

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D020325S.M
 Title : SW846 8260
 Last Update : Tue Feb 04 05:44:14 2025
 Response Via : Initial Calibration

Calibration Files

5 =VD080219.D 10 =VD080220.D 20 =VD080221.D 50 =VD080222.D 100 =VD080223.D 150 =VD080224.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.759	0.718	0.656	0.479	0.437	0.497	0.591	23.19
3) P	Chloromethane	1.147	1.142	1.148	0.989	0.860	0.963	1.042	11.71
4) C	Vinyl Chloride	1.371	1.377	1.336	1.196	1.060	1.220	1.260	9.87#
5) T	Bromomethane	1.251	1.141	1.021	0.836	0.725	0.855	0.972	20.67
6) T	Chloroethane	0.955	0.909	0.853	0.808	0.706	0.805	0.839	10.40
7) T	Trichlorofluor...	1.228	1.125	1.086	0.980	0.852	0.995	1.044	12.52
8) T	Diethyl Ether	0.255	0.267	0.288	0.297	0.281	0.325	0.286	8.57
9) T	1,1,2-Trichlor...	0.705	0.658	0.613	0.547	0.538	0.565	0.604	11.02
10) T	Methyl Iodide	0.140	0.247	0.400	0.540	0.591	0.673	0.432	48.15
11) T	Tert butyl alc...	0.037	0.037	0.037	0.036	0.032	0.037	0.036	5.22
12) CM	1,1-Dichloroet...	0.608	0.563	0.593	0.537	0.545	0.588	0.573	4.95#
13) T	Acrolein	0.060	0.065	0.072	0.067	0.067	0.076	0.068	8.23
14) T	Allyl chloride	0.777	0.880	0.858	0.892	0.889	0.999	0.882	8.10
15) T	Acrylonitrile	0.117	0.128	0.136	0.150	0.143	0.151	0.137	9.61
16) T	Acetone	0.122	0.109	0.106	0.094	0.097	0.101	0.105	9.46
17) T	Carbon Disulfide	2.292	2.207	2.211	1.930	1.763	1.987	2.065	9.88
18) T	Methyl Acetate	0.318	0.367	0.348	0.353	0.348	0.389	0.354	6.66
19) T	Methyl tert-bu...	0.990	1.096	1.231	1.373	1.322	1.552	1.261	15.95
20) T	Methylene Chlo...	0.795	0.755	0.746	0.678	0.613	0.681	0.711	9.28
21) T	trans-1,2-Dich...	0.624	0.634	0.635	0.689	0.620	0.700	0.650	5.36
22) T	Diisopropyl ether	1.416	1.695	1.922	2.074	1.832	2.080	1.836	13.78
23) T	Vinyl Acetate	0.802	0.926	1.067	1.205	1.102	1.260	1.060	16.20
24) P	1,1-Dichloroet...	1.206	1.226	1.224	1.246	1.100	1.219	1.204	4.34
25) T	2-Butanone	0.135	0.143	0.160	0.166	0.175	0.197	0.163	13.73
26) T	2,2-Dichloropr...	1.137	1.050	0.998	1.004	0.979	1.097	1.044	5.96
27) T	cis-1,2-Dichlo...	0.684	0.699	0.704	0.730	0.749	0.844	0.735	7.91
28) T	Bromochloromet...	0.580	0.541	0.574	0.562	0.505	0.535	0.549	5.08
29) T	Tetrahydrofuran	0.085	0.094	0.106	0.111	0.118	0.125	0.106	14.16
30) C	Chloroform	1.249	1.271	1.257	1.180	1.204	1.223	1.231	2.82#
31) T	Cyclohexane	1.007	0.985	0.941	0.897	0.973	0.979	0.964	4.05
32) T	1,1,1-Trichlor...	1.087	1.072	1.034	0.968	1.003	1.014	1.030	4.30
33) S	1,2-Dichloroet...	0.684	0.597	0.683	0.630	0.627	0.681	0.650	5.75
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.367	0.343	0.389	0.347	0.362	0.319	0.354	6.72
36) T	1,1-Dichloropr...	0.487	0.513	0.525	0.510	0.542	0.468	0.508	5.24
37) T	Ethyl Acetate	0.215	0.242	0.265	0.252	0.262	0.258	0.249	7.39
38) T	Carbon Tetrach...	0.544	0.559	0.550	0.529	0.533	0.466	0.530	6.31
39) T	Methylcyclohexane	0.507	0.530	0.528	0.543	0.628	0.573	0.551	7.85
40) TM	Benzene	1.506	1.538	1.568	1.649	1.642	1.644	1.591	3.91
41) T	Methacrylonitrile	0.102	0.133	0.154	0.137	0.155	0.140	0.137	14.00
42) TM	1,2-Dichloroet...	0.451	0.471	0.446	0.454	0.451	0.443	0.453	2.12
43) T	Isopropyl Acetate	0.367	0.409	0.440	0.443	0.494	0.498	0.442	11.40
44) TM	Trichloroethene	0.347	0.373	0.381	0.362	0.390	0.352	0.368	4.58
45) C	1,2-Dichloropr...	0.401	0.405	0.414	0.405	0.418	0.359	0.400	5.30#
46) T	Dibromomethane	0.225	0.233	0.228	0.232	0.227	0.193	0.223	6.76
47) T	Bromodichlorom...	0.577	0.588	0.574	0.566	0.574	0.494	0.562	6.09
48) T	Methyl methacr...	0.186	0.167	0.209	0.217	0.240	0.209	0.204	12.38
49) T	1,4-Dioxane	0.002	0.003	0.002	0.003	0.003	0.002	0.002	16.05
50) S	Toluene-d8	1.239	1.258	1.386	1.392	1.407	1.203	1.314	6.89
51) T	4-Methyl-2-Pen...	0.176	0.207	0.234	0.243	0.259	0.221	0.223	13.24
52) CM	Toluene	0.835	0.924	0.962	0.946	1.019	0.898	0.931	6.65#
53) T	t-1,3-Dichloro...	0.410	0.470	0.510	0.470	0.538	0.477	0.479	9.03
54) T	cis-1,3-Dichlo...	0.485	0.583	0.605	0.636	0.634	0.555	0.583	9.80
55) T	1,1,2-Trichlor...	0.312	0.298	0.296	0.274	0.289	0.270	0.290	5.44
56) T	Ethyl methacry...	0.250	0.300	0.318	0.338	0.417	0.360	0.331	17.07

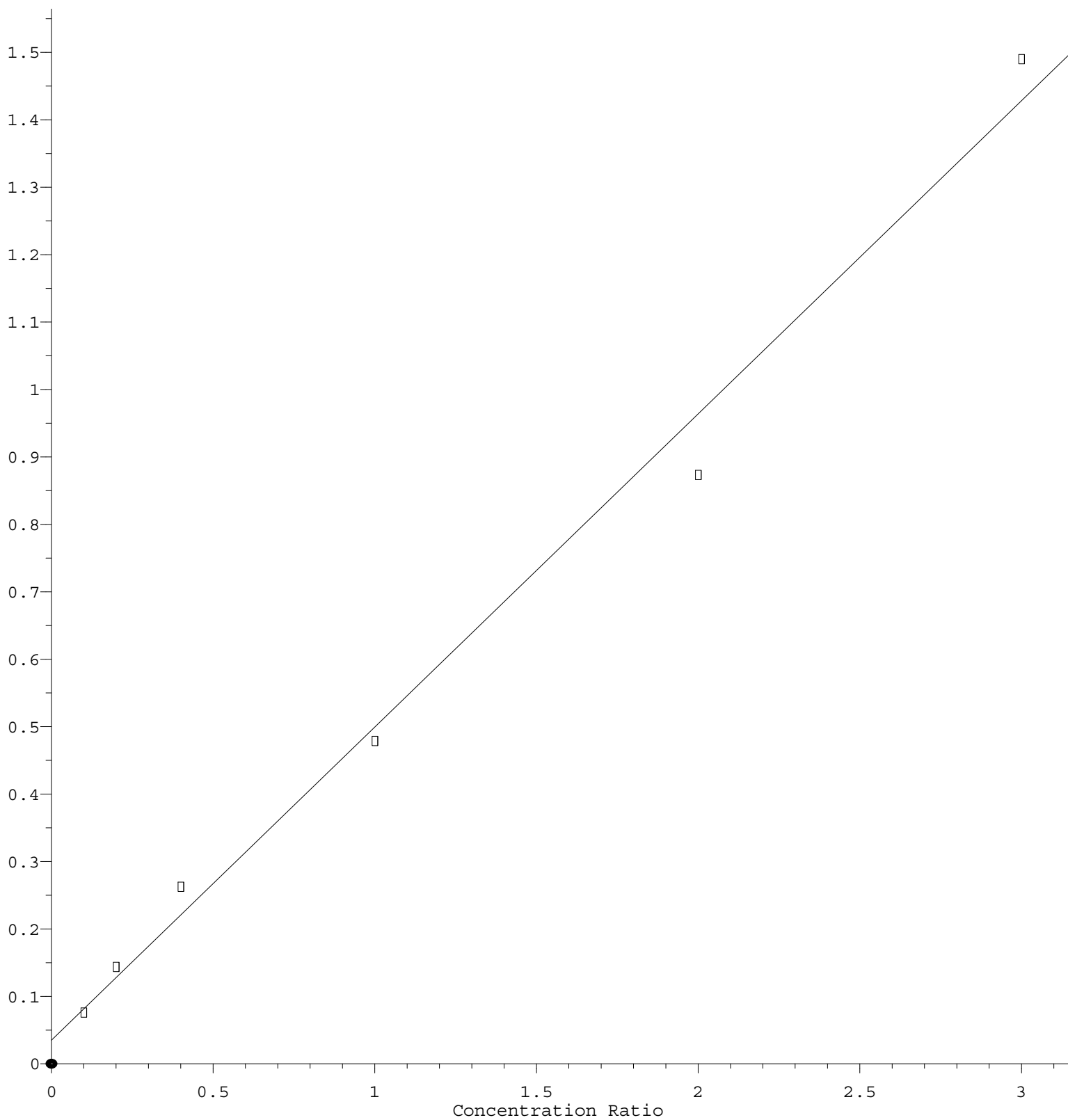
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57)	T	1,3-Dichloropr...	0.461	0.464	0.497	0.463	0.510	0.479	0.479	4.27
58)	T	2-Chloroethyl ...	0.106	0.125	0.134	0.167	0.169	0.146	0.141	17.57
59)	T	2-Hexanone	0.108	0.131	0.151	0.147	0.178	0.165	0.147	17.01
60)	T	Dibromochlorom...	0.343	0.363	0.374	0.349	0.366	0.348	0.357	3.37
61)	T	1,2-Dibromoethane	0.259	0.270	0.269	0.254	0.267	0.264	0.264	2.42
62)	S	4-Bromofluorob...	0.422	0.403	0.428	0.440	0.408	0.429	0.422	3.24
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.368	0.358	0.358	0.290	0.376	0.345	0.349	8.80
65)	PM	Chlorobenzene	1.134	1.156	1.167	1.101	1.167	1.151	1.146	2.21
66)	T	1,1,1,2-Tetrac...	0.408	0.405	0.406	0.377	0.390	0.420	0.401	3.76
67)	C	Ethyl Benzene	1.682	1.725	1.855	1.865	2.060	2.253	1.907	11.28#
68)	T	m/p-Xylenes	0.639	0.657	0.745	0.685	0.782	0.932	0.740	14.65
69)	T	o-Xylene	0.550	0.617	0.657	0.631	0.722	0.872	0.675	16.54
70)	T	Styrene	0.968	1.068	1.198	1.147	1.282	1.545	1.201	16.64
71)	P	Bromoform	0.246	0.221	0.231	0.234	0.223	0.264	0.236	6.76
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.915	2.868	3.333	3.322	3.612	4.242	3.382	14.97
74)	T	N-amyl acetate	0.700	0.756	0.916	0.860	0.953	1.148	0.889	17.87
75)	P	1,1,2,2-Tetrac...	0.688	0.656	0.730	0.674	0.742	0.732	0.704	5.06
76)	T	1,2,3-Trichlor...	0.554	0.540	0.495	0.452	0.480	0.513	0.506	7.52
77)	T	Bromobenzene	0.778	0.808	0.892	0.828	0.972	0.956	0.872	9.21
78)	T	n-propylbenzene	3.721	3.660	4.293	4.387	4.900	4.874	4.306	12.47
79)	T	2-Chlorotoluene	2.173	2.215	2.457	2.417	2.746	2.669	2.446	9.48
80)	T	1,3,5-Trimethy...	2.404	2.462	2.882	2.803	3.226	3.195	2.828	12.35
81)	T	trans-1,4-Dich...	0.221	0.213	0.252	0.244	0.263	0.292	0.247	11.65
82)	T	4-Chlorotoluene	2.283	2.400	2.751	2.528	2.847	2.788	2.600	8.84
83)	T	tert-Butylbenzene	2.176	1.938	2.191	2.186	2.648	2.733	2.312	13.39
84)	T	1,2,4-Trimethy...	2.492	2.438	2.765	3.089	3.195	3.294	2.879	12.75
85)	T	sec-Butylbenzene	3.186	3.222	3.435	3.421	3.931	4.017	3.535	10.06
86)	T	p-Isopropyltol...	2.707	2.633	2.858	2.909	3.438	3.568	3.019	12.92
87)	T	1,3-Dichlorobe...	1.689	1.625	1.694	1.615	1.832	1.855	1.718	5.94
88)	T	1,4-Dichlorobe...	1.824	1.736	1.742	1.615	1.764	1.753	1.739	3.94
89)	T	n-Butylbenzene	2.955	2.524	2.756	2.762	3.245	3.360	2.934	10.87
90)	T	Hexachloroethane	0.704	0.638	0.645	0.624	0.740	0.674	0.671	6.62
91)	T	1,2-Dichlorobe...	1.498	1.500	1.498	1.478	1.547	1.563	1.514	2.18
92)	T	1,2-Dibromo-3-...	0.120	0.106	0.105	0.118	0.113	0.110	0.112	5.29
93)	T	1,2,4-Trichlor...	0.884	0.826	0.855	0.991	1.055	1.180	0.965	14.13
94)	T	Hexachlorobuta...	0.529	0.451	0.464	0.517	0.550	0.625	0.523	12.01
95)	T	Naphthalene	1.370	1.378	1.507	1.816	1.951	2.363	1.731	22.53
96)	T	1,2,3-Trichlor...	0.762	0.754	0.789	0.910	0.915	1.096	0.871	15.07

(#) = Out of Range

Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 4.644\text{e-}001 * \text{Amt} + 3.537\text{e-}002$$

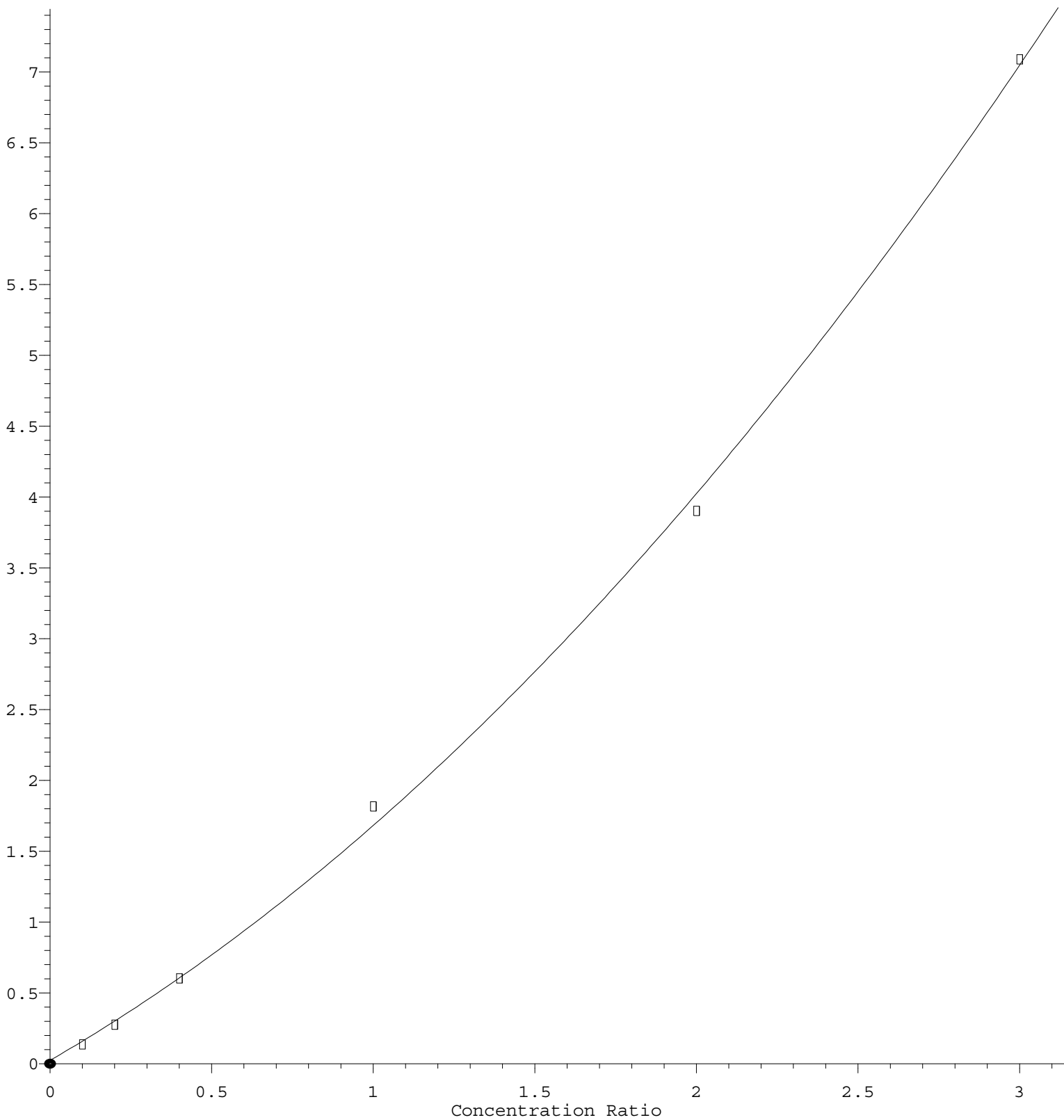
Coef of Det (r^2) = 0.990143 Curve Fit: Linear

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Naphthalene

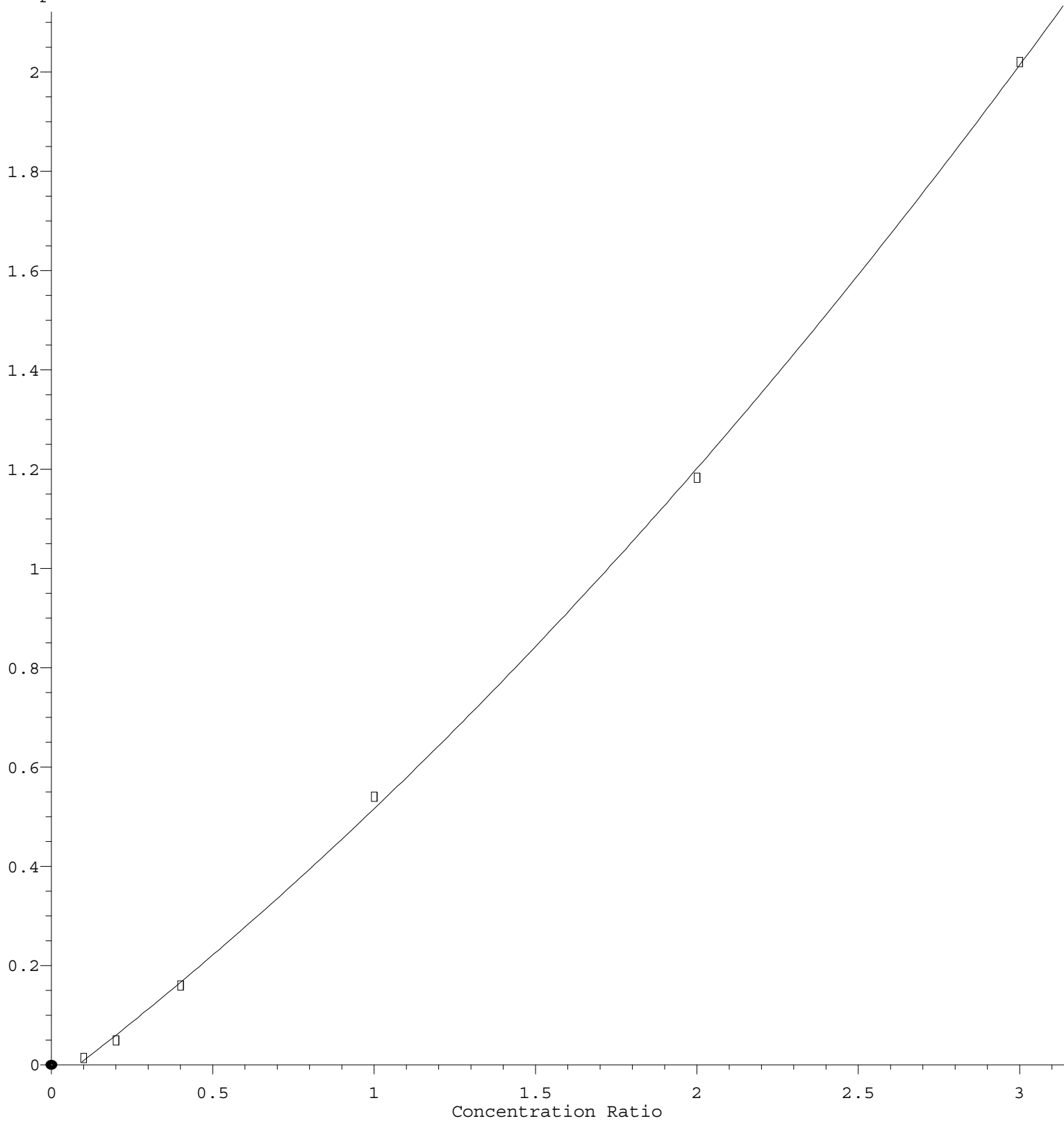
Response Ratio



$R = 3.419e-001 A^2 + 1.316e+000 A + 2.464e-002$
 Coef of Det (r^2) = 0.999052 Curve Fit: Quadratic
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Methyl Iodide

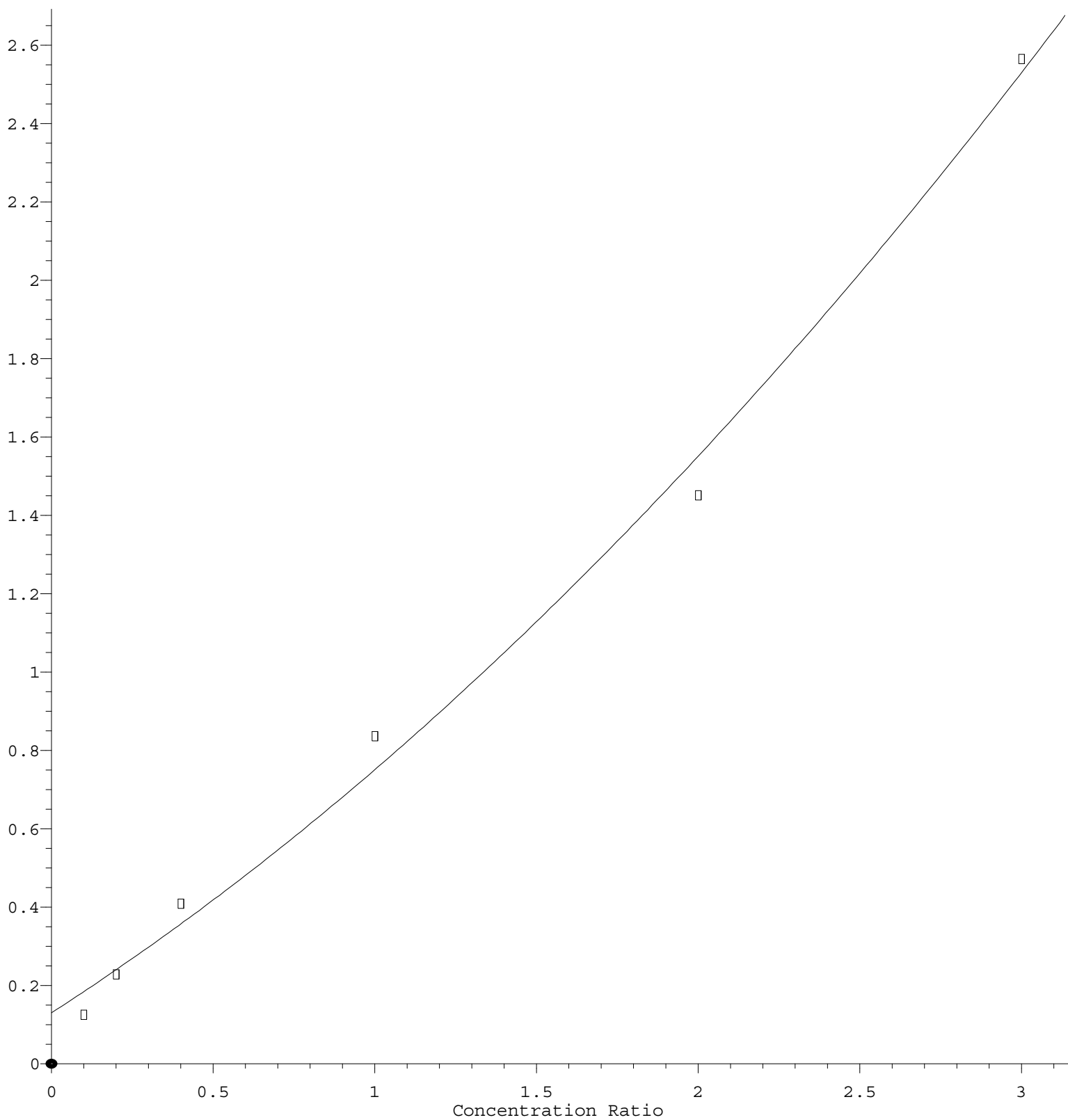
Response Ratio



$R = 6.383e-002 A^2 + 4.938e-001 A - 4.157e-002$
Coef of Det (r^2) = 0.999640 Curve Fit: Quadratic
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Bromomethane

Response Ratio



$R = 8.966e-002 A^2 + 5.311e-001 A + 1.301e-001$
 Coef of Det (r^2) = 0.994333 Curve Fit: Quadratic
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