

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N021624W.M
 Title : SW846 8260
 Last Update : Fri Feb 16 23:45:20 2024
 Response Via : Initial Calibration

Calibration Files

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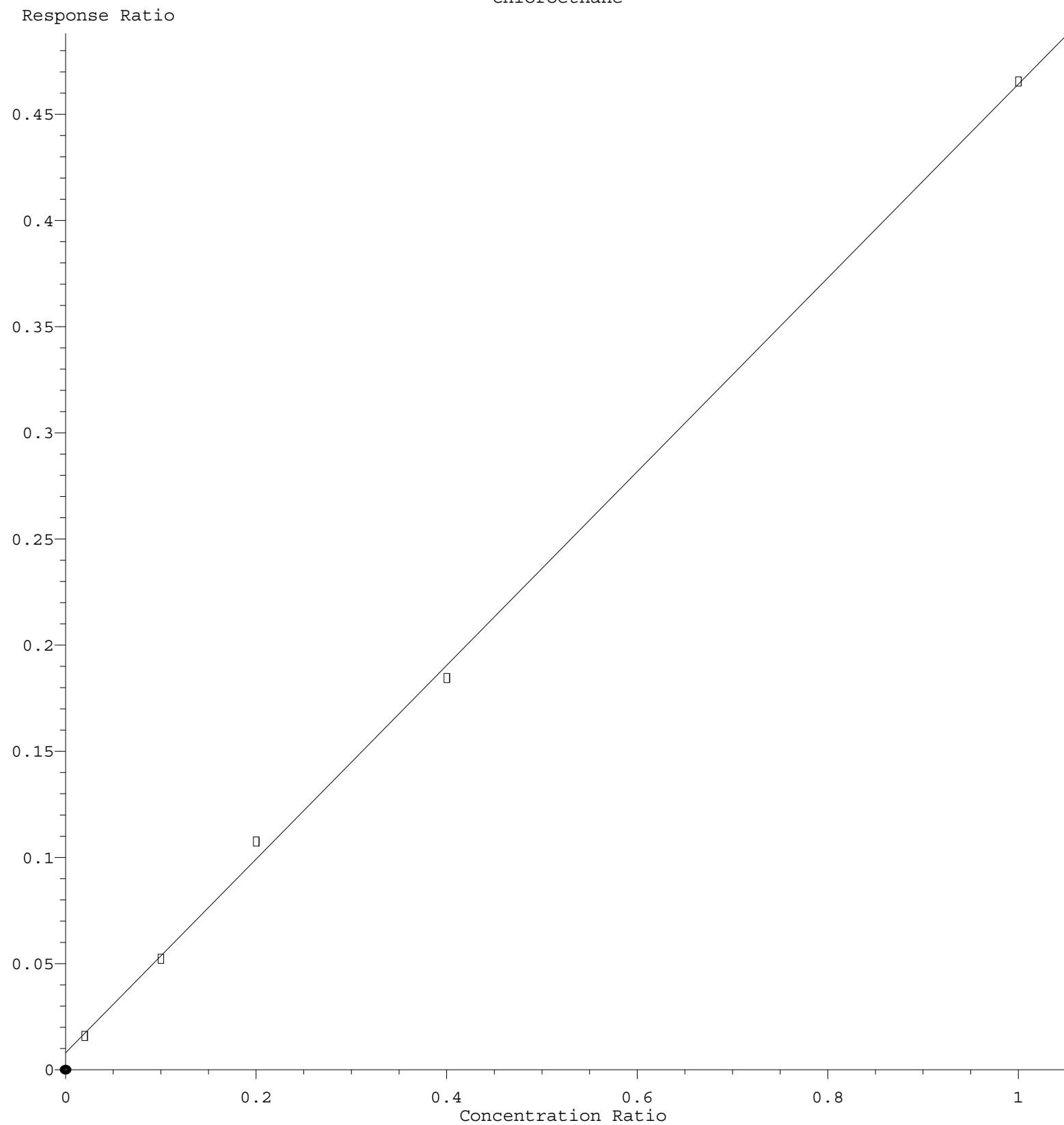
	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.549	0.653	0.661	0.644	0.688	0.684	0.647	7.86
3) P	Chloromethane	1.254	0.869	0.696	0.775	0.713	0.695	0.833	25.97
4) C	Vinyl Chloride	0.725	0.756	0.681	0.742	0.704	0.701	0.718	3.88#
5) T	Bromomethane		0.575	0.496	0.524	0.487	0.468	0.510	8.09
6) T	Chloroethane	0.795	0.523	0.537	0.461	0.465		0.556	24.70
7) T	Trichlorofluor...	1.024	1.109	0.981	1.098	1.038	1.046	1.049	4.52
8) T	Diethyl Ether	0.397	0.390	0.343	0.412	0.383	0.376	0.384	6.16
9) T	1,1,2-Trichlor...	0.581	0.625	0.519	0.620	0.579	0.586	0.585	6.54
10) T	Methyl Iodide		0.641	0.602	0.674	0.678	0.670	0.653	4.92
11) T	Tert butyl alc...		0.129	0.115	0.122	0.102	0.096	0.113	12.15
12) CM	1,1-Dichloroet...	0.573	0.602	0.525	0.585	0.554	0.554	0.565	4.80#
13) T	Acrolein		0.091	0.057	0.058	0.055	0.040	0.060	31.11
14) T	Allyl chloride	0.885	0.834	0.789	0.885	0.824	0.818	0.839	4.62
15) T	Acrylonitrile	0.314	0.314	0.276	0.310	0.284	0.269	0.294	6.96
16) T	Acetone	0.270	0.258	0.231	0.252	0.225	0.211	0.241	9.24
17) T	Carbon Disulfide	1.717	1.630	1.428	1.635	1.516	1.537	1.577	6.55
18) T	Methyl Acetate	0.465	0.660	0.609	0.631	0.594	0.572	0.588	11.51
19) T	Methyl tert-bu...	1.901	2.066	1.797	2.044	1.930	1.882	1.937	5.27
20) T	Methylene Chlo...	0.898	0.707	0.618	0.698	0.622	0.617	0.693	15.62
21) T	trans-1,2-Dich...	0.641	0.698	0.582	0.662	0.600	0.602	0.631	7.00
22) T	Diisopropyl ether	1.760	2.056	1.738	2.054	1.893	1.916	1.903	7.21
23) T	Vinyl Acetate	1.438	1.582	1.442	1.713	1.558	1.531	1.544	6.62
24) P	1,1-Dichloroet...	1.072	1.153	1.027	1.168	1.091	1.091	1.100	4.75
25) T	2-Butanone	0.393	0.414	0.385	0.434	0.370	0.342	0.390	8.30
26) T	2,2-Dichloropr...	1.037	1.031	0.951	1.082	1.037	1.047	1.031	4.20
27) T	cis-1,2-Dichlo...	0.810	0.739	0.664	0.758	0.721	0.705	0.733	6.76
28) T	Bromochloromet...	0.459	0.528	0.431	0.419	0.446	0.454	0.456	8.33
29) T	Tetrahydrofuran	0.284	0.273	0.250	0.277	0.246	0.230	0.260	8.14
30) C	Chloroform	1.198	1.223	1.090	1.214	1.145	1.150	1.170	4.35#
31) T	Cyclohexane		1.229	1.040	1.067	0.969	0.986	1.058	9.76
32) T	1,1,1-Trichlor...	1.074	1.117	0.960	1.137	1.047	1.059	1.065	5.83
33) S	1,2-Dichloroet...		0.768	0.573	0.567	0.580	0.577	0.613	14.16
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.326	0.265	0.263	0.275	0.285	0.283	9.19
36) T	1,1-Dichloropr...	0.489	0.508	0.446	0.498	0.470	0.495	0.484	4.68
37) T	Ethyl Acetate	0.445	0.479	0.413	0.448	0.426	0.411	0.437	5.95
38) T	Carbon Tetrach...	0.444	0.512	0.433	0.526	0.501	0.524	0.490	8.35
39) T	Methylcyclohexane	0.534	0.580	0.510	0.604	0.566	0.595	0.565	6.45
40) TM	Benzene	1.402	1.416	1.268	1.497	1.389	1.440	1.402	5.40
41) T	Methacrylonitrile	0.254	0.263	0.253	0.256	0.223	0.243	0.249	5.57
42) TM	1,2-Dichloroet...	0.505	0.505	0.455	0.503	0.478	0.489	0.489	4.09
43) T	Isopropyl Acetate	0.772	0.772	0.718	0.823	0.751	0.751	0.765	4.59
44) TM	Trichloroethene	0.377	0.392	0.347	0.395	0.355	0.374	0.373	5.14
45) C	1,2-Dichloropr...	0.340	0.353	0.324	0.381	0.345	0.363	0.351	5.59#
46) T	Dibromomethane	0.271	0.266	0.235	0.263	0.246	0.252	0.256	5.24
47) T	Bromodichlorom...	0.446	0.485	0.442	0.512	0.499	0.522	0.484	6.97
48) T	Methyl methacr...	0.379	0.363	0.329	0.376	0.340	0.347	0.356	5.65
49) T	1,4-Dioxane	0.010	0.008	0.007	0.008	0.007	0.006	0.008	15.77
50) S	Toluene-d8		1.236	0.932	0.902	0.949	1.001	1.004	13.40
51) T	4-Methyl-2-Pen...	0.414	0.463	0.420	0.477	0.436	0.428	0.440	5.69
52) CM	Toluene	0.807	0.925	0.826	0.943	0.894	0.931	0.888	6.50#
53) T	t-1,3-Dichloro...	0.450	0.546	0.495	0.578	0.569	0.589	0.538	10.10
54) T	cis-1,3-Dichlo...	0.521	0.603	0.525	0.614	0.591	0.633	0.581	8.11
55) T	1,1,2-Trichlor...	0.307	0.363	0.324	0.358	0.349	0.348	0.341	6.31
56) T	Ethyl methacry...	0.476	0.522	0.487	0.560	0.537	0.550	0.522	6.49

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57)	T	1,3-Dichloropr...	0.581	0.592	0.545	0.635	0.585	0.604	0.590	4.99
58)	T	2-Chloroethyl ...	0.277	0.289	0.250	0.263	0.260	0.232	0.262	7.60
59)	T	2-Hexanone	0.348	0.347	0.331	0.379	0.367	0.320	0.349	6.27
60)	T	Dibromochlorom...	0.334	0.353	0.325	0.391	0.385	0.388	0.363	8.08
61)	T	1,2-Dibromoethane	0.360	0.352	0.334	0.384	0.361	0.364	0.359	4.49
62)	S	4-Bromofluorob...	0.445	0.336	0.351	0.360	0.395	0.377		11.48
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.371	0.339	0.339	0.351	0.317	0.330	0.341	5.44
65)	PM	Chlorobenzene	1.110	1.097	0.997	1.142	1.054	1.093	1.082	4.68
66)	T	1,1,1,2-Tetrac...	0.383	0.389	0.355	0.414	0.393	0.398	0.389	5.08
67)	C	Ethyl Benzene	1.781	2.003	1.772	2.094	1.941	2.027	1.936	6.88#
68)	T	m/p-Xylenes	0.703	0.743	0.685	0.796	0.747	0.779	0.742	5.76
69)	T	o-Xylene	0.714	0.762	0.671	0.776	0.735	0.756	0.736	5.22
70)	T	Styrene	1.007	1.172	1.072	1.282	1.196	1.265	1.166	9.26
71)	P	Bromoform	0.194	0.246	0.218	0.279	0.268	0.275	0.247	13.89
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.330	4.498	4.139	4.542	4.382	4.358	4.375	3.25
74)	T	N-amyl acetate	1.819	1.969	1.780	1.920	1.869	1.736	1.849	4.73
75)	P	1,1,2,2-Tetrac...	1.300	1.288	1.193	1.277	1.190	1.132	1.230	5.52
76)	T	1,2,3-Trichlor...	1.331	1.238	1.034	1.150	1.066	0.999	1.136	11.30
77)	T	Bromobenzene	1.024	1.041	0.901	0.986	0.944	0.956	0.975	5.37
78)	T	n-propylbenzene	4.740	5.232	4.607	5.279	5.139	5.219	5.036	5.71
79)	T	2-Chlorotoluene	3.333	3.180	2.849	3.193	2.971	3.007	3.089	5.73
80)	T	1,3,5-Trimethy...	3.246	3.722	3.279	3.786	3.624	3.624	3.547	6.45
81)	T	trans-1,4-Dich...	0.429	0.430	0.474	0.449	0.425	0.441		4.60
82)	T	4-Chlorotoluene	2.943	3.255	2.820	3.107	2.981	3.016	3.020	4.92
83)	T	tert-Butylbenzene	2.788	3.362	2.890	3.204	3.070	3.088	3.067	6.77
84)	T	1,2,4-Trimethy...	3.248	3.727	3.238	3.789	3.585	3.619	3.534	6.71
85)	T	sec-Butylbenzene	3.935	4.446	3.892	4.473	4.398	4.438	4.264	6.39
86)	T	p-Isopropyltol...	3.238	3.737	3.165	3.766	3.626	3.717	3.542	7.57
87)	T	1,3-Dichlorobe...	2.007	1.938	1.689	1.871	1.771	1.783	1.843	6.38
88)	T	1,4-Dichlorobe...	1.910	1.921	1.660	1.816	1.773	1.787	1.811	5.33
89)	T	n-Butylbenzene	2.813	3.174	2.755	3.265	3.193	3.312	3.085	7.75
90)	T	Hexachloroethane	0.517	0.571	0.510	0.645	0.625	0.645	0.585	10.58
91)	T	1,2-Dichlorobe...	1.929	1.855	1.619	1.818	1.724	1.721	1.778	6.25
92)	T	1,2-Dibromo-3-...	0.262	0.281	0.247	0.261	0.249	0.236	0.256	6.02
93)	T	1,2,4-Trichlor...	0.973	0.975	0.903	1.043	1.006	1.050	0.992	5.46
94)	T	Hexachlorobuta...	0.355	0.381	0.340	0.401	0.370	0.373	0.370	5.71
95)	T	Naphthalene	3.801	3.810	3.363	3.746	3.635	3.450	3.634	5.20
96)	T	1,2,3-Trichlor...	1.030	0.948	0.904	1.024	0.997	1.001	0.984	4.97

(#) = Out of Range

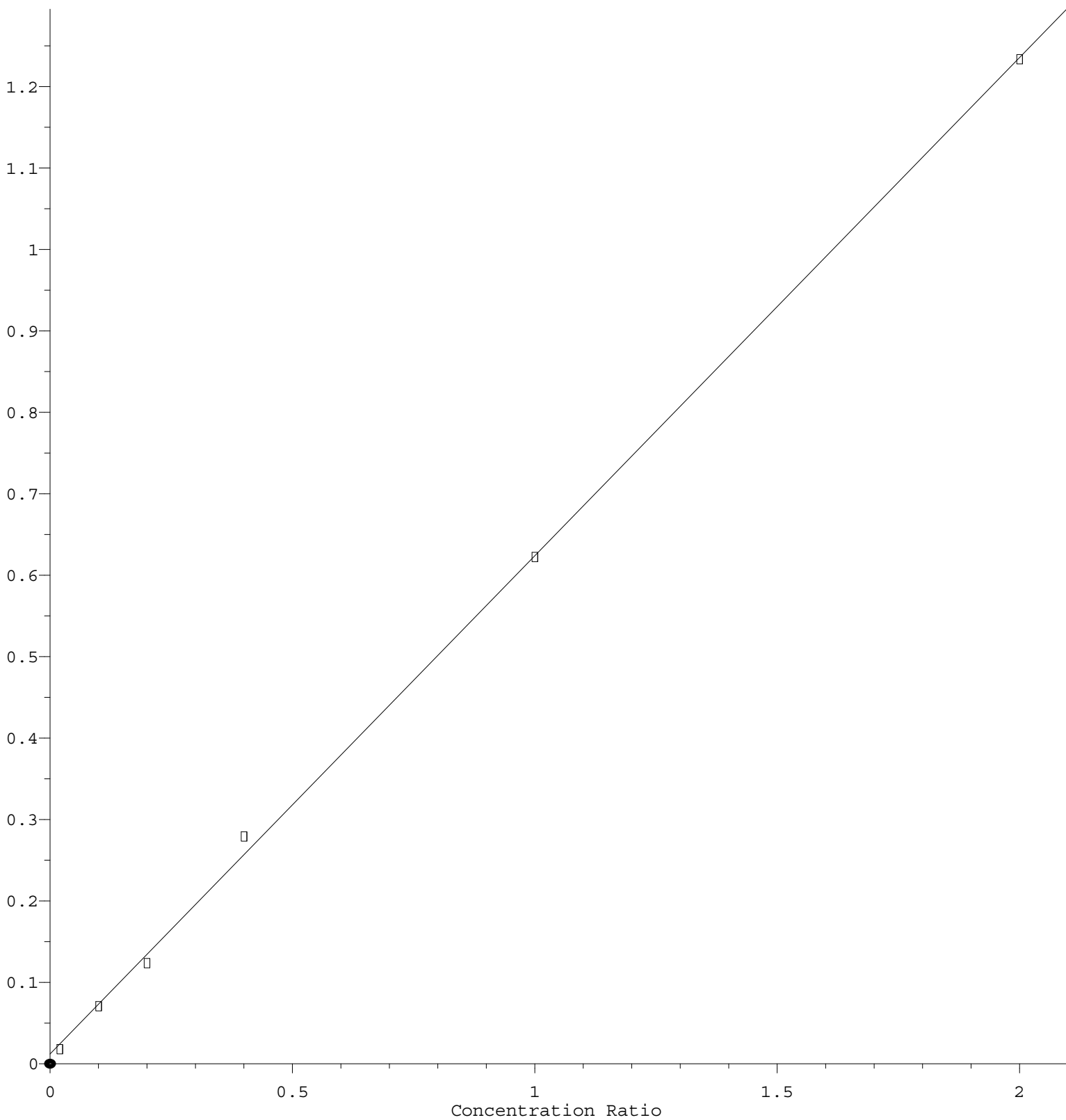
Chloroethane



Response = $4.562 \times 10^{-1} \times \text{Amt} + 8.183 \times 10^{-3}$
Coef of Det (r^2) = 0.999157 Curve Fit: Linear
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Methylene Chloride

Response Ratio



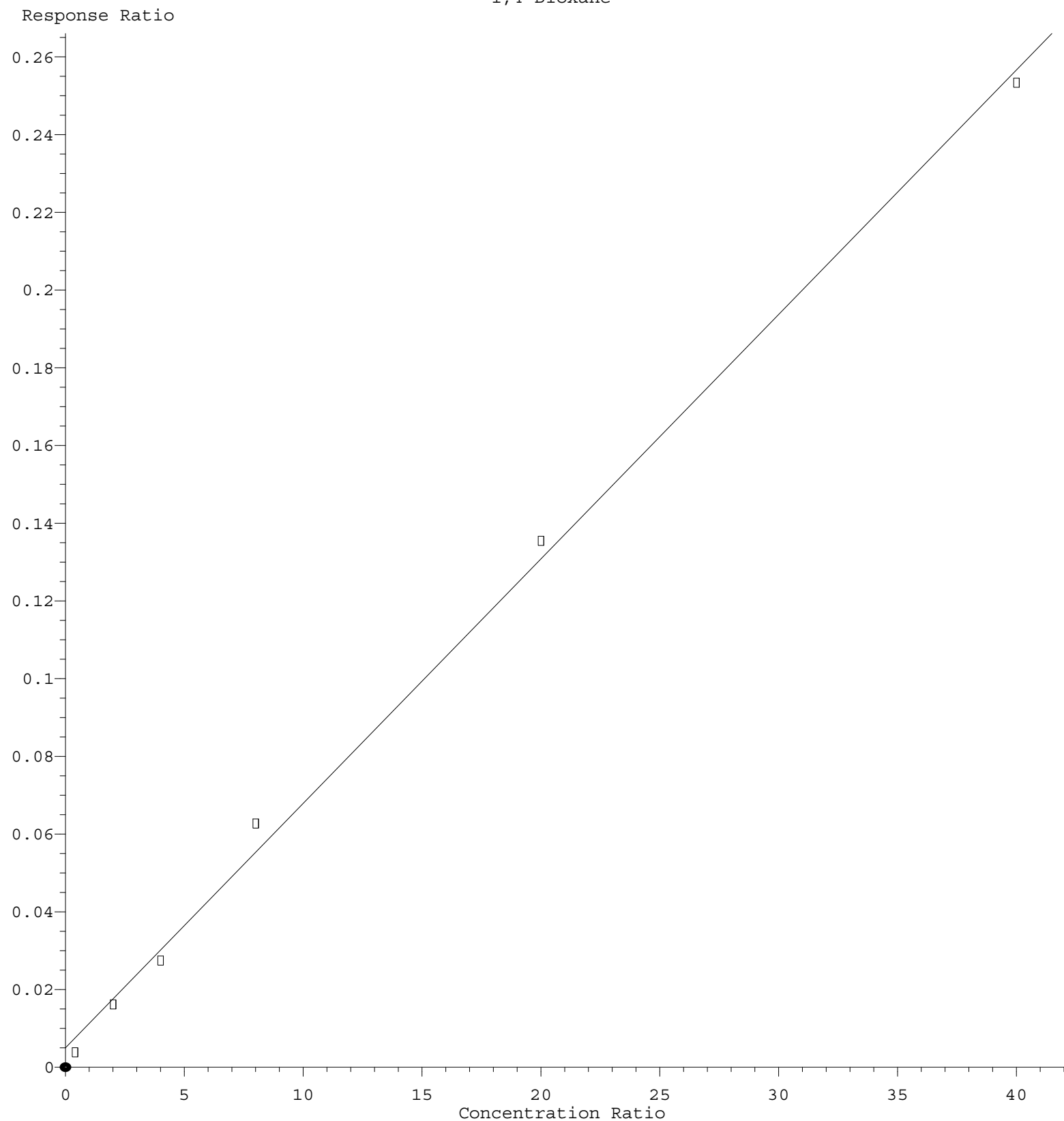
$$\text{Response} = 6.122\text{e-}001 * \text{Amt} + 1.160\text{e-}002$$

Coef of Det (r^2) = 0.999385 Curve Fit: Linear

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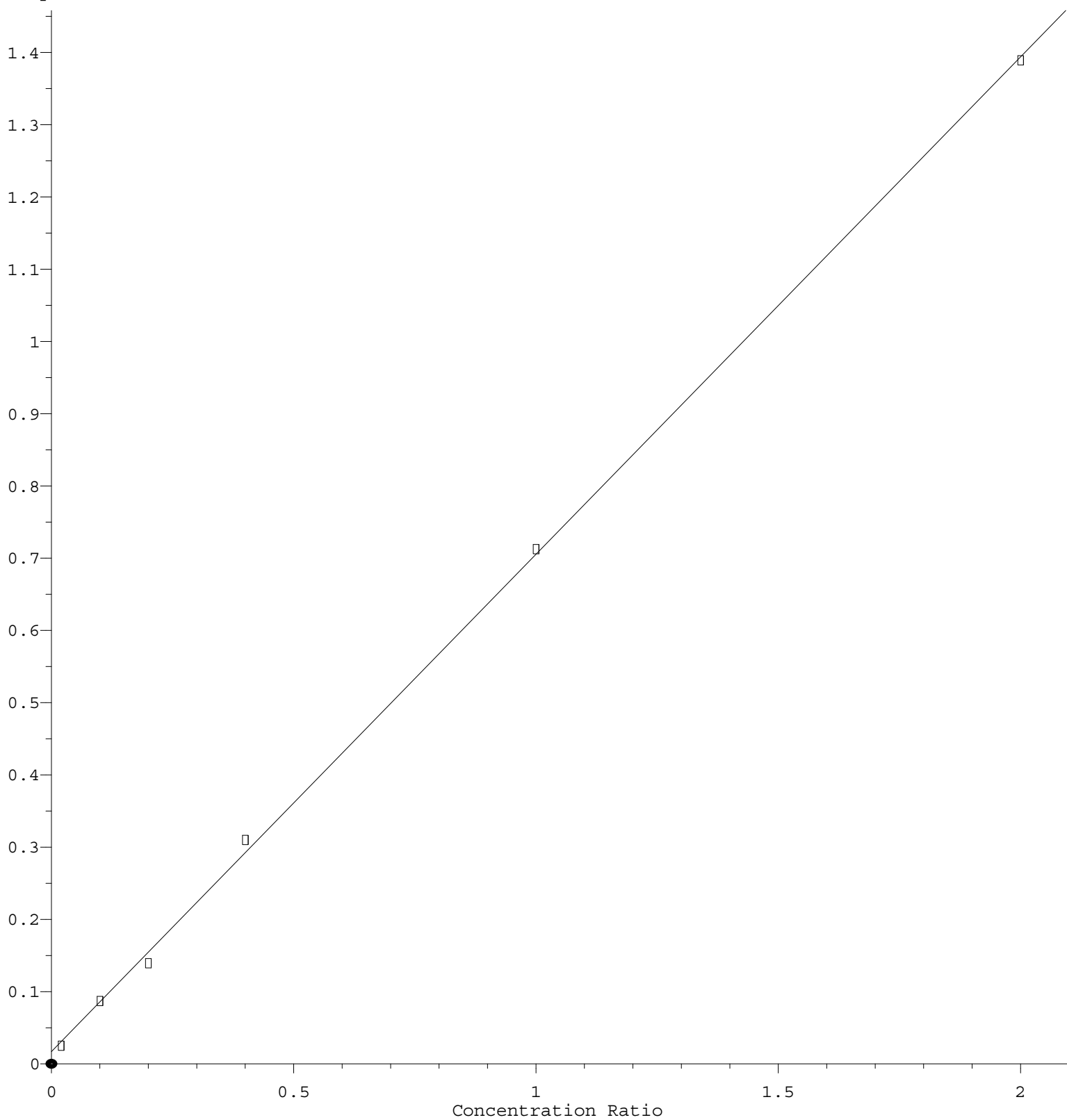
1,4-Dioxane



Response = $6.285 \times 10^{-3} \times \text{Amt} + 5.228 \times 10^{-3}$
 Coef of Det (r^2) = 0.997617 Curve Fit: Linear
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Chloromethane

Response Ratio



$$\text{Response} = 6.890\text{e-}001 * \text{Amt} + 1.661\text{e-}002$$

Coef of Det (r^2) = 0.999529 Curve Fit: Linear

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