

Method Path : Z:\voasrv\HPCHEM1\MSVOA_T\methods\
 Method File : 82T120825S.M
 Title : SW846 8260
 Last Update : Tue Dec 09 01:13:34 2025
 Response Via : Initial Calibration

Calibration Files

5 =VT019241.D 10 =VT019242.D 20 =VT019243.D 50 =VT019244.D 100 =VT019245.D

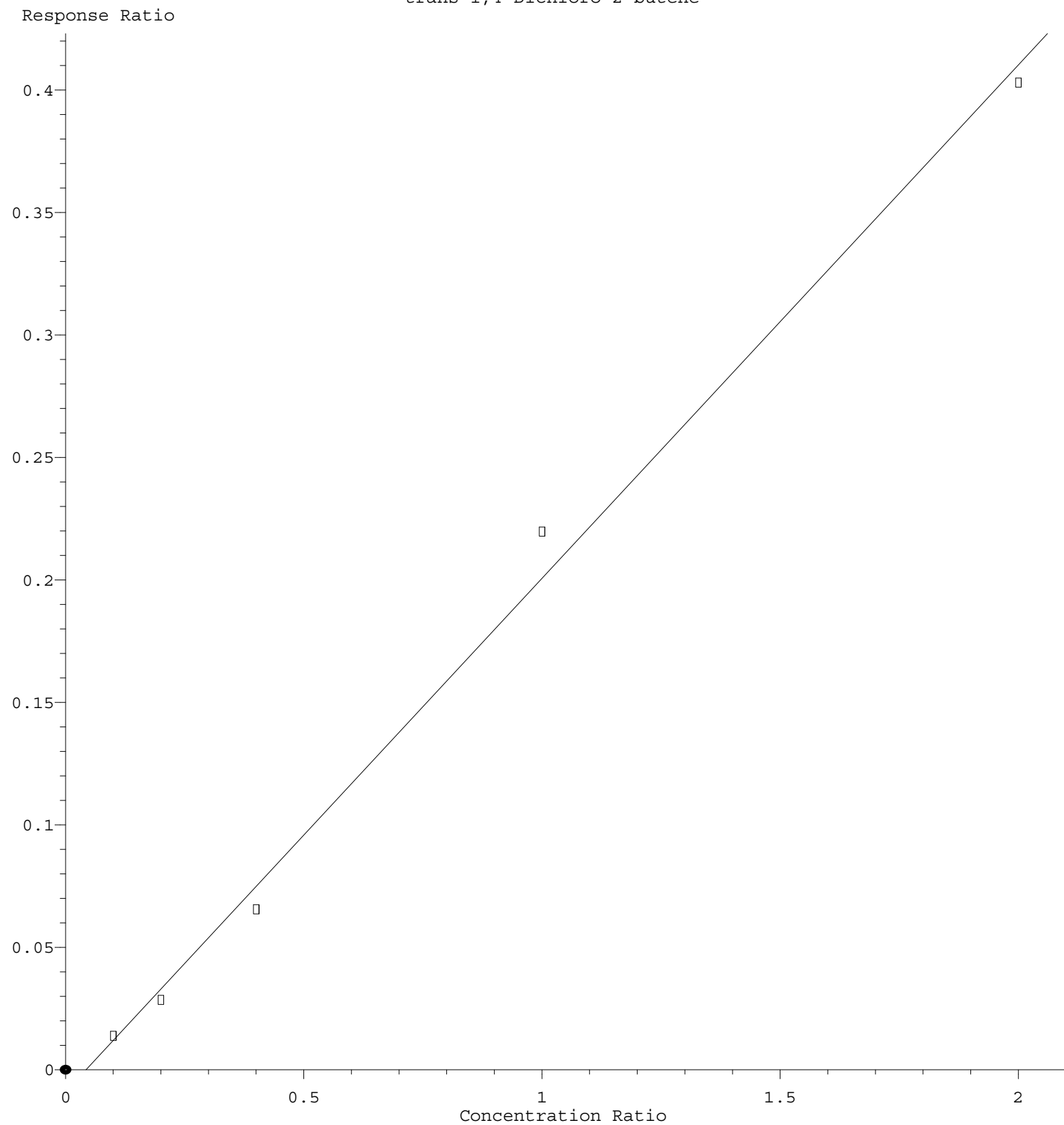
	Compound	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----						
2) T	Dichlorodifluoro...	0.539	0.556	0.501	0.415	0.484	0.499	11.02
3) P	Chloromethane	0.925	0.882	0.764	0.637	0.736	0.789	14.68
4) C	Vinyl Chloride	0.884	0.915	0.793	0.724	0.818	0.827	9.12#
5) T	Bromomethane	0.701	0.722	0.608	0.558	0.519	0.622	14.20
6) T	Chloroethane	0.643	0.704	0.667	0.551	0.711	0.655	9.88
7) T	Trichlorofluorom...	1.234	1.296	1.239	1.081	1.288	1.228	7.06
8) T	Diethyl Ether	0.491	0.508	0.467	0.441	0.451	0.472	5.91
9) T	1,1,2-Trichlorot...	0.730	0.756	0.714	0.645	0.746	0.718	6.07
10) T	Methyl Iodide	0.538	0.600	0.581	0.621	0.821	0.632	17.36
11) T	Tert butyl alcohol	0.082	0.076	0.064	0.068	0.059	0.070	13.31
12) CM	1,1-Dichloroethene	0.770	0.755	0.730	0.666	0.760	0.736	5.69#
13) T	Acrolein	0.035	0.028	0.028	0.008	0.007	0.021	61.33
14) T	Allyl chloride	1.498	1.539	1.383	1.286	1.422	1.425	6.97
15) T	Acrylonitrile	0.211	0.223	0.179	0.209	0.173	0.199	11.00
16) T	Acetone	0.651	0.503	0.420	0.279	0.248	0.420	39.37
17) T	Carbon Disulfide	2.314	2.282	2.102	1.915	2.150	2.153	7.42
18) T	Methyl Acetate	0.492	0.529	0.472	0.671	0.596	0.552	14.79
19) T	Methyl tert-buty...	2.001	2.233	1.675	1.935	1.747	1.918	11.50
20) T	Methylene Chloride	1.298	1.046	0.876	0.796	0.861	0.975	20.76
21) T	trans-1,2-Dichlo...	0.772	0.815	0.615	0.664	0.660	0.705	11.97
22) T	Diisopropyl ether	2.523	2.544	2.341	2.321	2.477	2.441	4.25
23) T	Vinyl Acetate	1.029	1.118	1.049	1.038	1.073	1.061	3.35
24) P	1,1-Dichloroethane	1.314	1.343	1.206	1.180	1.312	1.271	5.72
25) T	2-Butanone	0.319	0.342	0.293	0.242	0.223	0.284	17.67
26) T	2,2-Dichloropropane	0.932	0.927	0.874	0.866	1.044	0.929	7.66
27) T	cis-1,2-Dichloro...	0.767	0.767	0.698	0.687	0.763	0.737	5.47
28) T	Bromochloromethane	0.594	0.606	0.501	0.561	0.561	0.565	7.23
29) T	Tetrahydrofuran	0.141	0.155	0.131	0.147	0.132	0.141	7.13
30) C	Chloroform	1.155	1.248	1.081	1.061	1.171	1.143	6.56#
31) T	Cyclohexane	1.488	1.401	1.202	1.120	1.244	1.291	11.64
32) T	1,1,1-Trichloroe...	0.930	0.954	0.871	0.858	0.981	0.919	5.78
33) S	1,2-Dichloroetha...	0.675	0.690	0.598	0.632	0.625	0.644	5.82
34) I	1,4-Difluorobenzene	-----ISTD-----						
35) S	Dibromofluoromet...	0.282	0.307	0.285	0.291	0.308	0.294	4.13
36) T	1,1-Dichloropropene	0.539	0.548	0.493	0.472	0.536	0.518	6.36
37) T	Ethyl Acetate	0.264	0.276	0.276	0.266	0.245	0.265	4.81
38) T	Carbon Tetrachlo...	0.348	0.375	0.367	0.365	0.435	0.378	8.84
39) T	Methylcyclohexane	0.690	0.735	0.667	0.645	0.725	0.692	5.48
40) TM	Benzene	1.670	1.693	1.558	1.501	1.670	1.619	5.20
41) T	Methacrylonitrile	0.135	0.159	0.132	0.151	0.151	0.145	7.97
42) TM	1,2-Dichloroethane	0.413	0.432	0.403	0.408	0.417	0.415	2.67
43) T	Isopropyl Acetate	0.465	0.534	0.473	0.518	0.491	0.496	5.88
44) TM	Trichloroethene	0.358	0.349	0.328	0.314	0.353	0.340	5.48
45) C	1,2-Dichloropropane	0.380	0.393	0.364	0.359	0.388	0.377	4.01#
46) T	Dibromomethane	0.161	0.178	0.173	0.169	0.175	0.171	3.85
47) T	Bromodichloromet...	0.445	0.472	0.448	0.451	0.493	0.462	4.38
48) T	Methyl methacrylate	0.224	0.247	0.221	0.251	0.241	0.237	5.72
49) T	1,4-Dioxane	0.004	0.003	0.003	0.003	0.003	0.003	16.58
50) S	Toluene-d8	1.287	1.377	1.251	1.263	1.289	1.293	3.82
51) T	4-Methyl-2-Penta...	0.242	0.265	0.236	0.249	0.232	0.245	5.26
52) CM	Toluene	1.014	1.015	0.947	0.924	0.960	0.972	4.21#
53) T	t-1,3-Dichloropr...	0.380	0.431	0.406	0.440	0.438	0.419	6.16
54) T	cis-1,3-Dichloro...	0.503	0.534	0.510	0.530	0.572	0.530	5.08
55) T	1,1,2-Trichloroe...	0.243	0.259	0.242	0.246	0.237	0.245	3.42
56) T	Ethyl methacrylate	0.287	0.346	0.321	0.361	0.338	0.331	8.57

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57)	T	1,3-Dichloropropane	0.449	0.485	0.439	0.445	0.450	0.454	4.00
58)	T	2-Chloroethyl Vi...	0.441	0.464	0.507	0.644	0.623	0.536	17.30
59)	T	2-Hexanone	0.205	0.231	0.208	0.177	0.161	0.197	14.16
60)	T	Dibromochloromet...	0.242	0.269	0.249	0.266	0.263	0.258	4.43
61)	T	1,2-Dibromoethane	0.192	0.224	0.203	0.218	0.195	0.207	6.88
62)	S	4-Bromofluoroben...	0.628	0.516	0.431	0.415	0.356	0.469	22.51
-----ISTD-----									
63)	I	Chlorobenzene-d5							
64)	T	Tetrachloroethene	0.370	0.378	0.348	0.336	0.440	0.375	10.74
65)	PM	Chlorobenzene	1.213	1.195	1.108	1.054	1.152	1.144	5.67
66)	T	1,1,1,2-Tetrachl...	0.302	0.321	0.304	0.318	0.393	0.328	11.49
67)	C	Ethyl Benzene	2.179	2.247	2.044	1.981	2.563	2.203	10.33#
68)	T	m/p-Xylenes	0.867	0.858	0.790	0.757	0.964	0.847	9.45
69)	T	o-Xylene	0.806	0.822	0.756	0.731	0.895	0.802	7.97
70)	T	Styrene	1.329	1.362	1.280	1.239	1.493	1.340	7.24
71)	P	Bromoform	0.143	0.152	0.144	0.164	0.169	0.154	7.51
-----ISTD-----									
72)	I	1,4-Dichlorobenzen...							
73)	T	Isopropylbenzene	4.470	4.135	4.658	4.566	4.225	4.411	5.05
74)	T	N-amyl acetate	0.671	0.744	0.839	0.968	0.843	0.813	13.85
75)	P	1,1,2,2-Tetrachl...	0.614	0.669	0.715	0.779	0.632	0.682	9.79
76)	T	1,2,3-Trichlorop...	0.563	0.532	0.482	0.531	0.505	0.523	5.86
77)	T	Bromobenzene	0.938	0.904	0.933	0.956	0.817	0.910	6.02
78)	T	n-propylbenzene	5.437	5.012	4.876	5.529	5.135	5.198	5.34
79)	T	2-Chlorotoluene	3.053	2.899	2.676	3.070	2.917	2.923	5.40
80)	T	1,3,5-Trimethylb...	3.560	3.449	3.211	3.408	3.411	3.408	3.70
81)	T	trans-1,4-Dichlo...	0.138	0.143	0.164	0.220	0.202	0.173	20.84
82)	T	4-Chlorotoluene	3.224	3.033	2.813	3.226	3.008	3.061	5.63
83)	T	tert-Butylbenzene	3.395	3.103	2.986	2.755	3.061	3.060	7.53
84)	T	1,2,4-Trimethylb...	3.553	3.425	3.347	3.420	3.515	3.452	2.37
85)	T	sec-Butylbenzene	5.002	4.746	4.503	4.175	4.595	4.604	6.63
86)	T	p-Isopropyltoluene	3.974	3.801	3.708	3.713	4.215	3.882	5.53
87)	T	1,3-Dichlorobenzene	2.021	1.923	1.759	1.767	1.970	1.888	6.30
88)	T	1,4-Dichlorobenzene	2.011	1.863	1.733	1.608	1.756	1.794	8.43
89)	T	n-Butylbenzene	3.758	3.688	3.657	3.350	3.848	3.660	5.15
90)	T	Hexachloroethane	0.449	0.451	0.468	0.465	0.566	0.480	10.23
91)	T	1,2-Dichlorobenzene	1.739	1.708	1.619	1.450	1.563	1.616	7.19
92)	T	1,2-Dibromo-3-Ch...	0.072	0.091	0.086	0.093	0.091	0.087	10.07
93)	T	1,2,4-Trichlorob...	1.116	1.143	1.091	0.929	1.027	1.061	8.04
94)	T	Hexachlorobutadiene	0.582	0.585	0.567	0.461	0.524	0.543	9.62
95)	T	Naphthalene	2.089	1.998	1.904	1.690	1.817	1.900	8.16
96)	T	1,2,3-Trichlorob...	0.969	0.971	0.953	0.792	0.852	0.907	8.94

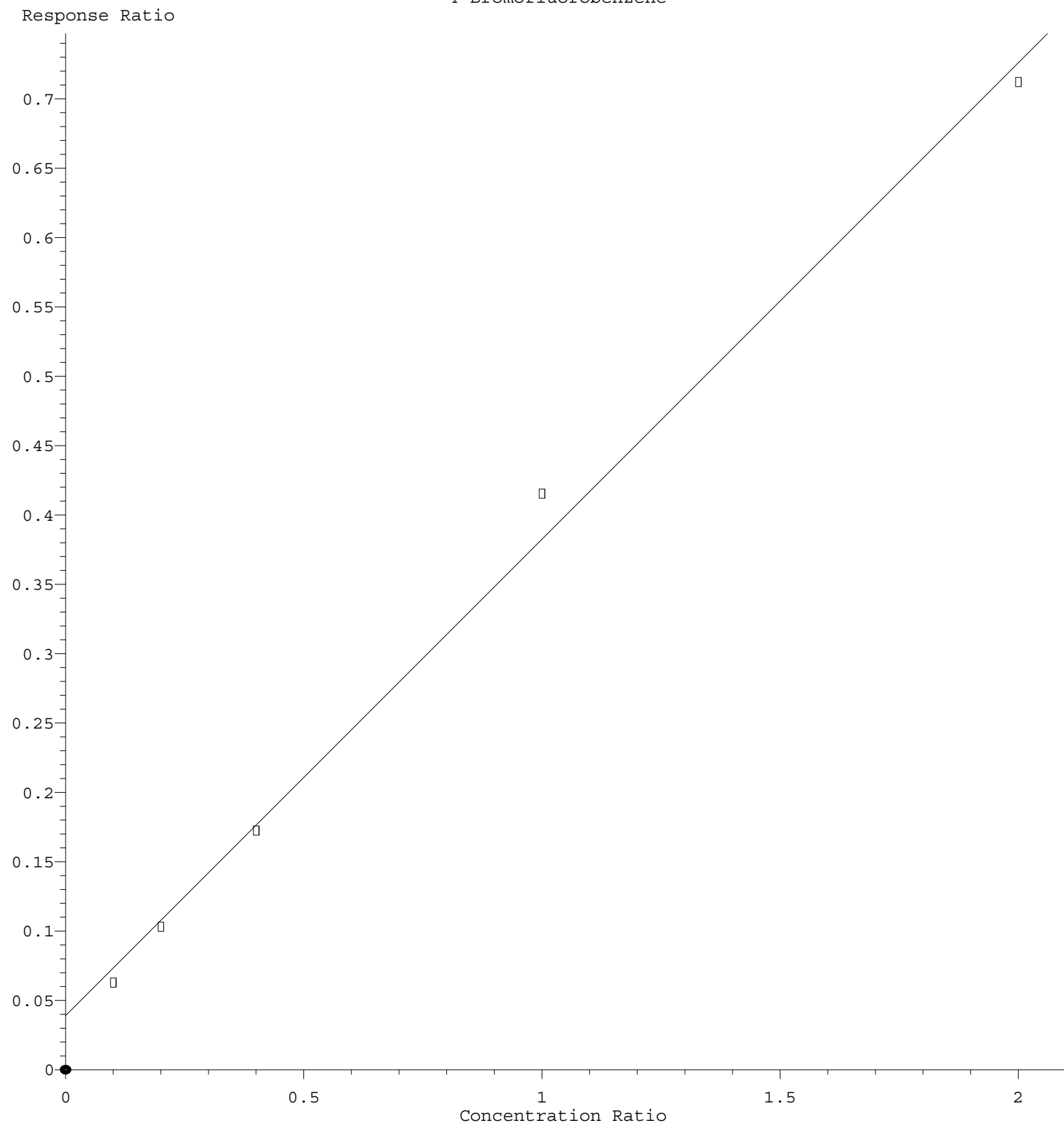
(#) = Out of Range

trans-1,4-Dichloro-2-butene



Response = $2.097 \times 10^{-1} \times \text{Amt} - 9.071 \times 10^{-3}$
Coef of Det (r^2) = 0.995179 Curve Fit: Linear
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4-Bromofluorobenzene



$$\text{Response} = 3.441\text{e-}001 * \text{Amt} + 3.850\text{e-}002$$

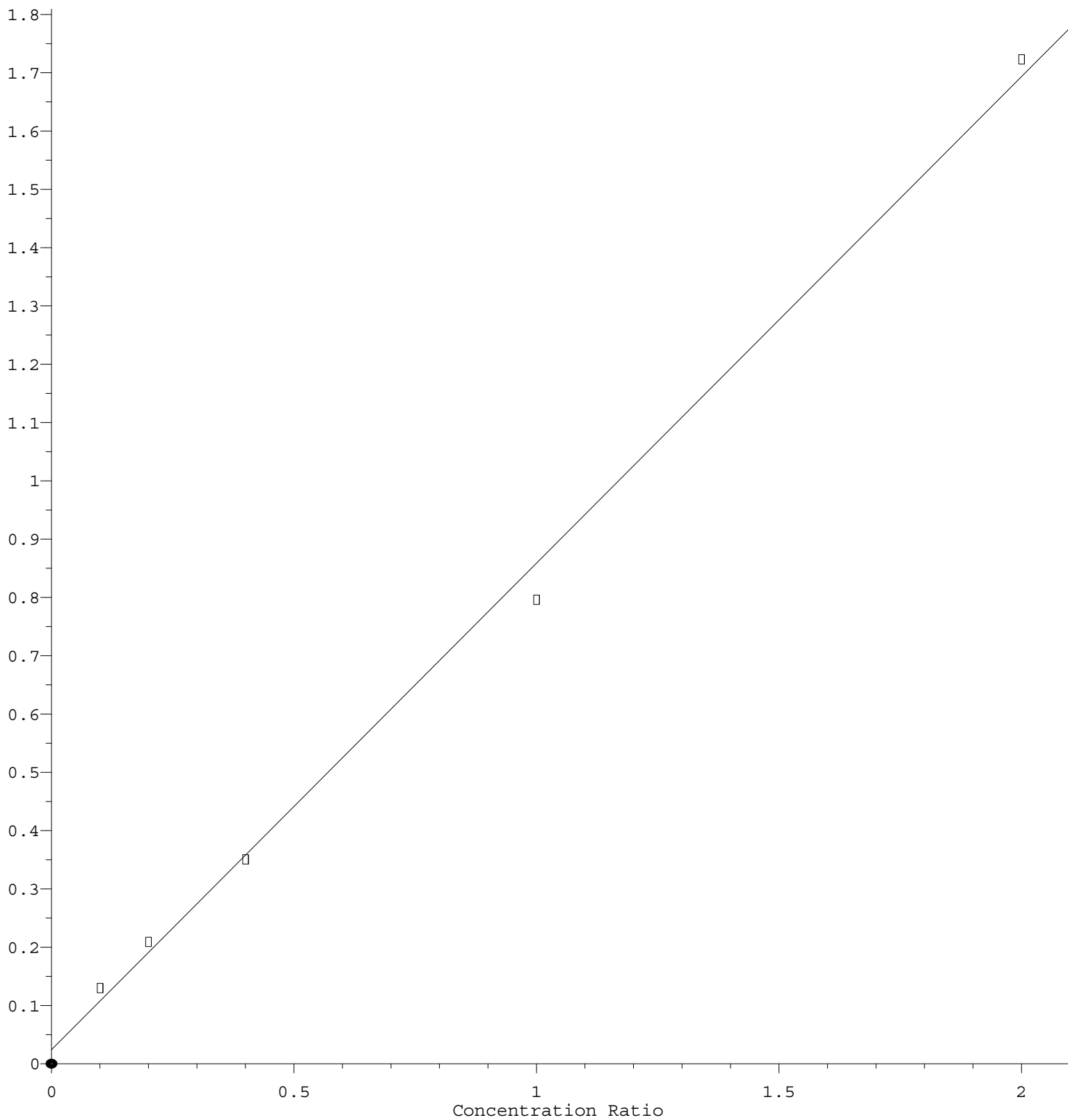
Coef of Det (r^2) = 0.995177 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 8.344\text{e-}001 * \text{Amt} + 2.420\text{e-}002$$

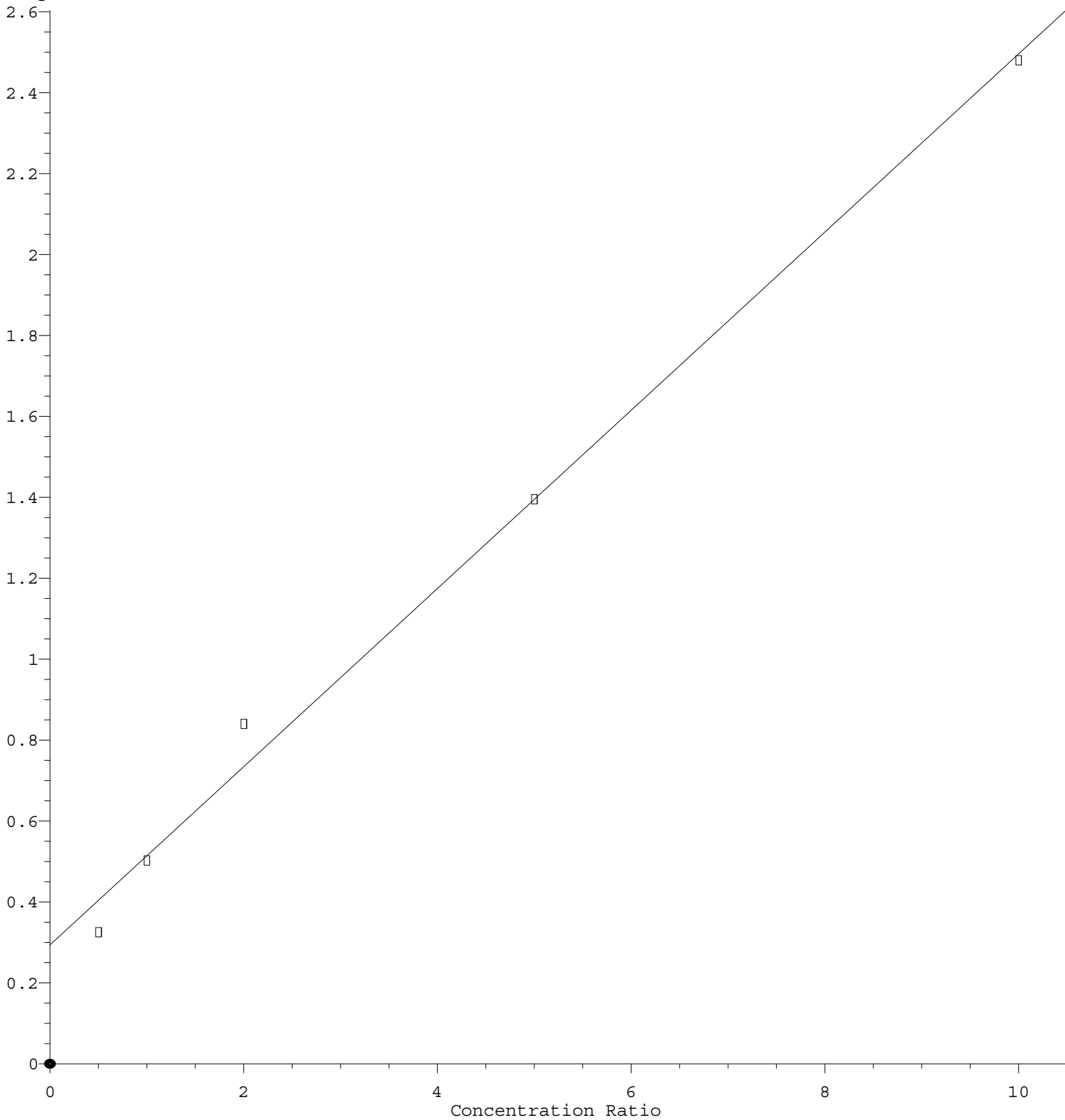
Coef of Det (r^2) = 0.996705 Curve Fit: Linear

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Acetone

Response Ratio



$$\text{Response} = 2.203\text{e-}001 * \text{Amt} + 2.937\text{e-}001$$

Coef of Det (r^2) = 0.994110 Curve Fit: Linear

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