

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D053025S.M
 Title : SW846 8260
 Last Update : Sat May 31 01:10:05 2025
 Response Via : Initial Calibration

Calibration Files

5 =VD080394.D 10 =VD080395.D 20 =VD080396.D 50 =VD080397.D 100 =VD080398.D 150 =VD080399.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.683	0.624	0.690	0.516	0.445	0.478	0.573	18.63
3) P	Chloromethane	1.020	1.078	1.122	0.942	0.843	0.854	0.976	11.89
4) C	Vinyl Chloride	1.123	1.125	1.246	1.088	0.977	0.986	1.091	9.20#
5) T	Bromomethane	0.875	0.915	0.906	0.670	0.629	0.654	0.775	17.66
6) T	Chloroethane	0.840	0.760	0.853	0.705	0.649	0.648	0.742	12.21
7) T	Trichlorofluor...	1.053	0.983	1.178	1.004	0.889	0.907	1.002	10.53
8) T	Diethyl Ether	0.283	0.259	0.330	0.308	0.276	0.317	0.296	9.22
9) T	1,1,2-Trichlor...	0.696	0.634	0.682	0.593	0.492	0.544	0.607	13.14
10) T	Methyl Iodide	0.452	0.541	0.664	0.653	0.591	0.687	0.598	14.95
11) T	Tert butyl alc...	0.042	0.032	0.038	0.033	0.034	0.038	0.036	10.48
12) CM	1,1-Dichloroet...	0.567	0.555	0.654	0.586	0.525	0.586	0.579	7.44#
13) T	Acrolein	0.062	0.053	0.069	0.065	0.058	0.067	0.062	9.12
14) T	Allyl chloride	0.932	0.840	1.045	0.939	0.926	1.041	0.954	8.16
15) T	Acrylonitrile	0.136	0.143	0.151	0.143	0.143	0.153	0.145	4.22
16) T	Acetone	0.115	0.115	0.134	0.122	0.102	0.114	0.117	9.01
17) T	Carbon Disulfide	2.104	2.113	2.376	2.075	1.800	2.023	2.082	8.89
18) T	Methyl Acetate	0.405	0.435	0.442	0.387	0.344	0.411	0.404	8.86
19) T	Methyl tert-bu...	1.099	1.252	1.284	1.273	1.325	1.477	1.285	9.49
20) T	Methylene Chlo...	1.032	0.922	0.846	0.685	0.633	0.698	0.802	19.48
21) T	trans-1,2-Dich...	0.587	0.666	0.673	0.602	0.609	0.662	0.633	5.96
22) T	Diisopropyl ether	1.522	1.899	2.103	2.103	1.905	2.171	1.950	12.20
23) T	Vinyl Acetate	0.878	1.045	1.146	1.185	1.140	1.287	1.113	12.49
24) P	1,1-Dichloroet...	1.199	1.364	1.319	1.141	1.066	1.193	1.214	9.14
25) T	2-Butanone	0.156	0.176	0.177	0.172	0.179	0.190	0.175	6.31
26) T	2,2-Dichloropr...	0.964	1.025	1.029	0.915	0.922	0.947	0.967	5.14
27) T	cis-1,2-Dichlo...	0.685	0.747	0.745	0.686	0.721	0.765	0.725	4.65
28) T	Bromochloromet...	0.642	0.620	0.612	0.519	0.491	0.532	0.569	11.00
29) T	Tetrahydrofuran	0.114	0.108	0.124	0.118	0.113	0.129	0.118	6.56
30) C	Chloroform	1.291	1.309	1.309	1.132	1.157	1.174	1.229	6.74#
31) T	Cyclohexane	1.226	1.077	1.117	1.033	1.023	1.036	1.085	7.12
32) T	1,1,1-Trichlor...	1.100	1.094	1.074	0.985	0.952	0.967	1.029	6.62
33) S	1,2-Dichloroet...	0.746	0.650	0.703	0.568	0.543	0.536	0.624	14.21
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.317	0.343	0.293	0.321	0.348	0.327	0.325	6.08
36) T	1,1-Dichloropr...	0.501	0.489	0.481	0.487	0.526	0.513	0.499	3.43
37) T	Ethyl Acetate	0.214	0.257	0.219	0.241	0.268	0.268	0.245	9.69
38) T	Carbon Tetrach...	0.573	0.502	0.482	0.479	0.502	0.499	0.506	6.77
39) T	Methylcyclohexane	0.529	0.555	0.525	0.569	0.619	0.601	0.566	6.70
40) TM	Benzene	1.569	1.439	1.589	1.462	1.499	1.496	1.509	3.89
41) T	Methacrylonitrile	0.162	0.107	0.126	0.129	0.146	0.159	0.138	15.40
42) TM	1,2-Dichloroet...	0.473	0.420	0.448	0.419	0.414	0.416	0.432	5.56
43) T	Isopropyl Acetate	0.415	0.424	0.457	0.455	0.483	0.480	0.452	6.18
44) TM	Trichloroethene	0.357	0.346	0.360	0.350	0.353	0.358	0.354	1.49
45) C	1,2-Dichloropr...	0.388	0.414	0.375	0.374	0.388	0.384	0.387	3.76#
46) T	Dibromomethane	0.219	0.220	0.198	0.205	0.203	0.212	0.210	4.21
47) T	Bromodichlorom...	0.525	0.563	0.508	0.522	0.506	0.560	0.531	4.69
48) T	Methyl methacr...	0.211	0.185	0.199	0.238	0.231	0.258	0.220	12.24
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.003	0.002	9.38
50) S	Toluene-d8	1.242	1.236	1.204	1.342	1.507	1.314	1.308	8.46
51) T	4-Methyl-2-Pen...	0.191	0.205	0.242	0.246	0.286	0.263	0.239	14.83
52) CM	Toluene	0.793	0.827	0.878	0.950	1.095	0.950	0.915	11.85#
53) T	t-1,3-Dichloro...	0.396	0.458	0.455	0.520	0.569	0.540	0.490	13.13
54) T	cis-1,3-Dichlo...	0.502	0.528	0.517	0.554	0.660	0.603	0.561	10.71
55) T	1,1,2-Trichlor...	0.257	0.274	0.278	0.290	0.308	0.274	0.280	6.21
56) T	Ethyl methacry...	0.232	0.313	0.289	0.372	0.433	0.415	0.342	22.69

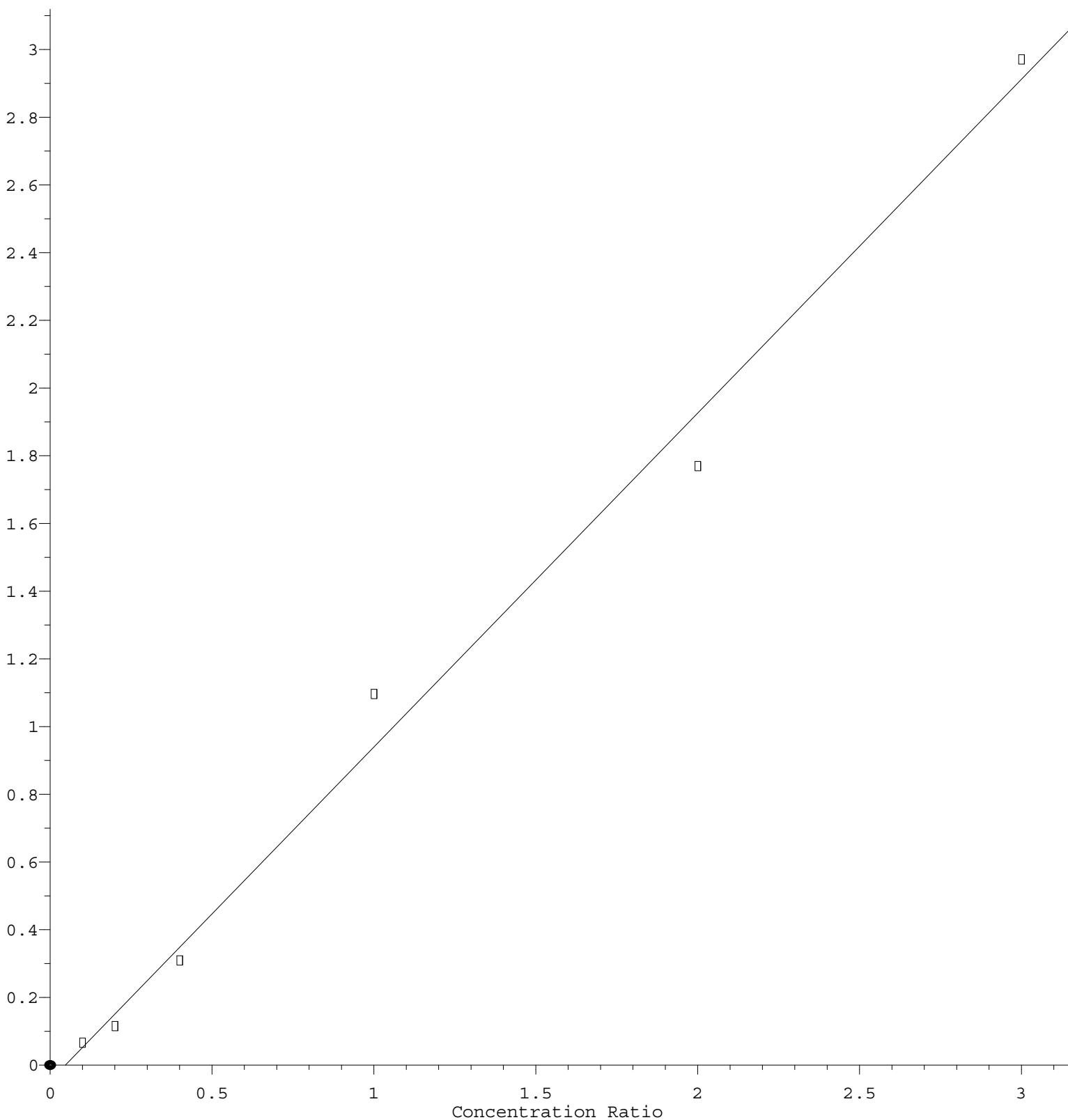
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57)	T	1,3-Dichloropr...	0.420	0.437	0.498	0.487	0.538	0.495	0.479	9.06
58)	T	2-Chloroethyl ...	0.118	0.111	0.129	0.161	0.176	0.162	0.143	18.92
59)	T	2-Hexanone	0.124	0.137	0.159	0.176	0.195	0.178	0.162	16.77
60)	T	Dibromochlorom...	0.313	0.314	0.365	0.321	0.384	0.355	0.342	8.85
61)	T	1,2-Dibromoethane	0.251	0.221	0.255	0.239	0.283	0.260	0.251	8.22
62)	S	4-Bromofluorob...	0.396	0.385	0.386	0.343	0.487	0.404	0.400	11.90
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.330	0.298	0.352	0.393	0.334	0.314	0.337	9.87
65)	PM	Chlorobenzene	1.099	1.070	1.130	1.107	1.109	1.060	1.096	2.38
66)	T	1,1,1,2-Tetrac...	0.365	0.366	0.368	0.374	0.376	0.367	0.369	1.26
67)	C	Ethyl Benzene	1.634	1.691	1.744	1.946	2.076	2.007	1.850	9.91#
68)	T	m/p-Xylenes	0.612	0.628	0.686	0.769	0.796	0.855	0.724	13.47
69)	T	o-Xylene	0.612	0.556	0.638	0.705	0.737	0.798	0.674	13.13
70)	T	Styrene	0.982	1.008	1.155	1.274	1.315	1.401	1.189	14.31
71)	P	Bromoform	0.169	0.189	0.200	0.214	0.223	0.232	0.204	11.45
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.830	2.850	4.145	3.445	3.556	3.792	3.436	15.14
74)	T	N-amyl acetate	0.723	0.771	1.085	0.933	0.981	1.098	0.932	16.81
75)	P	1,1,2,2-Tetrac...	0.754	0.692	0.882	0.691	0.673	0.667	0.726	11.31
76)	T	1,2,3-Trichlor...	0.526	0.497	0.544	0.527	0.429	0.560	0.514	9.08
77)	T	Bromobenzene	0.814	0.740	1.032	0.808	0.843	0.835	0.845	11.62
78)	T	n-propylbenzene	3.494	3.394	5.246	4.433	4.477	4.590	4.272	16.53
79)	T	2-Chlorotoluene	2.081	2.176	2.999	2.466	2.536	2.506	2.461	13.14
80)	T	1,3,5-Trimethy...	2.233	2.289	3.429	2.963	3.038	3.257	2.868	17.39
81)	T	trans-1,4-Dich...	0.241	0.216	0.315	0.249	0.250	0.272	0.257	13.08
82)	T	4-Chlorotoluene	2.260	2.182	3.146	2.633	2.686	2.846	2.626	13.77
83)	T	tert-Butylbenzene	2.128	2.134	2.674	2.428	2.570	2.531	2.411	9.56
84)	T	1,2,4-Trimethy...	2.239	2.527	3.075	3.045	3.134	3.100	2.853	13.20
85)	T	sec-Butylbenzene	3.323	3.346	3.608	3.776	3.927	3.837	3.636	7.03
86)	T	p-Isopropyltol...	2.801	2.676	2.928	3.219	3.382	3.329	3.056	9.63
87)	T	1,3-Dichlorobe...	1.774	1.644	1.769	1.721	1.765	1.722	1.732	2.85
88)	T	1,4-Dichlorobe...	1.780	1.668	1.762	1.663	1.706	1.811	1.732	3.55
89)	T	n-Butylbenzene	2.911	2.475	2.926	3.616	3.237	3.418	3.097	13.25
90)	T	Hexachloroethane	0.712	0.626	0.694	0.759	0.651	0.624	0.678	7.87
91)	T	1,2-Dichlorobe...	1.493	1.284	1.486	1.642	1.532	1.545	1.497	7.91
92)	T	1,2-Dibromo-3-...	0.122	0.086	0.130	0.148	0.109	0.115	0.118	17.71
93)	T	1,2,4-Trichlor...	0.804	0.650	0.847	1.205	0.986	1.120	0.935	22.22
94)	T	Hexachlorobuta...	0.509	0.353	0.460	0.622	0.491	0.532	0.494	17.92
95)	T	Naphthalene	1.313	1.147	1.570	2.255	1.917	2.237	1.740	27.04
96)	T	1,2,3-Trichlor...	0.662	0.577	0.773	1.096	0.885	0.990	0.830	23.80

(#) = Out of Range

1,2,3-Trichlorobenzene

Response Ratio



$$\text{Response} = 9.861\text{e-}001 * \text{Amt} - 4.666\text{e-}002$$

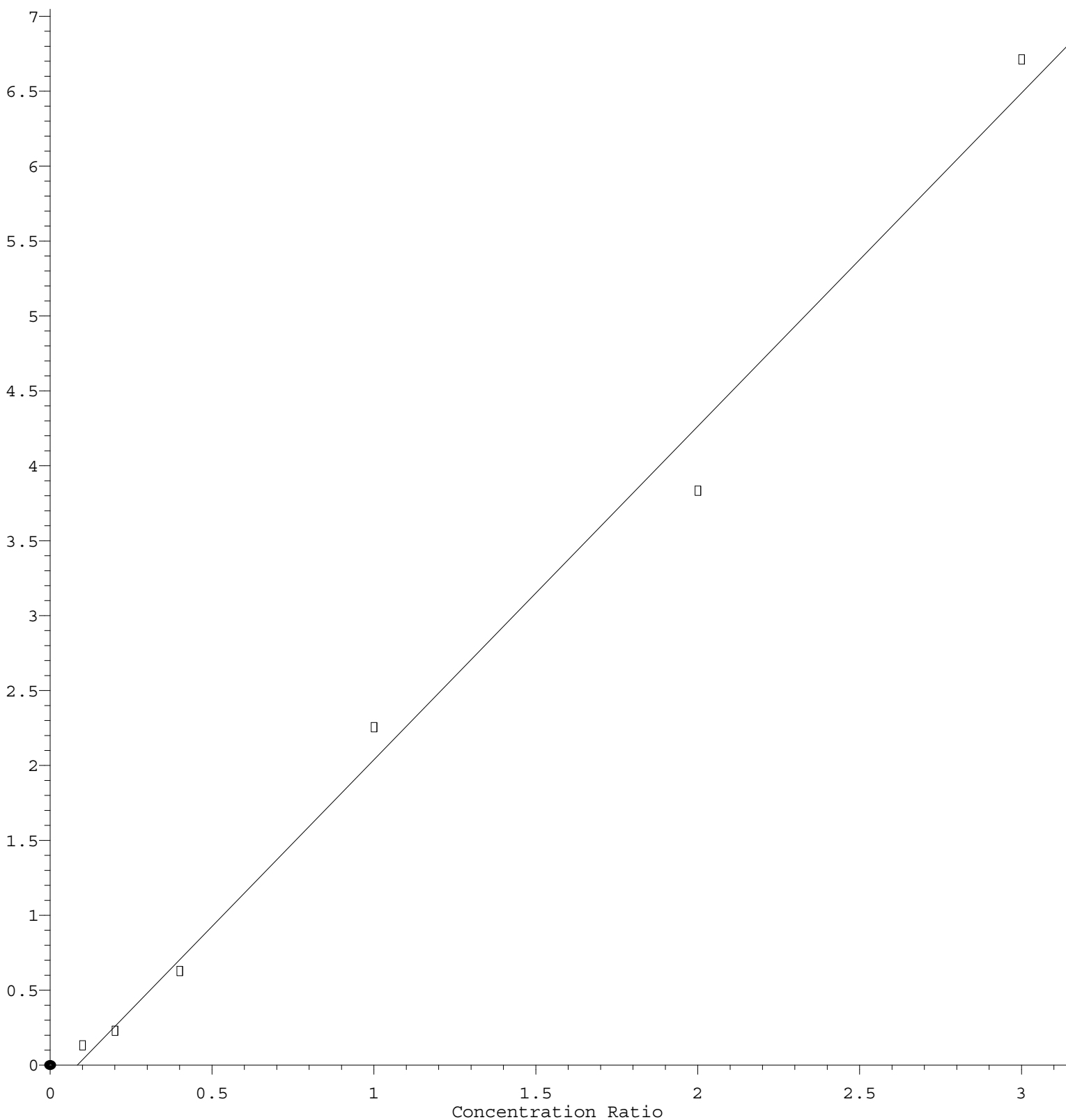
Coef of Det (r^2) = 0.991599 Curve Fit: Linear

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Naphthalene

Response Ratio



$$\text{Response} = 2.225\text{e}+000 * \text{Amt} - 1.864\text{e}-001$$

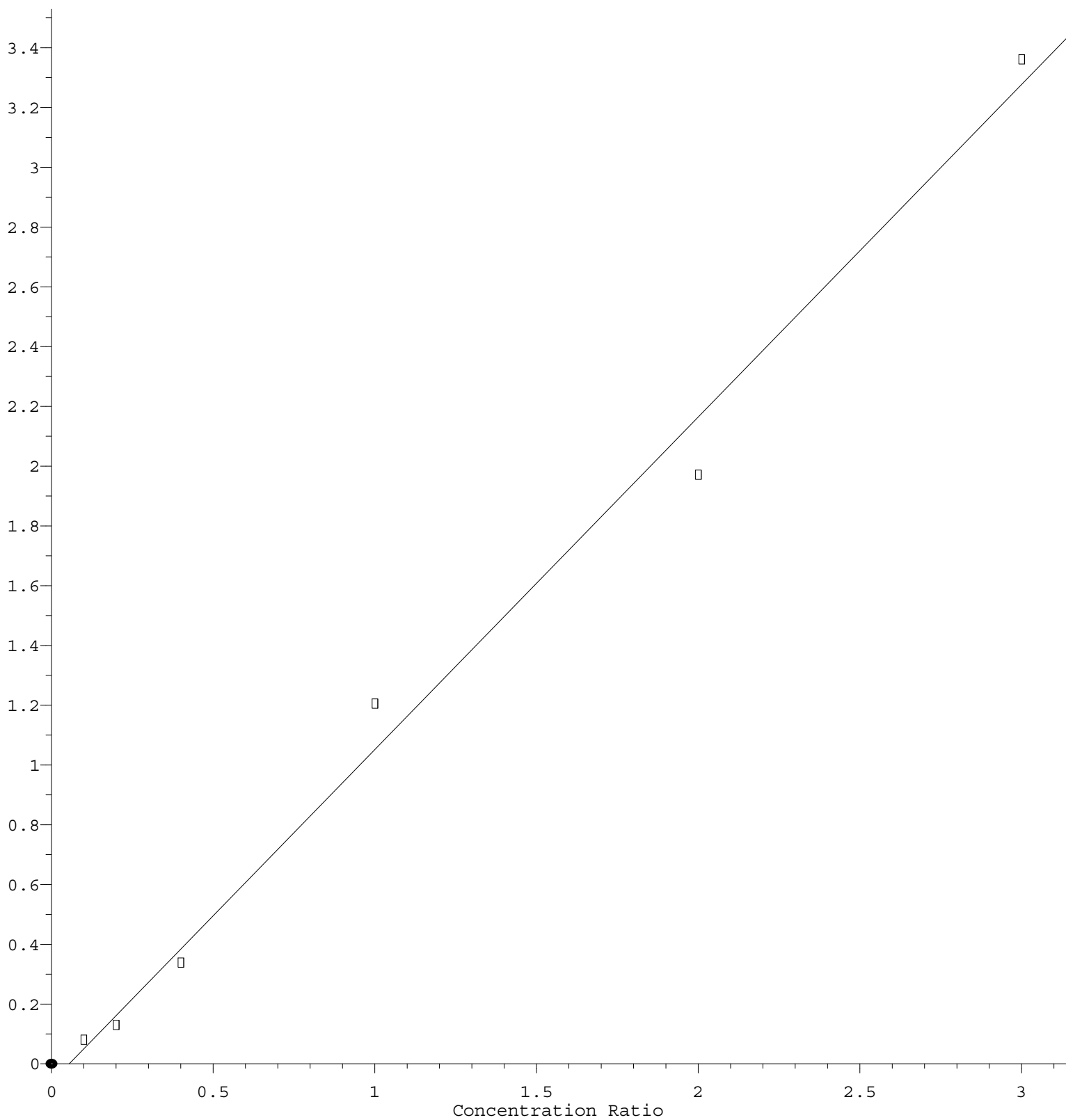
Coef of Det (r^2) = 0.991146 Curve Fit: Linear

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1,2,4-Trichlorobenzene

Response Ratio



$$\text{Response} = 1.113\text{e}+000 * \text{Amt} - 6.141\text{e}-002$$

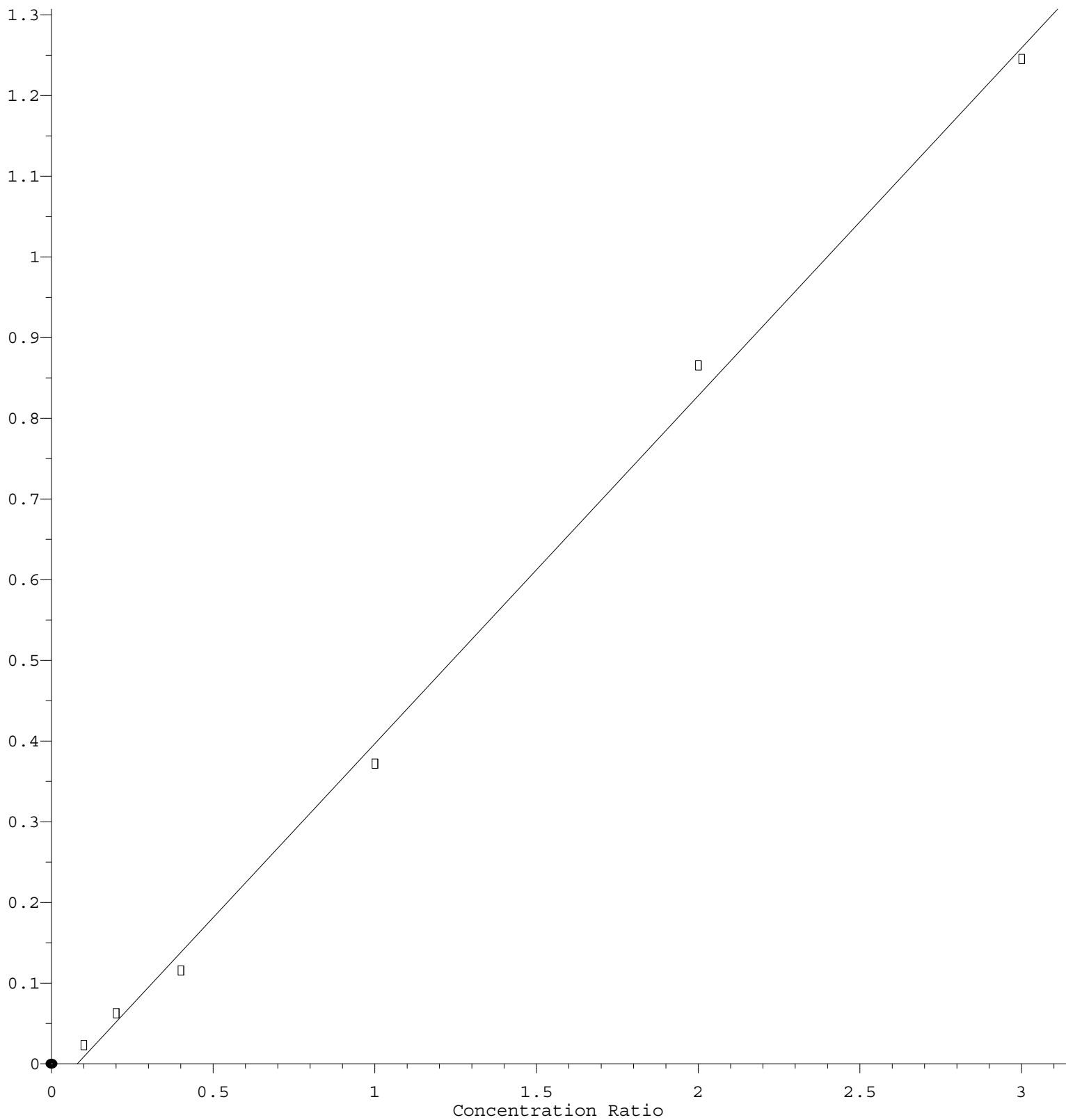
Coef of Det (r^2) = 0.991431 Curve Fit: Linear

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Ethyl methacrylate

Response Ratio



$$\text{Response} = 4.314\text{e-}001 * \text{Amt} - 3.436\text{e-}002$$

Coef of Det (r^2) = 0.997570 Curve Fit: Linear

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