

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X041624W.M
 Title : SW846 8260
 Last Update : Wed Apr 17 02:04:44 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX041091.D 5 =VX041092.D 20 =VX041093.D 50 =VX041094.D 100 =VX041095.D 150 =VX041096.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.417	0.400	0.428	0.386	0.375	0.374	0.397	5.62
3) P	Chloromethane	0.436	0.466	0.498	0.431	0.409	0.404	0.441	8.14
4) C	Vinyl Chloride	0.517	0.525	0.564	0.499	0.475	0.450	0.505	7.91#
5) T	Bromomethane		0.361	0.351	0.325	0.276	0.271	0.317	13.25
6) T	Chloroethane	0.395	0.357	0.368	0.329	0.275	0.276	0.333	14.89
7) T	Trichlorofluor...	0.878	0.840	0.902	0.790	0.749	0.598	0.793	13.99
8) T	Diethyl Ether	0.341	0.309	0.340	0.304	0.291	0.281	0.311	8.02
9) T	1,1,2-Trichlor...	0.493	0.457	0.503	0.446	0.440	0.425	0.461	6.70
10) T	Methyl Iodide		0.398	0.550	0.509	0.490	0.475	0.484	11.56
11) T	Tert butyl alc...		0.107	0.111	0.108	0.101	0.102	0.106	3.95
12) CM	1,1-Dichloroet...	0.465	0.439	0.483	0.431	0.421	0.408	0.441	6.32#
13) T	Acrolein		0.136	0.138	0.137	0.126	0.127	0.133	4.58
14) T	Allyl chloride	0.685	0.686	0.784	0.733	0.718	0.676	0.714	5.72
15) T	Acrylonitrile	0.247	0.257	0.286	0.273	0.255	0.250	0.261	5.77
16) T	Acetone	0.244	0.234	0.255	0.228	0.204	0.197	0.227	9.93
17) T	Carbon Disulfide	1.096	0.989	1.123	0.950	0.940	0.929	1.005	8.41
18) T	Methyl Acetate	0.528	0.555	0.620	0.589	0.557	0.549	0.566	5.79
19) T	Methyl tert-bu...	1.218	1.305	1.499	1.429	1.385	1.348	1.364	7.18
20) T	Methylene Chlo...	0.508	0.484	0.537	0.473	0.455	0.448	0.484	6.95
21) T	trans-1,2-Dich...	0.465	0.446	0.503	0.447	0.433	0.421	0.453	6.34
22) T	Diisopropyl ether	1.218	1.324	1.535	1.433	1.371	1.320	1.367	7.94
23) T	Vinyl Acetate	1.024	1.161	1.402	1.338	1.282	1.224	1.239	10.88
24) P	1,1-Dichloroet...	0.768	0.804	0.882	0.813	0.779	0.756	0.800	5.68
25) T	2-Butanone	0.329	0.348	0.397	0.377	0.347	0.341	0.357	7.08
26) T	2,2-Dichloropr...	0.628	0.578	0.679	0.647	0.643	0.636	0.635	5.19
27) T	cis-1,2-Dichlo...	0.542	0.523	0.613	0.548	0.536	0.519	0.547	6.24
28) T	Bromochloromet...	0.436	0.390	0.338	0.339	0.308	0.294	0.350	15.22
29) T	Tetrahydrofuran	0.215	0.236	0.262	0.248	0.231	0.224	0.236	7.29
30) C	Chloroform	0.874	0.864	0.964	0.876	0.837	0.803	0.870	6.19#
31) T	Cyclohexane		0.677	0.748	0.642	0.652	0.625	0.669	7.19
32) T	1,1,1-Trichlor...	0.776	0.731	0.820	0.770	0.752	0.731	0.763	4.40
33) S	1,2-Dichloroet...		0.602	0.545	0.550	0.484	0.517	0.540	8.08
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.351	0.335	0.348	0.305	0.331	0.334	5.42
36) T	1,1-Dichloropr...	0.439	0.422	0.467	0.415	0.405	0.390	0.423	6.42
37) T	Ethyl Acetate	0.482	0.511	0.551	0.528	0.483	0.475	0.505	6.00
38) T	Carbon Tetrach...	0.481	0.464	0.538	0.494	0.490	0.475	0.490	5.22
39) T	Methylcyclohexane	0.504	0.511	0.591	0.530	0.531	0.517	0.531	5.90
40) TM	Benzene	1.289	1.267	1.443	1.307	1.241	1.198	1.291	6.48
41) T	Methacrylonitrile	0.202	0.252	0.292	0.292	0.275	0.273	0.265	12.81
42) TM	1,2-Dichloroet...	0.450	0.461	0.519	0.473	0.444	0.427	0.463	6.88
43) T	Isopropyl Acetate	0.654	0.687	0.821	0.798	0.773	0.766	0.750	8.71
44) TM	Trichloroethene	0.413	0.376	0.416	0.374	0.364	0.357	0.383	6.55
45) C	1,2-Dichloropr...	0.281	0.288	0.342	0.322	0.307	0.299	0.307	7.33#
46) T	Dibromomethane	0.218	0.236	0.271	0.250	0.237	0.233	0.241	7.47
47) T	Bromodichlorom...	0.419	0.435	0.514	0.497	0.481	0.469	0.469	7.76
48) T	Methyl methacr...	0.282	0.325	0.410	0.407	0.389	0.383	0.366	14.02
49) T	1,4-Dioxane	0.007	0.008	0.010	0.010	0.008	0.008	0.009	11.03
50) S	Toluene-d8		1.240	1.166	1.222	1.073	1.149	1.170	5.65
51) T	4-Methyl-2-Pen...	0.445	0.478	0.573	0.555	0.509	0.497	0.509	9.40
52) CM	Toluene	0.771	0.827	0.956	0.876	0.825	0.802	0.843	7.74#
53) T	t-1,3-Dichloro...	0.349	0.388	0.496	0.487	0.489	0.490	0.450	14.26
54) T	cis-1,3-Dichlo...	0.405	0.446	0.546	0.534	0.520	0.514	0.494	11.33
55) T	1,1,2-Trichlor...	0.302	0.328	0.380	0.357	0.337	0.326	0.338	8.05
56) T	Ethyl methacry...	0.339	0.443	0.560	0.559	0.546	0.546	0.499	17.98

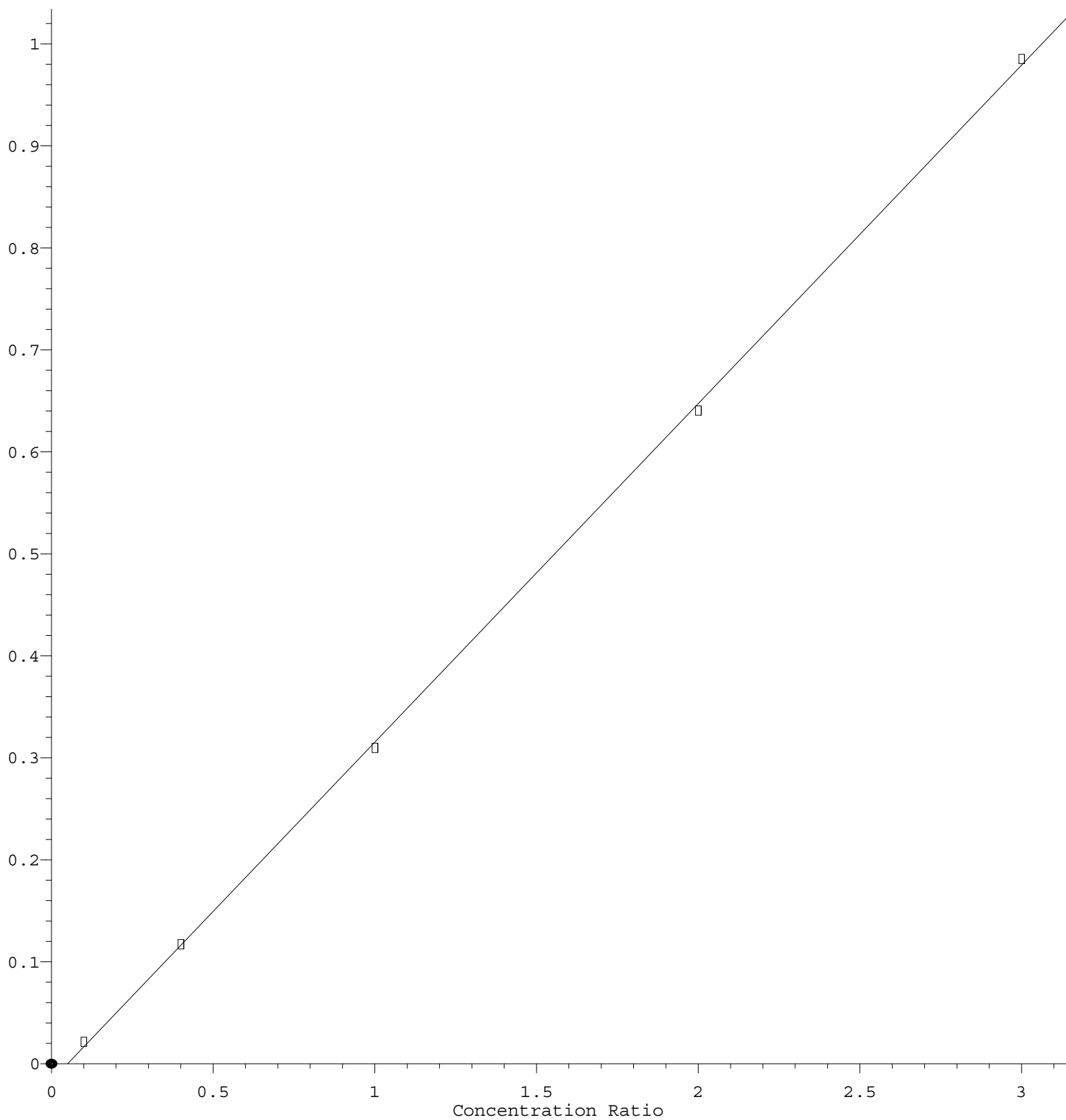
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57)	T	1,3-Dichloropr...	0.503	0.542	0.612	0.578	0.546	0.527	0.551	7.01
58)	T	2-Chloroethyl ...	0.186	0.221	0.260	0.261	0.251	0.248	0.238	12.23
59)	T	2-Hexanone	0.324	0.369	0.451	0.432	0.398	0.390	0.394	11.48
60)	T	Dibromochlorom...	0.336	0.366	0.454	0.445	0.429	0.425	0.409	11.51
61)	T	1,2-Dibromoethane	0.366	0.347	0.407	0.383	0.361	0.354	0.370	5.89
62)	S	4-Bromofluorob...		0.433	0.444	0.469	0.415	0.460	0.444	4.88
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.395	0.403	0.451	0.391	0.381	0.363	0.397	7.53
65)	PM	Chlorobenzene	1.188	1.074	1.202	1.093	1.055	1.010	1.104	6.89
66)	T	1,1,1,2-Tetrac...	0.328	0.355	0.412	0.400	0.389	0.381	0.378	8.26
67)	C	Ethyl Benzene	1.670	1.599	1.927	1.772	1.726	1.640	1.722	6.82#
68)	T	m/p-Xylenes	0.619	0.644	0.769	0.716	0.695	0.668	0.685	7.85
69)	T	o-Xylene	0.610	0.608	0.747	0.698	0.679	0.659	0.667	8.03
70)	T	Styrene	0.938	1.030	1.284	1.215	1.185	1.141	1.132	11.25
71)	P	Bromoform	0.286	0.303	0.380	0.388	0.384	0.393	0.356	13.46
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.761	2.816	3.298	3.079	2.939	2.803	2.949	7.01
74)	T	N-amyl acetate	0.896	1.015	1.285	1.300	1.266	1.259	1.170	14.62
75)	P	1,1,2,2-Tetrac...	0.925	0.937	1.063	1.008	0.948	0.927	0.968	5.76
76)	T	1,2,3-Trichlor...	0.787	0.859	0.876	0.842	0.771	0.752	0.815	6.28
77)	T	Bromobenzene	0.842	0.821	0.951	0.892	0.855	0.835	0.866	5.59
78)	T	n-propylbenzene	2.955	3.129	3.758	3.490	3.350	3.163	3.307	8.71
79)	T	2-Chlorotoluene	1.916	1.952	2.263	2.080	1.986	1.901	2.016	6.78
80)	T	1,3,5-Trimethy...	2.145	2.312	2.773	2.603	2.498	2.410	2.457	8.98
81)	T	trans-1,4-Dich...		0.214	0.293	0.310	0.320	0.328	0.293	15.67
82)	T	4-Chlorotoluene	2.182	2.201	2.650	2.442	2.354	2.256	2.348	7.56
83)	T	tert-Butylbenzene	2.271	2.456	2.872	2.776	2.689	2.657	2.620	8.41
84)	T	1,2,4-Trimethy...	2.044	2.294	2.810	2.627	2.511	2.426	2.452	10.86
85)	T	sec-Butylbenzene	2.772	2.979	3.499	3.308	3.225	3.081	3.144	8.16
86)	T	p-Isopropyltol...	2.385	2.590	3.158	2.960	2.878	2.770	2.790	9.84
87)	T	1,3-Dichlorobe...	1.670	1.557	1.777	1.659	1.577	1.562	1.633	5.26
88)	T	1,4-Dichlorobe...	2.002	1.667	1.810	1.678	1.595	1.584	1.723	9.22
89)	T	n-Butylbenzene	2.028	2.131	2.614	2.528	2.480	2.422	2.367	9.88
90)	T	Hexachloroethane	0.413	0.408	0.493	0.501	0.509	0.510	0.472	10.24
91)	T	1,2-Dichlorobe...	1.647	1.543	1.760	1.650	1.576	1.550	1.621	5.09
92)	T	1,2-Dibromo-3-...	0.159	0.194	0.230	0.233	0.223	0.221	0.210	13.51
93)	T	1,2,4-Trichlor...	1.176	1.101	1.317	1.266	1.226	1.223	1.218	6.12
94)	T	Hexachlorobuta...	0.520	0.562	0.628	0.605	0.590	0.579	0.581	6.43
95)	T	Naphthalene	2.712	2.855	3.684	3.633	3.456	3.402	3.290	12.43
96)	T	1,2,3-Trichlor...	1.148	1.111	1.316	1.254	1.216	1.213	1.210	6.08

(#) = Out of Range

trans-1,4-Dichloro-2-butene

Response Ratio



$$\text{Response} = 3.319\text{e-}001 * \text{Amt} - 1.676\text{e-}002$$

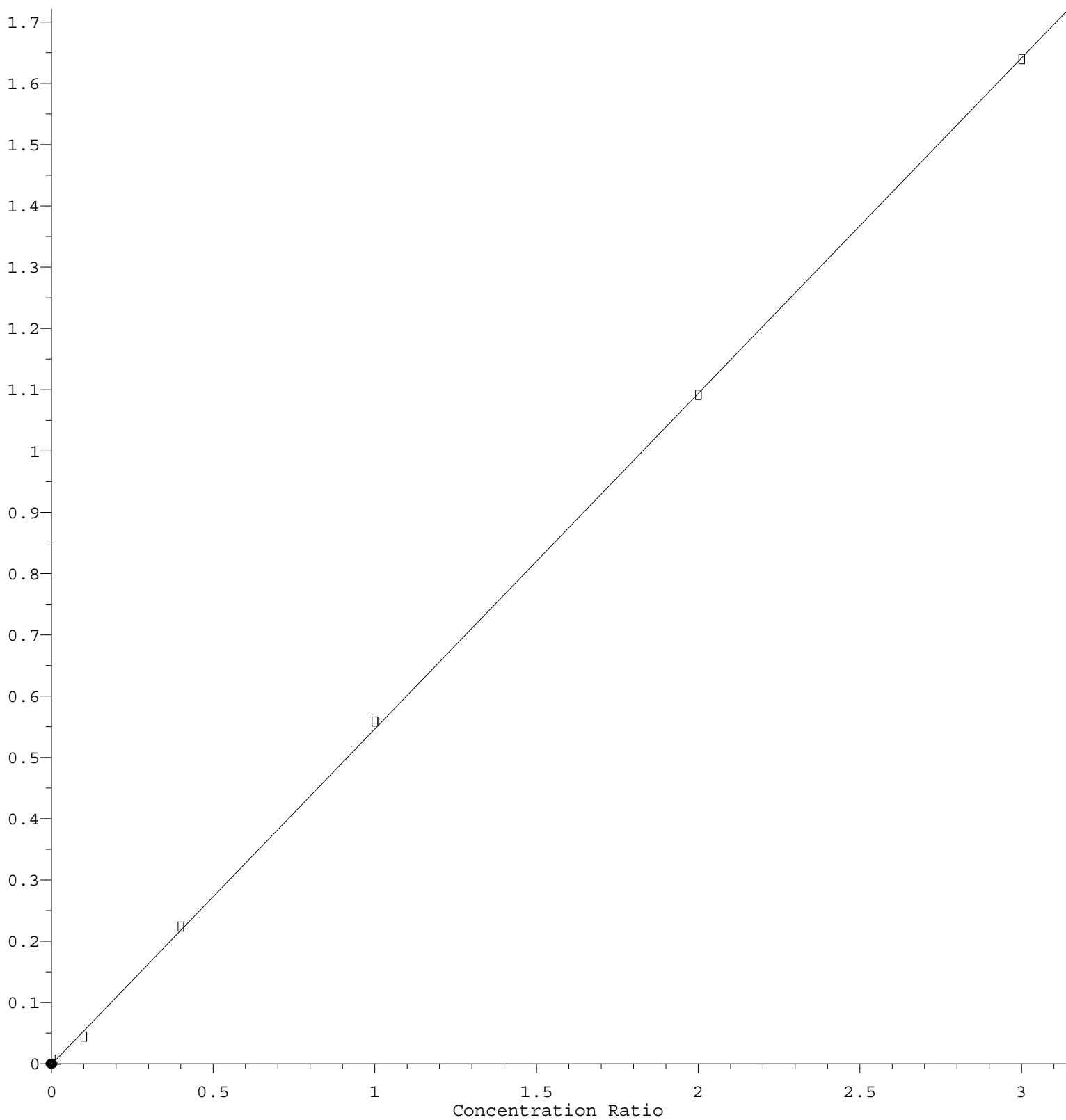
Coef of Det (r^2) = 0.999781 Curve Fit: Linear

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Ethyl methacrylate

Response Ratio



$$\text{Response} = 5.477\text{e-}001 * \text{Amt} - 1.102\text{e-}003$$

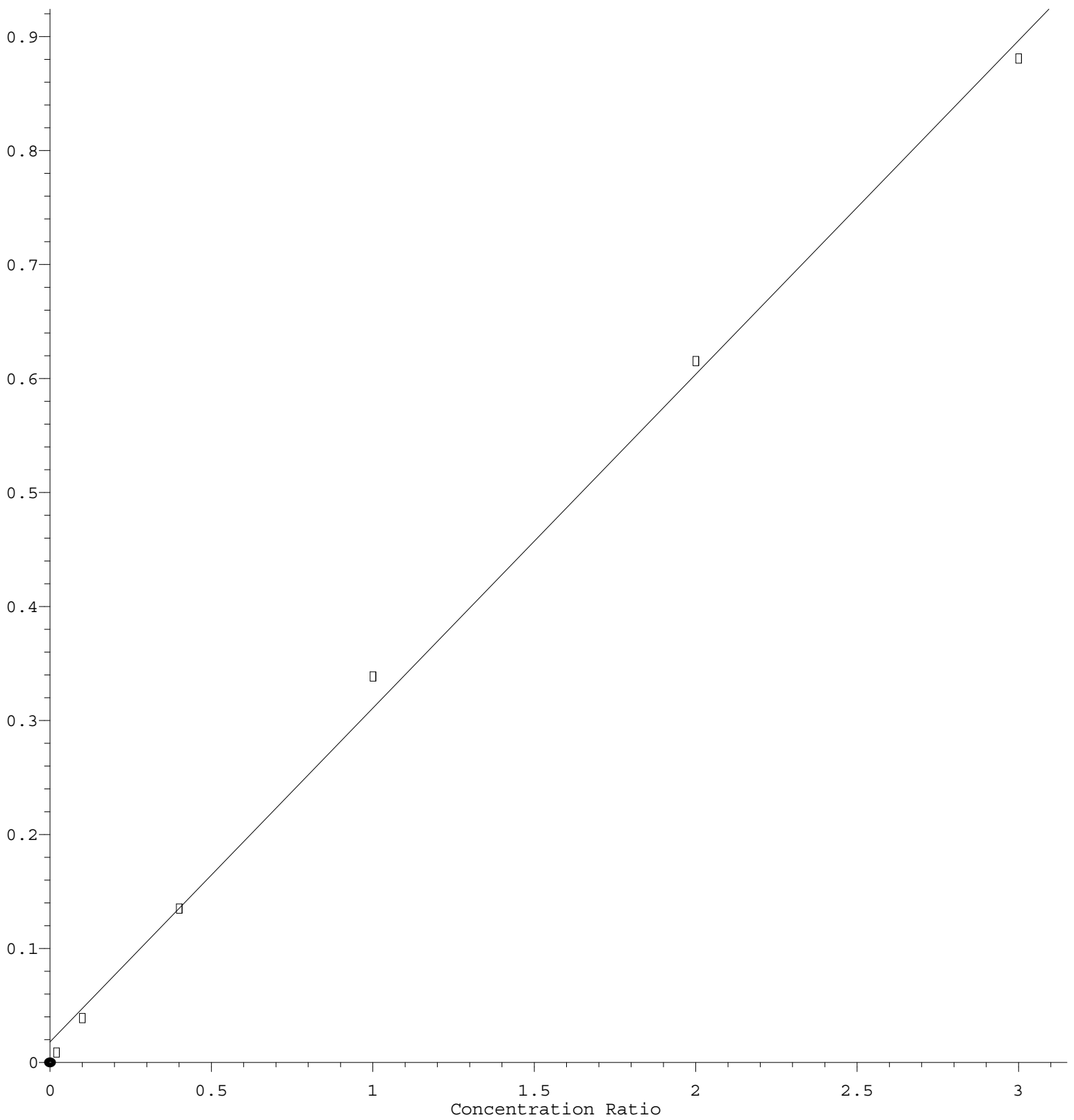
Coef of Det (r^2) = 0.999865 Curve Fit: Linear

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Bromochloromethane

Response Ratio



$$\text{Response} = 2.932\text{e-}001 * \text{Amt} + 1.761\text{e-}002$$

Coef of Det (r^2) = 0.997627 Curve Fit: Linear

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