

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D103023S.M
 Title : SW846 8260
 Last Update : Tue Oct 31 04:19:17 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD077437.D 10 =VD077438.D 20 =VD077439.D 50 =VD077440.D 100 =VD077441.D 150 =VD077442.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.410	0.435	0.379	0.371	0.419	0.405	0.403	6.00
3) P	Chloromethane	0.581	0.620	0.558	0.699	0.715	0.667	0.640	10.02
4) C	Vinyl Chloride	0.525	0.588	0.554	0.670	0.723	0.685	0.624	12.75#
5) T	Bromomethane	0.286	0.325	0.273	0.357	0.378	0.344	0.327	12.57
6) T	Chloroethane	0.398	0.416	0.354	0.449	0.472	0.432	0.420	9.76
7) T	Trichlorofluor...	0.780	0.882	0.809	0.877	0.962	0.935	0.874	8.03
8) T	Diethyl Ether	0.291	0.332	0.278	0.328	0.341	0.315	0.314	7.97
9) T	1,1,2-Trichlor...	0.492	0.523	0.502	0.522	0.573	0.554	0.528	5.79
10) T	Methyl Iodide	0.401	0.511	0.474	0.665	0.729	0.681	0.577	22.91
11) T	Tert butyl alc...	0.071	0.059	0.052	0.051	0.054	0.050	0.056	13.94
12) CM	1,1-Dichloroet...	0.461	0.488	0.444	0.516	0.559	0.530	0.500	8.67#
13) T	Acrolein	0.074	0.079	0.075	0.072	0.075	0.069	0.074	4.77
14) T	Allyl chloride	1.009	1.212	1.075	1.295	1.367	1.272	1.205	11.40
15) T	Acrylonitrile	0.167	0.177	0.156	0.175	0.178	0.167	0.170	5.03
16) T	Acetone	0.198	0.190	0.169	0.192	0.195	0.178	0.187	6.08
17) T	Carbon Disulfide	0.950	1.054	0.940	1.591	1.687	1.589	1.302	27.28
18) T	Methyl Acetate	0.687	0.659	0.572	0.723	0.753	0.700	0.682	9.19
19) T	Methyl tert-bu...	1.564	1.637	1.409	1.597	1.657	1.546	1.568	5.66
20) T	Methylene Chlo...	1.003	0.781	0.684	0.717	0.726	0.663	0.762	16.34
21) T	trans-1,2-Dich...	0.551	0.559	0.503	0.619	0.651	0.607	0.582	9.27
22) T	Diisopropyl ether	2.448	2.578	2.343	2.645	2.773	2.581	2.561	5.87
23) T	Vinyl Acetate	1.109	1.097	0.989	1.140	1.188	1.107	1.105	5.94
24) P	1,1-Dichloroet...	1.270	1.345	1.223	1.366	1.427	1.343	1.329	5.47
25) T	2-Butanone	0.275	0.257	0.226	0.245	0.257	0.237	0.250	6.99
26) T	2,2-Dichloropr...	1.244	1.212	1.081	1.162	1.218	1.150	1.178	5.04
27) T	cis-1,2-Dichlo...	0.685	0.733	0.639	0.751	0.784	0.733	0.721	7.14
28) T	Bromochloromet...	0.444	0.456	0.442	0.615	0.666	0.599	0.537	18.77
29) T	Tetrahydrofuran	0.154	0.146	0.130	0.152	0.159	0.147	0.148	6.68
30) C	Chloroform	1.178	1.294	1.149	1.278	1.314	1.232	1.241	5.35#
31) T	Cyclohexane	1.129	1.077	0.939	1.107	1.213	1.166	1.105	8.52
32) T	1,1,1-Trichlor...	0.948	1.064	0.938	1.031	1.106	1.047	1.022	6.51
33) S	1,2-Dichloroet...	0.715	0.737	0.653	0.714	0.730	0.693	0.707	4.29
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.347	0.358	0.330	0.341	0.348	0.350	0.346	2.71
36) T	1,1-Dichloropr...	0.457	0.512	0.465	0.530	0.558	0.551	0.512	8.40
37) T	Ethyl Acetate	0.307	0.278	0.274	0.301	0.310	0.295	0.294	5.09
38) T	Carbon Tetrach...	0.464	0.499	0.442	0.472	0.515	0.505	0.483	5.82
39) T	Methylcyclohexane	0.532	0.563	0.516	0.591	0.651	0.654	0.585	10.07
40) TM	Benzene	1.357	1.474	1.326	1.523	1.568	1.518	1.461	6.68
41) T	Methacrylonitrile	0.195	0.201	0.181	0.180	0.188	0.184	0.188	4.40
42) TM	1,2-Dichloroet...	0.455	0.485	0.423	0.471	0.476	0.467	0.463	4.76
43) T	Isopropyl Acetate	0.615	0.608	0.556	0.624	0.631	0.606	0.607	4.37
44) TM	Trichloroethene	0.336	0.364	0.326	0.365	0.381	0.375	0.358	6.17
45) C	1,2-Dichloropr...	0.403	0.446	0.399	0.440	0.454	0.439	0.430	5.39#
46) T	Dibromomethane	0.210	0.218	0.190	0.207	0.212	0.206	0.207	4.59
47) T	Bromodichlorom...	0.533	0.568	0.514	0.554	0.565	0.550	0.547	3.76
48) T	Methyl methacr...	0.289	0.292	0.249	0.304	0.306	0.298	0.290	7.20
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	4.31
50) S	Toluene-d8	1.316	1.403	1.297	1.322	1.350	1.367	1.342	2.88
51) T	4-Methyl-2-Pen...	0.315	0.309	0.272	0.294	0.309	0.293	0.299	5.20
52) CM	Toluene	0.829	0.925	0.814	0.917	0.941	0.918	0.891	6.12#
53) T	t-1,3-Dichloro...	0.561	0.600	0.538	0.591	0.605	0.581	0.579	4.38
54) T	cis-1,3-Dichlo...	0.634	0.682	0.621	0.686	0.700	0.677	0.667	4.75
55) T	1,1,2-Trichlor...	0.289	0.282	0.258	0.272	0.283	0.272	0.276	4.01
56) T	Ethyl methacry...	0.425	0.411	0.378	0.414	0.428	0.408	0.411	4.36

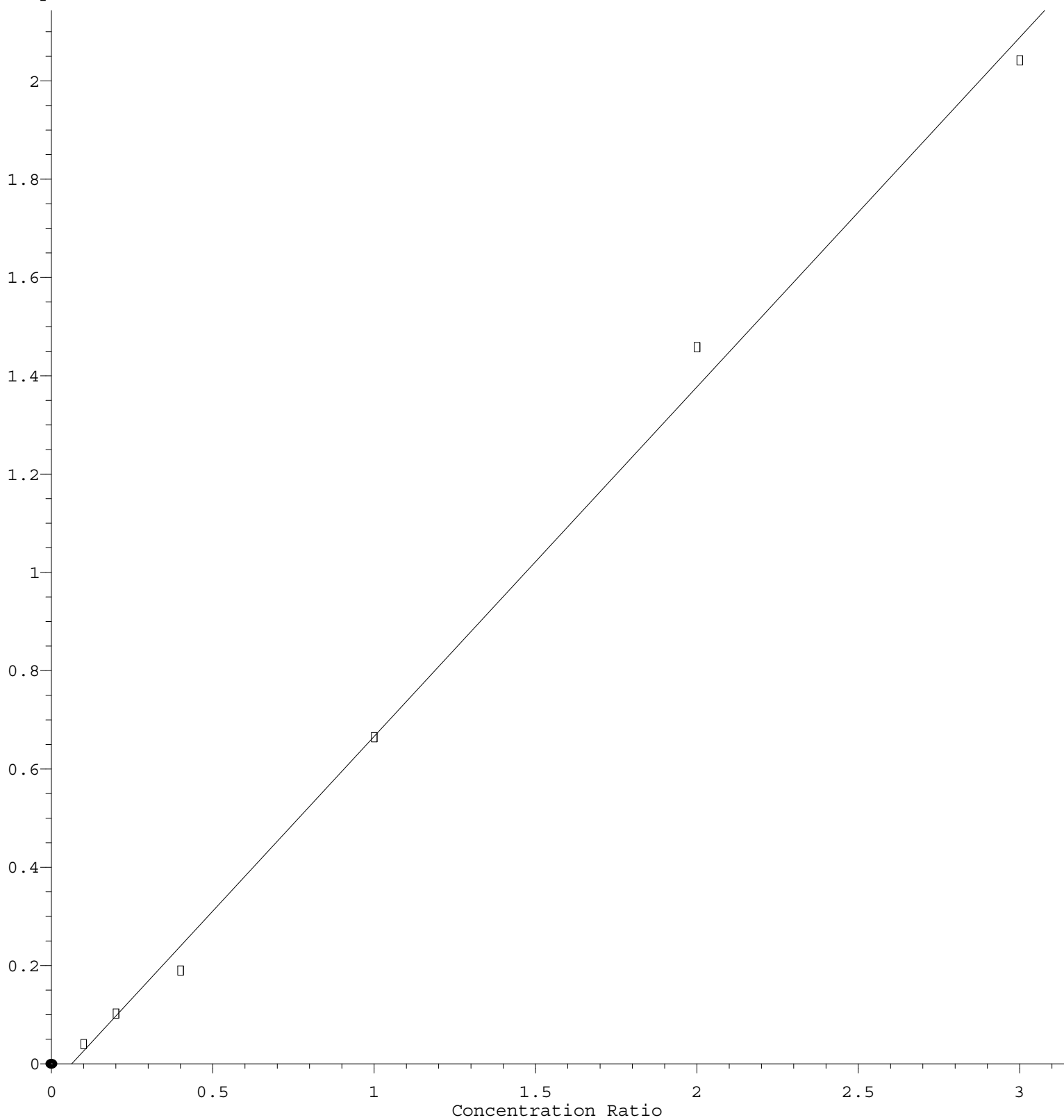
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57)	T	1,3-Dichloropr...	0.502	0.542	0.477	0.527	0.534	0.516	0.516	4.58
58)	T	2-Chloroethyl ...	0.203	0.194	0.177	0.218	0.226	0.216	0.206	8.74
59)	T	2-Hexanone	0.228	0.233	0.208	0.214	0.224	0.212	0.220	4.54
60)	T	Dibromochlorom...	0.337	0.347	0.307	0.332	0.341	0.328	0.332	4.16
61)	T	1,2-Dibromoethane	0.265	0.270	0.237	0.265	0.270	0.262	0.262	4.80
62)	S	4-Bromofluorob...	0.471	0.464	0.431	0.440	0.453	0.453	0.452	3.28
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.297	0.327	0.295	0.319	0.337	0.334	0.318	5.76
65)	PM	Chlorobenzene	0.990	1.080	0.991	1.065	1.095	1.063	1.048	4.33
66)	T	1,1,1,2-Tetrac...	0.395	0.398	0.376	0.401	0.406	0.399	0.396	2.65
67)	C	Ethyl Benzene	1.880	2.066	1.901	2.047	2.134	2.065	2.015	5.03#
68)	T	m/p-Xylenes	0.678	0.748	0.686	0.740	0.771	0.745	0.728	5.13
69)	T	o-Xylene	0.636	0.717	0.668	0.715	0.735	0.711	0.697	5.34
70)	T	Styrene	1.150	1.244	1.139	1.222	1.254	1.208	1.203	4.00
71)	P	Bromoform	0.230	0.232	0.206	0.217	0.221	0.212	0.219	4.58
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.800	4.327	3.891	4.069	4.262	4.110	4.077	5.02
74)	T	N-amyl acetate	1.461	1.502	1.350	1.417	1.495	1.438	1.444	3.90
75)	P	1,1,2,2-Tetrac...	0.789	0.853	0.751	0.811	0.815	0.776	0.799	4.43
76)	T	1,2,3-Trichlor...	0.636	0.633	0.577	0.599	0.615	0.592	0.609	3.86
77)	T	Bromobenzene	0.880	0.916	0.855	0.909	0.928	0.897	0.897	2.95
78)	T	n-propylbenzene	4.864	5.469	4.916	5.179	5.423	5.207	5.176	4.83
79)	T	2-Chlorotoluene	2.764	3.126	2.777	2.945	3.035	2.939	2.931	4.84
80)	T	1,3,5-Trimethy...	3.304	3.616	3.264	3.406	3.533	3.400	3.421	3.92
81)	T	trans-1,4-Dich...	0.325	0.347	0.286	0.311	0.320	0.302	0.315	6.58
82)	T	4-Chlorotoluene	2.881	3.283	2.869	3.065	3.171	3.048	3.053	5.29
83)	T	tert-Butylbenzene	2.664	3.076	2.743	2.880	3.001	2.891	2.876	5.36
84)	T	1,2,4-Trimethy...	3.272	3.634	3.208	3.384	3.504	3.385	3.398	4.55
85)	T	sec-Butylbenzene	4.170	4.710	4.199	4.302	4.588	4.432	4.400	4.93
86)	T	p-Isopropyltol...	3.358	3.806	3.386	3.552	3.735	3.621	3.577	5.07
87)	T	1,3-Dichlorobe...	1.685	1.851	1.710	1.775	1.817	1.744	1.764	3.58
88)	T	1,4-Dichlorobe...	1.731	1.892	1.698	1.753	1.778	1.721	1.762	3.94
89)	T	n-Butylbenzene	3.485	3.937	3.575	3.666	3.890	3.751	3.717	4.75
90)	T	Hexachloroethane	0.697	0.763	0.703	0.727	0.761	0.741	0.732	3.84
91)	T	1,2-Dichlorobe...	1.511	1.667	1.479	1.555	1.575	1.512	1.550	4.30
92)	T	1,2-Dibromo-3-...	0.150	0.140	0.124	0.133	0.134	0.126	0.135	7.18
93)	T	1,2,4-Trichlor...	0.995	1.126	1.012	1.059	1.114	1.083	1.065	5.00
94)	T	Hexachlorobuta...	0.515	0.613	0.561	0.554	0.601	0.602	0.574	6.53
95)	T	Naphthalene	1.980	2.140	1.874	2.047	2.111	2.036	2.031	4.72
96)	T	1,2,3-Trichlor...	0.904	0.953	0.849	0.928	0.950	0.930	0.919	4.20

(#) = Out of Range

Methyl Iodide

Response Ratio



$$\text{Response} = 7.112\text{e-}001 * \text{Amt} - 4.478\text{e-}002$$

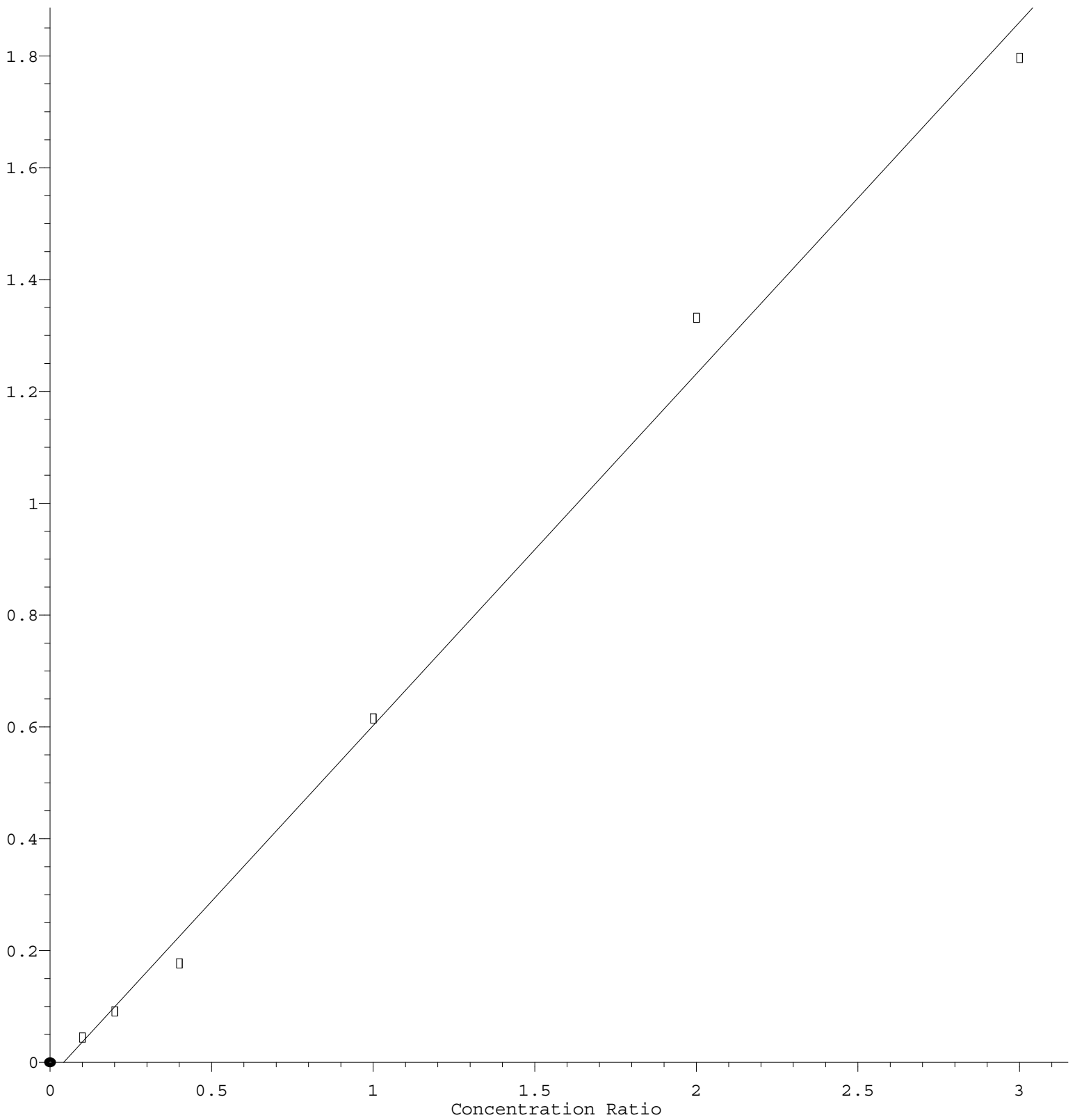
Coef of Det (r^2) = 0.996657 Curve Fit: Linear

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Bromochloromethane

Response Ratio



$$\text{Response} = 6.290\text{e-}001 * \text{Amt} - 2.649\text{e-}002$$

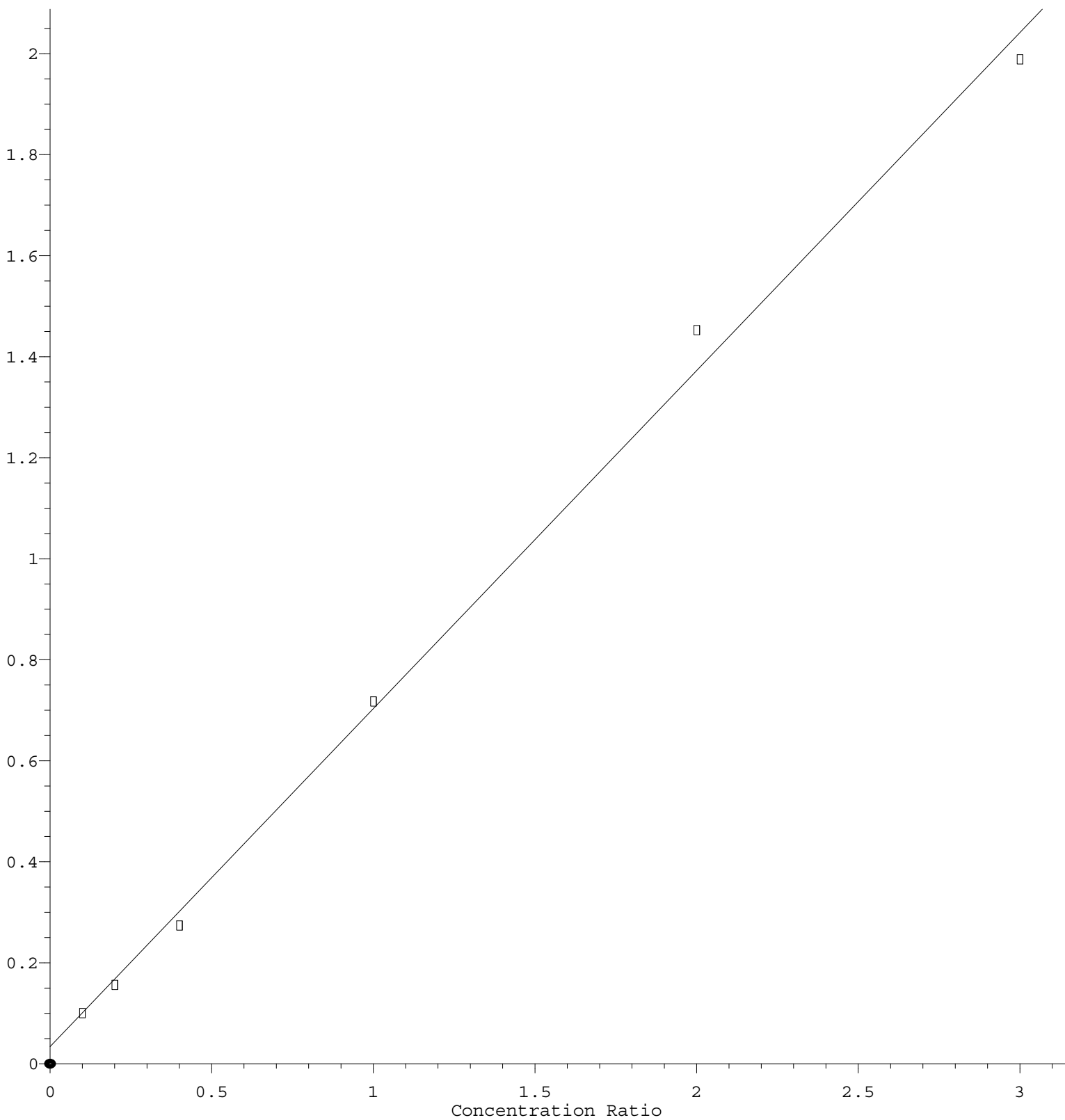
Coef of Det (r^2) = 0.993773 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 6.693\text{e-}001 * \text{Amt} + 3.401\text{e-}002$$

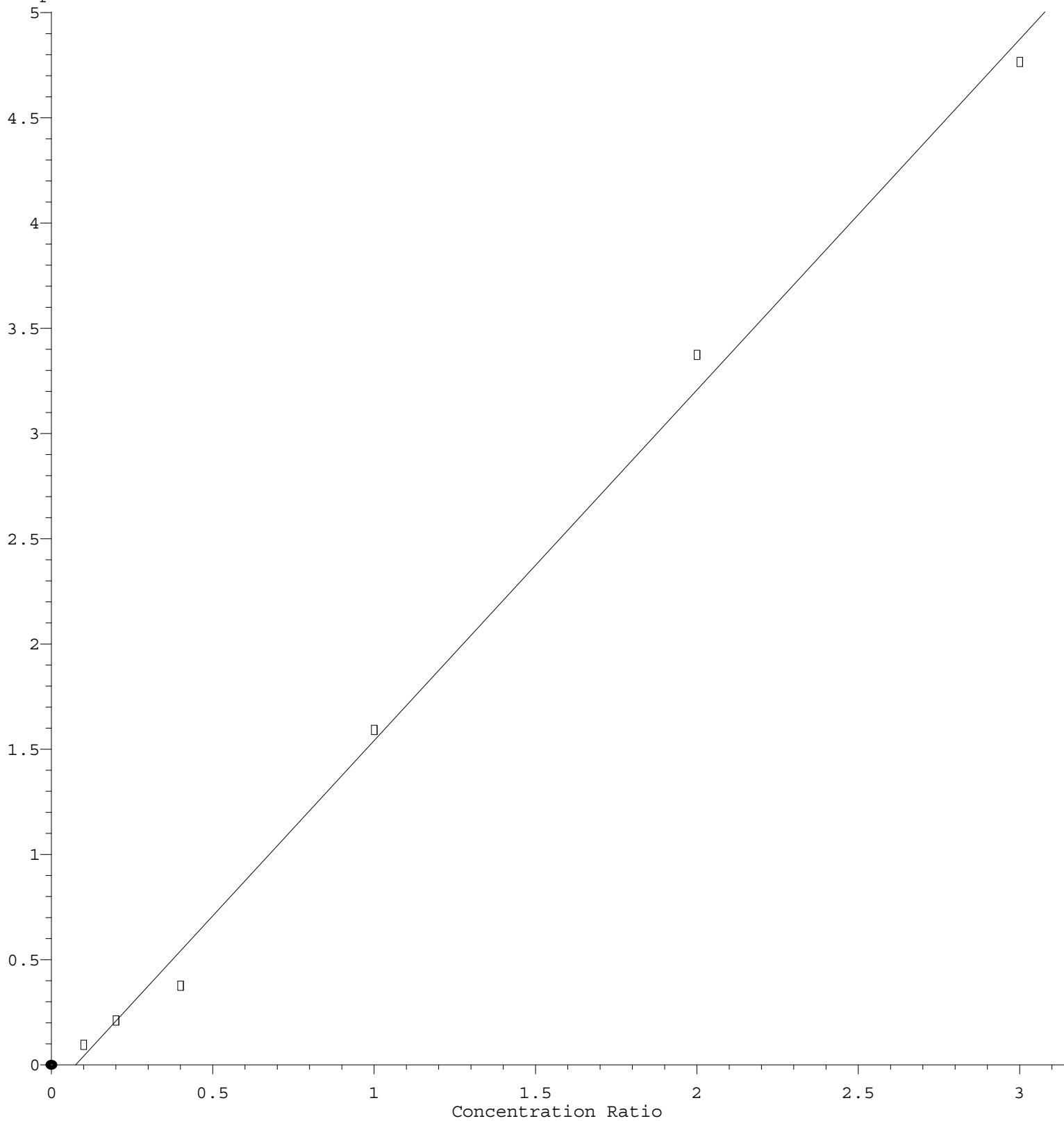
Coef of Det (r^2) = 0.996575 Curve Fit: Linear

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Carbon Disulfide

Response Ratio



$$\text{Response} = 1.666\text{e}+000 * \text{Amt} - 1.252\text{e}-001$$

Coef of Det (r^2) = 0.996161 Curve Fit: Linear

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