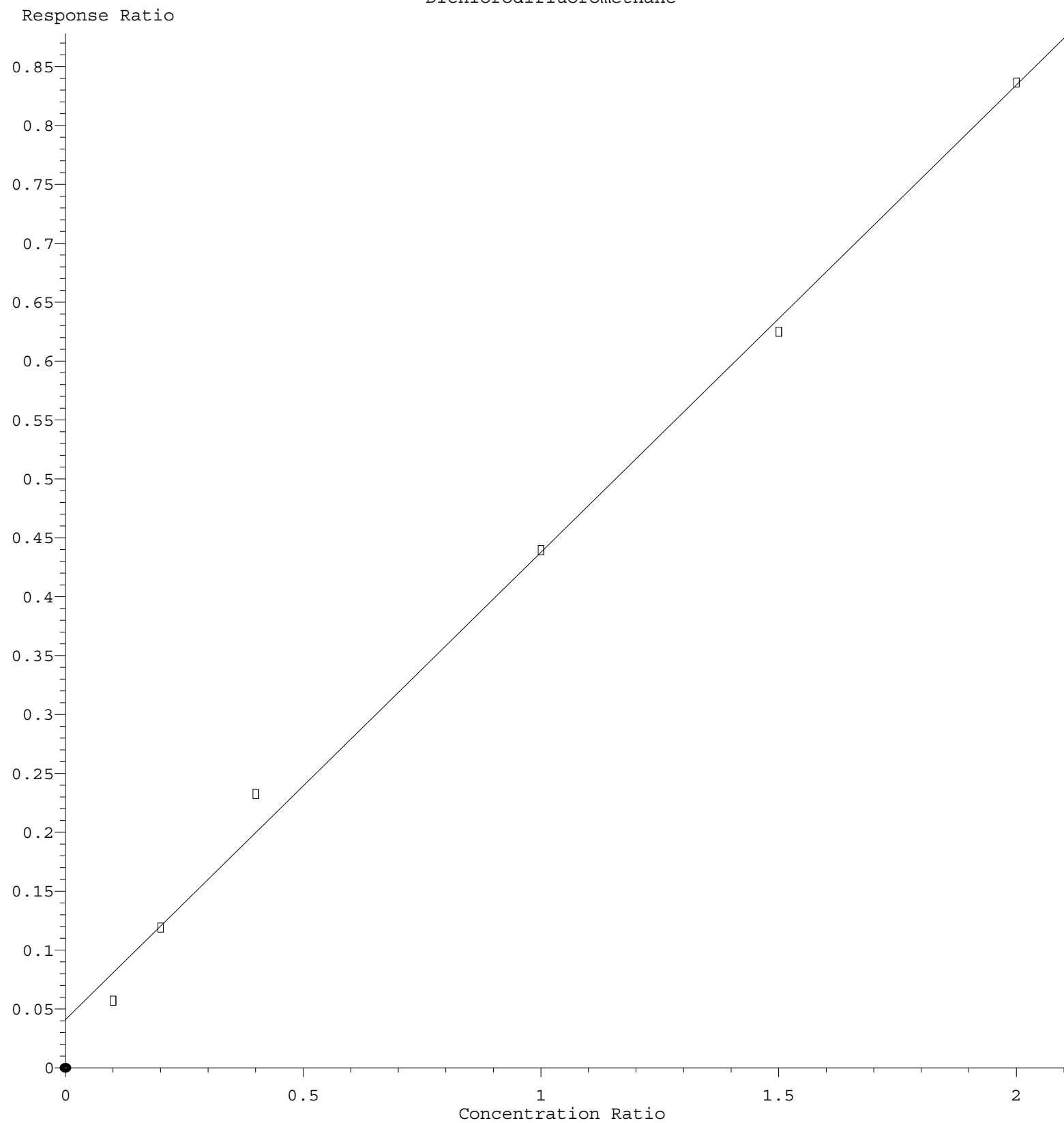
	Compound	5	10	20	50	75	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.570	0.595	0.581	0.440	0.417	0.418	0.503	17.26
3) P	Chloromethane	0.935	0.924	0.837	0.693	0.660	0.635	0.781	17.30
4) C	Vinyl Chloride	1.164	1.218	1.114	1.018	0.938	0.932	1.064	11.24#
5) T	Bromomethane	0.806	0.761	0.753	0.702	0.680	0.697	0.733	6.59
6) T	Chloroethane	0.884	0.839	0.824	0.710	0.672	0.640	0.762	13.17
7) T	Trichlorofluor...	1.159	1.157	1.049	0.952	0.886	0.875	1.013	12.66
8) T	Diethyl Ether	0.250	0.250	0.236	0.213	0.216	0.232	0.233	6.83
9) T	1,1,2-Trichlor...	0.692	0.645	0.584	0.547	0.508	0.500	0.580	13.24
10) T	Methyl Iodide	0.545	0.590	0.616	0.627	0.587	0.606	0.595	4.87
11) T	Tert butyl alc...	0.006	0.026	0.025	0.026	0.026	0.026	0.022	36.43
12) CM	1,1-Dichloroet...	0.542	0.508	0.515	0.493	0.465	0.477	0.500	5.53#
13) T	Acrolein	0.041	0.036	0.038	0.040	0.038	0.040	0.039	5.10
14) T	Allyl chloride	0.661	0.664	0.654	0.646	0.622	0.609	0.643	3.50
15) T	Acrylonitrile	0.106	0.098	0.095	0.093	0.094	0.094	0.097	5.28
16) T	Acetone	0.094	0.094	0.079	0.071	0.076	0.066	0.080	14.94
17) T	Carbon Disulfide	1.789	1.779	1.666	1.558	1.468	1.468	1.621	8.98
18) T	Methyl Acetate	0.347	0.266	0.254	0.226	0.219	0.221	0.256	19.06
19) T	Methyl tert-bu...	1.061	1.114	1.143	1.121	1.113	1.134	1.114	2.55
20) T	Methylene Chlo...	0.766	0.622	0.608	0.546	0.513	0.518	0.596	15.94
21) T	trans-1,2-Dich...	0.669	0.643	0.580	0.587	0.558	0.565	0.600	7.48
22) T	Diisopropyl ether	1.326	1.378	1.400	1.401	1.385	1.404	1.382	2.13
23) T	Vinyl Acetate	3.044	3.528	3.679	3.794	3.834	3.958	3.640	8.96
24) P	1,1-Dichloroet...	1.107	1.059	1.011	0.944	0.905	0.916	0.990	8.28
25) T	2-Butanone	0.139	0.133	0.125	0.115	0.122	0.117	0.125	7.62
26) T	2,2-Dichloropr...	1.042	1.028	0.945	0.922	0.880	0.865	0.947	7.82
27) T	cis-1,2-Dichlo...	0.683	0.657	0.632	0.638	0.615	0.626	0.642	3.83
28) T	Bromochloromet...	0.397	0.424	0.384	0.369	0.356	0.363	0.382	6.59
29) T	Tetrahydrofuran	0.074	0.082	0.077	0.076	0.076	0.078	0.077	3.45
30) C	Chloroform	1.251	1.184	1.119	1.101	1.048	1.032	1.123	7.39#
31) T	Cyclohexane	1.074	0.935	0.847	0.823	0.794	0.793	0.878	12.49
32) T	1,1,1-Trichlor...	1.205	1.130	1.059	1.030	0.985	0.998	1.068	7.96
33) S	1,2-Dichloroet...	0.666	0.626	0.563	0.397	0.367	0.366	0.497	27.47
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.397	0.369	0.361	0.299	0.284	0.282	0.332	14.90
36) T	1,1-Dichloropr...	0.521	0.502	0.493	0.517	0.501	0.498	0.505	2.21
37) T	Ethyl Acetate	0.189	0.194	0.171	0.172	0.173	0.180	0.180	5.39
38) T	Carbon Tetrach...	0.569	0.582	0.569	0.590	0.550	0.558	0.570	2.54
39) T	Methylcyclohexane	0.537	0.548	0.559	0.609	0.586	0.601	0.573	5.19
40) TM	Benzene	1.373	1.377	1.354	1.392	1.340	1.383	1.370	1.40
41) T	Methacrylonitrile	0.093	0.103	0.106	0.105	0.091	0.091	0.098	7.37
42) TM	1,2-Dichloroet...	0.455	0.436	0.414	0.428	0.399	0.401	0.422	5.14
43) T	Isopropyl Acetate	0.311	0.341	0.345	0.354	0.349	0.361	0.344	5.06
44) TM	Trichloroethene	0.431	0.425	0.387	0.401	0.384	0.390	0.403	5.01
45) C	1,2-Dichloropr...	0.327	0.356	0.325	0.333	0.312	0.326	0.330	4.48#
46) T	Dibromomethane	0.216	0.216	0.215	0.212	0.205	0.210	0.212	1.99
47) T	Bromodichlorom...	0.564	0.526	0.519	0.533	0.509	0.518	0.528	3.62
48) T	Methyl methacr...	0.159	0.163	0.151	0.170	0.169	0.172	0.164	4.74
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.19
50) S	Toluene-d8	1.198	1.227	1.260	0.841	0.823	0.826	1.029	21.30
51) T	4-Methyl-2-Pen...	0.160	0.172	0.179	0.182	0.180	0.184	0.176	5.04
52) CM	Toluene	0.862	0.878	0.886	0.962	0.926	0.973	0.914	5.07#
53) T	t-1,3-Dichloro...	0.399	0.472	0.431	0.478	0.468	0.484	0.455	7.33
54) T	cis-1,3-Dichlo...	0.485	0.510	0.521	0.558	0.541	0.543	0.526	5.05
55) T	1,1,2-Trichlor...	0.289	0.268	0.264	0.273	0.257	0.269	0.270	4.05
56) T	Ethyl methacry...	0.241	0.260	0.277	0.300	0.306	0.316	0.283	10.28

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57)	T	1,3-Dichloropr...	0.432	0.442	0.426	0.443	0.425	0.440	0.435	1.86
58)	T	2-Chloroethyl ...	0.095	0.107	0.114	0.123	0.131	0.139	0.118	13.62
59)	T	2-Hexanone	0.104	0.110	0.121	0.123	0.125	0.126	0.118	7.61
60)	T	Dibromochlorom...	0.359	0.362	0.366	0.370	0.359	0.377	0.365	1.98
61)	T	1,2-Dibromoethane	0.282	0.270	0.266	0.277	0.267	0.273	0.273	2.27
62)	S	4-Bromofluorob...	0.415	0.399	0.418	0.413	0.401	0.404	0.408	1.96
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.423	0.386	0.375	0.365	0.346	0.353	0.375	7.37
65)	PM	Chlorobenzene	1.110	1.086	1.040	1.053	1.041	1.072	1.067	2.59
66)	T	1,1,1,2-Tetrac...	0.419	0.414	0.376	0.404	0.403	0.416	0.405	3.87
67)	C	Ethyl Benzene	1.705	1.757	1.804	1.943	1.935	2.008	1.859	6.46#
68)	T	m/p-Xylenes	0.634	0.705	0.717	0.787	0.791	0.821	0.742	9.39
69)	T	o-Xylene	0.589	0.640	0.652	0.721	0.716	0.761	0.680	9.34
70)	T	Styrene	0.947	1.023	1.118	1.246	1.266	1.309	1.151	12.66
71)	P	Bromoform	0.211	0.222	0.224	0.224	0.223	0.235	0.223	3.45
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.254	3.367	3.363	3.656	3.591	3.625	3.476	4.84
74)	T	N-amyl acetate	0.626	0.671	0.667	0.678	0.664	0.678	0.664	2.93
75)	P	1,1,2,2-Tetrac...	0.711	0.675	0.619	0.603	0.591	0.588	0.631	8.02
76)	T	1,2,3-Trichlor...	0.591	0.529	0.389	0.382	0.462	0.387	0.457	19.14
77)	T	Bromobenzene	0.858	0.837	0.808	0.823	0.823	0.833	0.830	2.03
78)	T	n-propylbenzene	4.069	4.260	4.239	4.555	4.336	4.369	4.305	3.75
79)	T	2-Chlorotoluene	2.441	2.446	2.346	2.479	2.414	2.412	2.423	1.85
80)	T	1,3,5-Trimethy...	2.631	2.854	2.904	3.141	3.076	3.103	2.951	6.58
81)	T	trans-1,4-Dich...	0.158	0.169	0.174	0.173	0.174	0.180	0.171	4.43
82)	T	4-Chlorotoluene	2.446	2.557	2.489	2.661	2.541	2.561	2.543	2.88
83)	T	tert-Butylbenzene	2.153	2.465	2.455	2.670	2.630	2.669	2.507	7.93
84)	T	1,2,4-Trimethy...	2.631	2.921	2.875	3.169	3.104	3.101	2.967	6.75
85)	T	sec-Butylbenzene	3.470	3.792	3.799	4.154	3.951	4.014	3.863	6.12
86)	T	p-Isopropyltol...	2.734	3.089	3.117	3.534	3.464	3.467	3.234	9.60
87)	T	1,3-Dichlorobe...	1.744	1.733	1.704	1.790	1.743	1.742	1.743	1.59
88)	T	1,4-Dichlorobe...	1.866	1.847	1.675	1.758	1.673	1.698	1.753	4.91
89)	T	n-Butylbenzene	2.705	3.012	2.978	3.240	3.116	3.123	3.029	6.06
90)	T	Hexachloroethane	0.642	0.656	0.630	0.656	0.632	0.622	0.640	2.23
91)	T	1,2-Dichlorobe...	1.496	1.530	1.510	1.519	1.468	1.458	1.497	1.92
92)	T	1,2-Dibromo-3-...	0.136	0.125	0.099	0.094	0.102	0.096	0.109	15.91
93)	T	1,2,4-Trichlor...	0.868	0.902	0.838	0.885	0.874	0.891	0.876	2.52
94)	T	Hexachlorobuta...	0.525	0.528	0.498	0.498	0.480	0.478	0.501	4.23
95)	T	Naphthalene	1.380	1.462	1.475	1.605	1.637	1.681	1.540	7.65
96)	T	1,2,3-Trichlor...	0.740	0.795	0.769	0.780	0.759	0.780	0.771	2.51

(#) = Out of Range

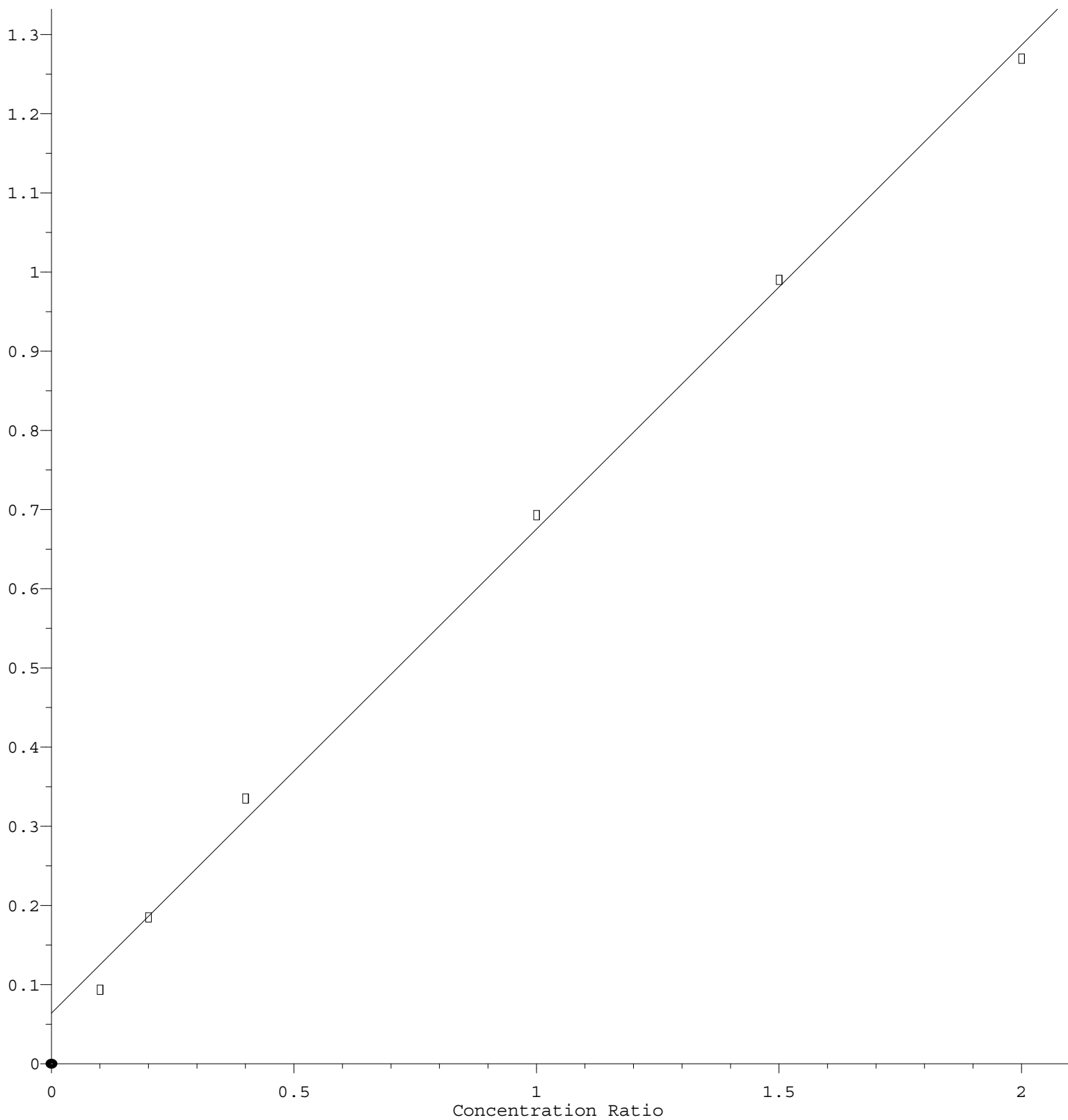
Dichlorodifluoromethane



Response = 3.964e-001 * Amt + 4.130e-002
 Coef of Det (r^2) = 0.996212 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081022S.M
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Chloromethane

Response Ratio



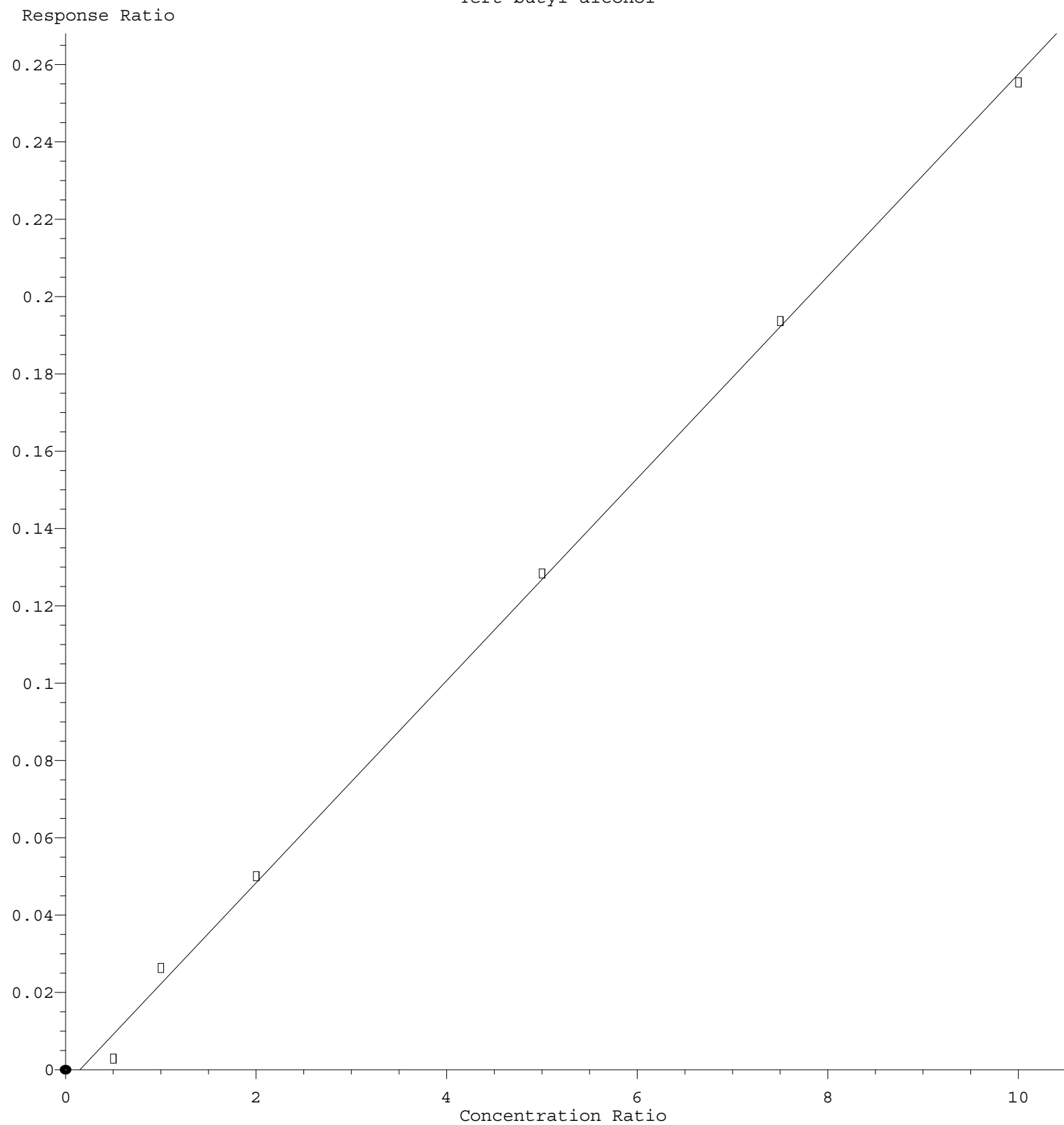
$$\text{Response} = 6.118\text{e-}001 * \text{Amt} + 6.406\text{e-}002$$

Coef of Det (r^2) = 0.997844 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081022S.M

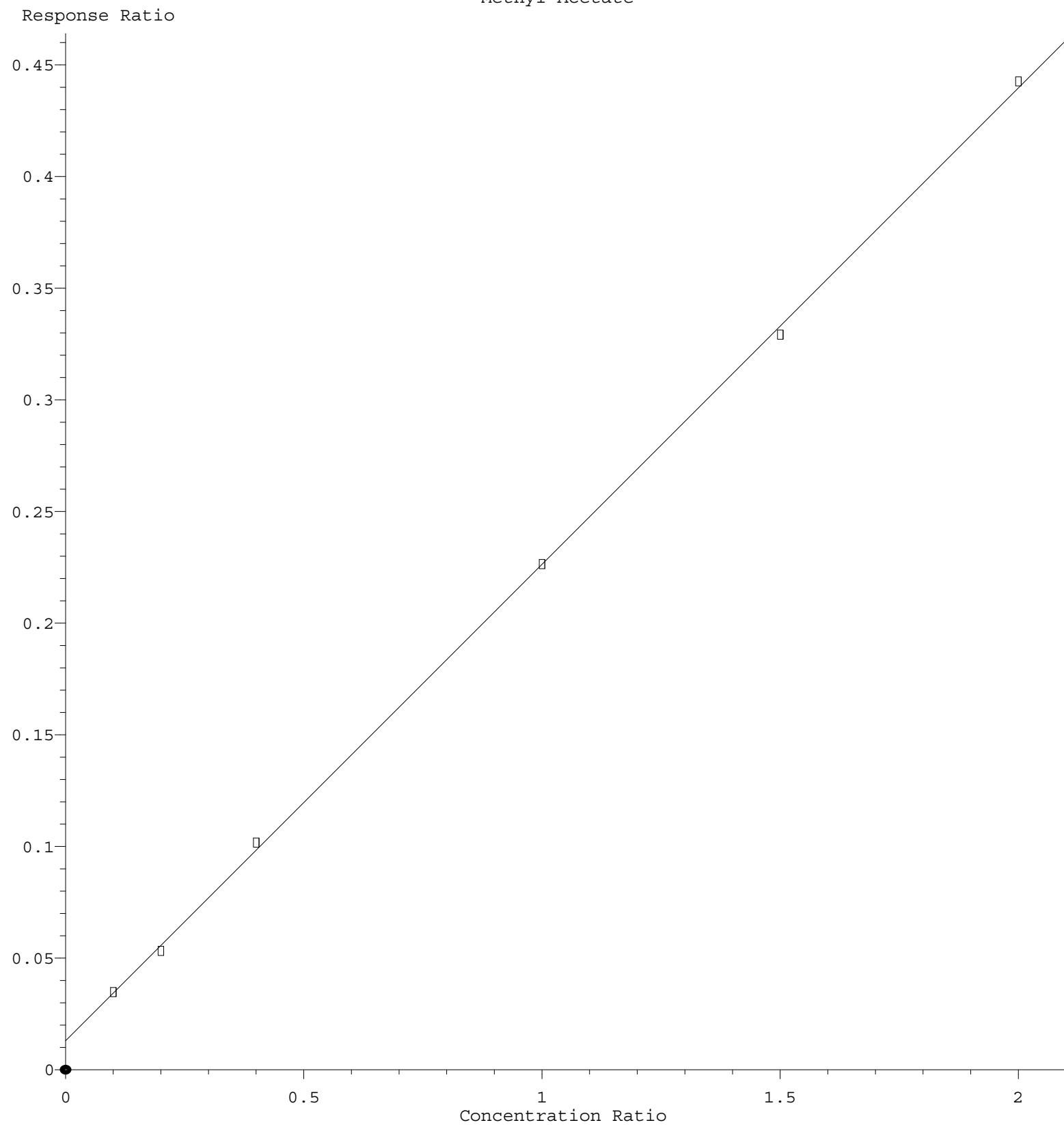
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Tert butyl alcohol



Response = $2.614 \times 10^{-2} \times \text{Amt} - 3.852 \times 10^{-3}$
 Coef of Det (r^2) = 0.998649 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081022S.M
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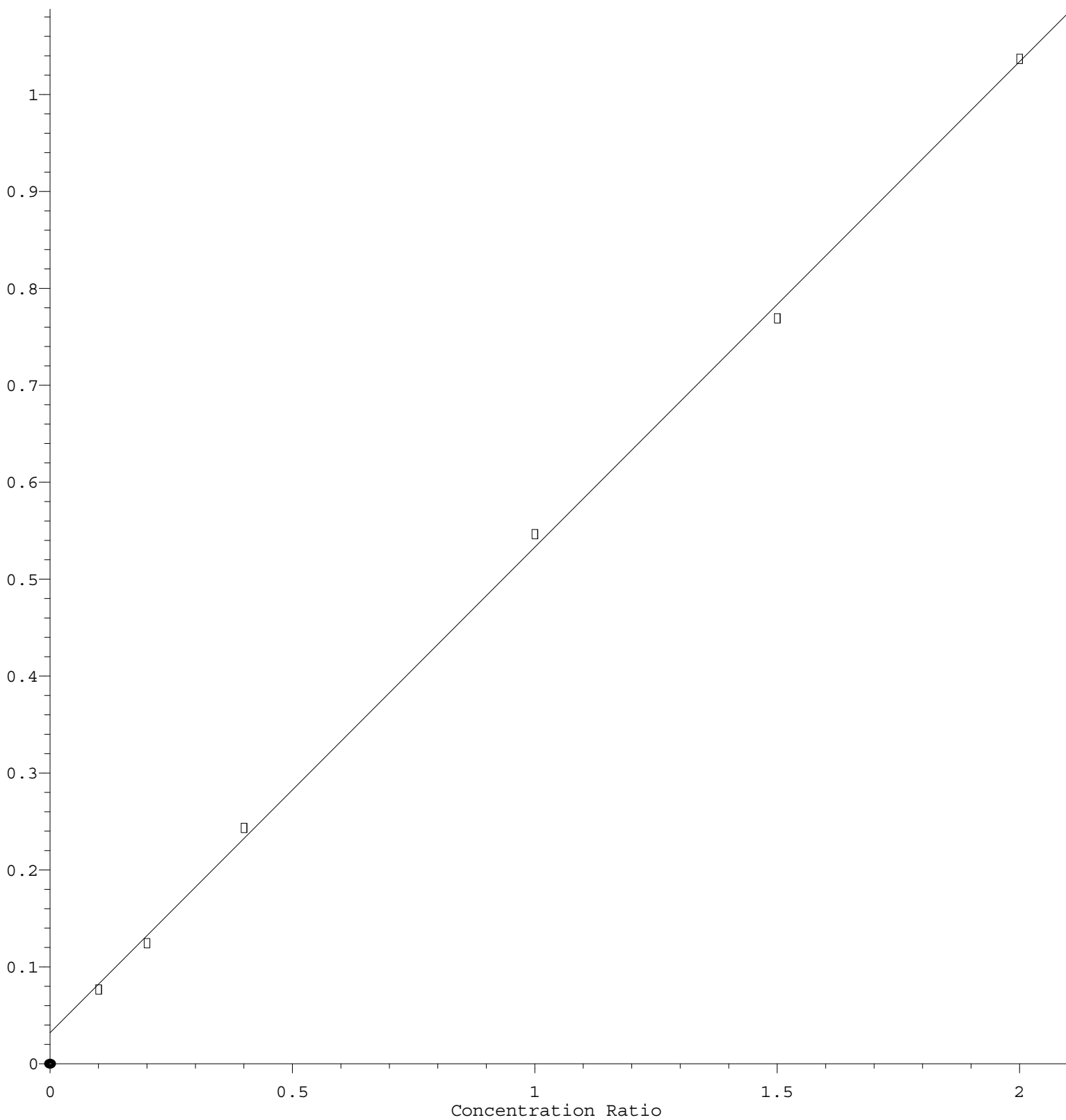
Methyl Acetate



Response = $2.136 \times 10^{-1} \times \text{Amt} + 1.290 \times 10^{-2}$
Coef of Det (r^2) = 0.999698 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081022S.M
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Methylene Chloride

Response Ratio



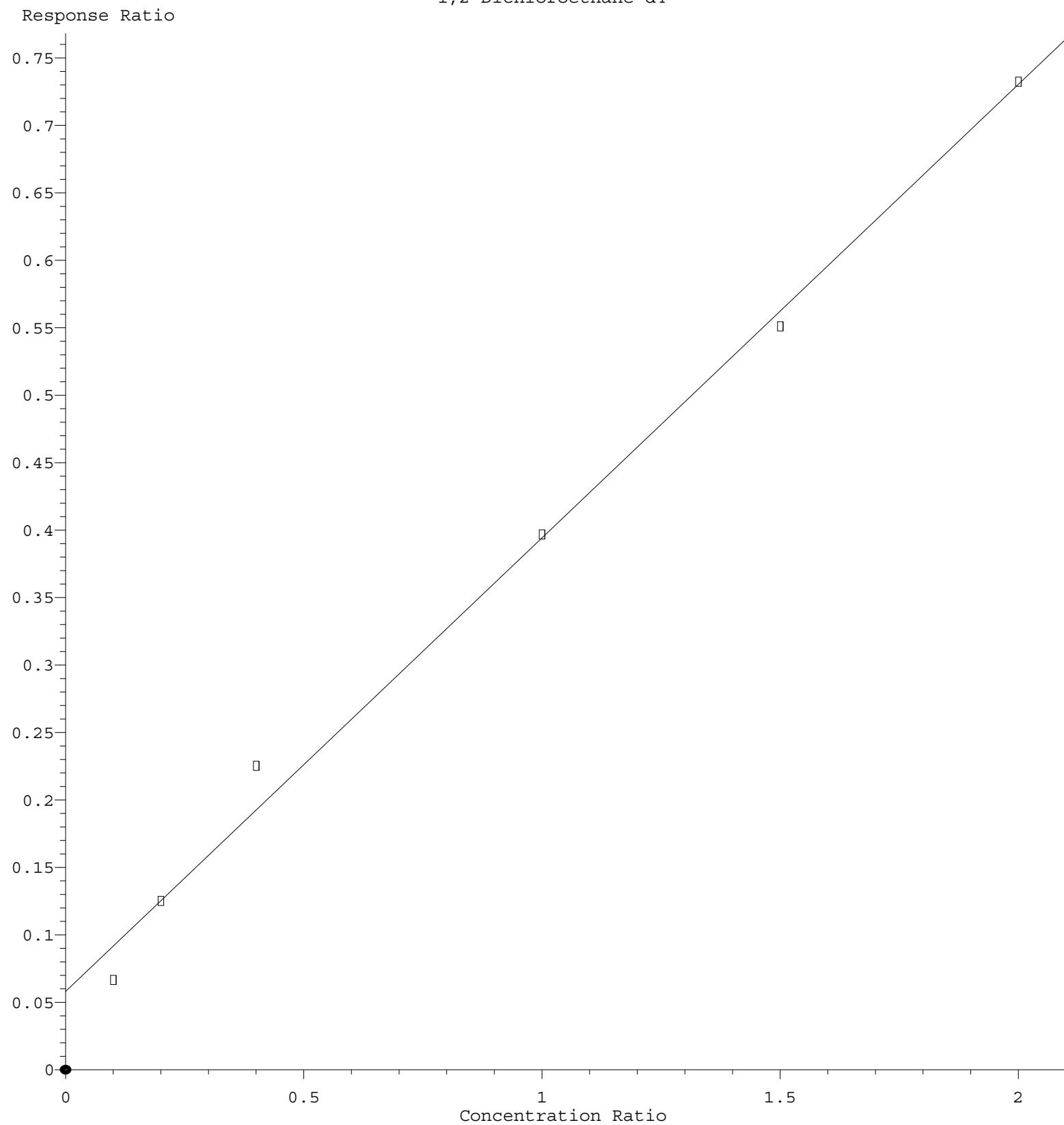
$$\text{Response} = 5.010\text{e-}001 * \text{Amt} + 3.186\text{e-}002$$

Coef of Det (r^2) = 0.999182 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081022S.M

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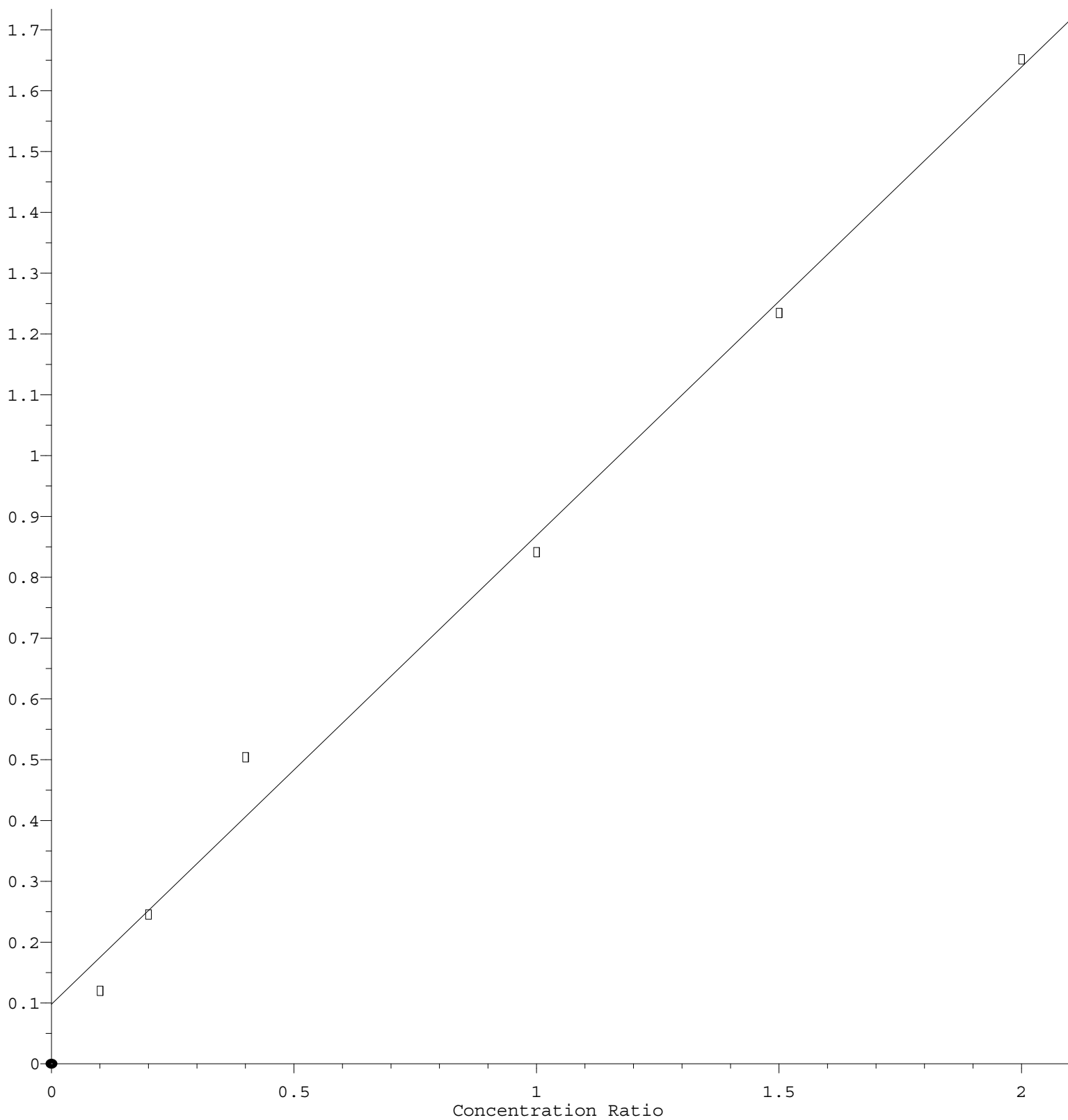
1,2-Dichloroethane-d4



Response = $3.360 \times 10^{-1} \times \text{Amt} + 5.834 \times 10^{-2}$
Coef of Det (r^2) = 0.994503 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081022S.M
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Toluene-d8

Response Ratio



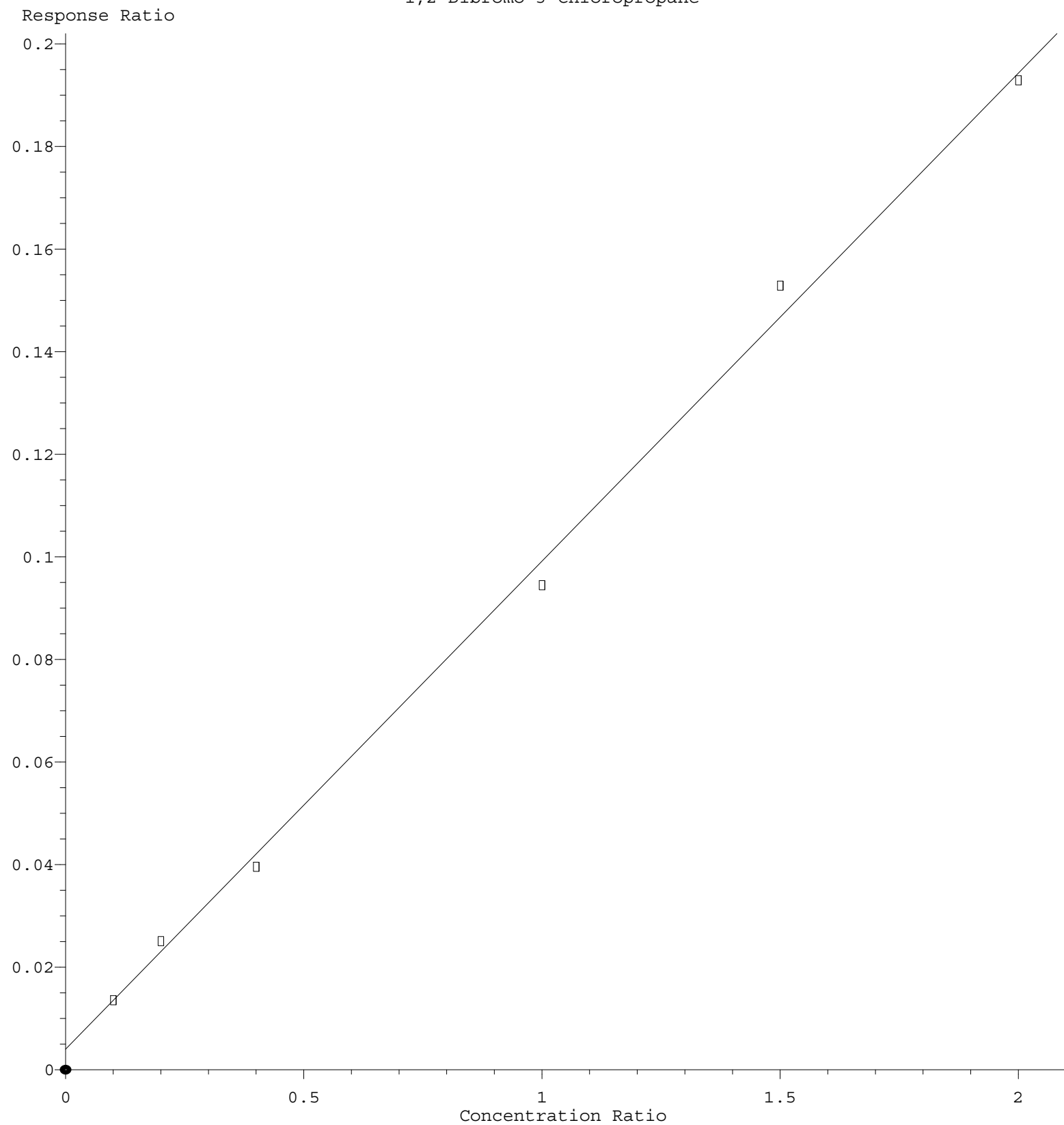
$$\text{Response} = 7.703\text{e-}001 * \text{Amt} + 9.844\text{e-}002$$

Coef of Det (r^2) = 0.992104 Curve Fit: Linear

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1,2-Dibromo-3-Chloropropane



Response = $9.563 \times 10^{-2} \times \text{Amt} + 3.519 \times 10^{-3}$
 Coef of Det (r^2) = 0.997371 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081022S.M
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