

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X022322W.M
 Title : SW846 8260
 Last Update : Wed Feb 23 13:06:57 2022
 Response Via : Initial Calibration

Calibration Files

1 =VX027135.D 5 =VX027136.D 20 =VX027137.D 50 =VX027138.D 100 =VX027139.D 150 =VX027140.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.502	0.545	0.477	0.488	0.471	0.498	0.497	5.32
3) P	Chloromethane	0.459	0.495	0.461	0.469	0.429	0.475	0.465	4.68
4) C	Vinyl Chloride	0.442	0.484	0.441	0.473	0.445	0.491	0.463	4.93#
5) T	Bromomethane	0.202	0.271	0.185	0.189	0.205	0.210	0.210	16.61
6) T	Chloroethane	0.296	0.301	0.272	0.281	0.272	0.283	0.284	4.21
7) T	Trichlorofluor...	0.691	0.734	0.696	0.725	0.720	0.752	0.720	3.20
8) T	Diethyl Ether	0.217	0.257	0.250	0.259	0.256	0.265	0.251	6.93
9) T	1,1,2-Trichlor...	0.491	0.503	0.491	0.508	0.498	0.518	0.501	2.08
10) T	Methyl Iodide	0.547	0.638	0.708	0.720	0.753	0.673	0.673	12.18
11) T	Tert butyl alc...	0.111	0.113	0.116	0.117	0.127	0.117	0.117	5.20
12) CM	1,1-Dichloroet...	0.439	0.506	0.483	0.494	0.491	0.508	0.487	5.18#
13) T	Acrolein	0.118	0.096	0.105	0.107	0.114	0.108	0.108	7.84
14) T	Allyl chloride	0.808	0.832	0.826	0.877	0.876	0.922	0.857	4.94
15) T	Acrylonitrile	0.268	0.309	0.306	0.311	0.297	0.307	0.300	5.40
16) T	Acetone	0.290	0.270	0.265	0.257	0.248	0.252	0.264	5.81
17) T	Carbon Disulfide	1.198	1.255	1.210	1.276	1.287	1.369	1.266	4.87
18) T	Methyl Acetate	0.624	0.702	0.678	0.698	0.681	0.701	0.681	4.36
19) T	Methyl tert-bu...	1.490	1.703	1.646	1.728	1.689	1.766	1.670	5.79
20) T	Methylene Chlo...	0.562	0.550	0.524	0.546	0.533	0.563	0.546	2.83
21) T	trans-1,2-Dich...	0.469	0.519	0.518	0.530	0.528	0.551	0.519	5.27
22) T	Diisopropyl ether	1.553	1.687	1.670	1.722	1.659	1.734	1.671	3.87
23) T	Vinyl Acetate	1.203	1.351	1.412	1.498	1.469	1.531	1.411	8.51
24) P	1,1-Dichloroet...	0.904	0.939	0.928	0.960	0.945	0.991	0.944	3.12
25) T	2-Butanone	0.391	0.428	0.427	0.431	0.414	0.429	0.420	3.65
26) T	2,2-Dichloropr...	0.610	0.625	0.648	0.710	0.737	0.781	0.685	9.91
27) T	cis-1,2-Dichlo...	0.536	0.612	0.598	0.619	0.608	0.638	0.602	5.78
28) T	Bromochloromet...	0.347	0.370	0.392	0.398	0.389	0.397	0.382	5.21
29) T	Tetrahydrofuran	0.275	0.288	0.286	0.286	0.272	0.278	0.281	2.33
30) C	Chloroform	0.990	0.977	0.960	0.995	0.957	1.007	0.981	2.04#
31) T	Cyclohexane	0.915	0.871	0.909	0.878	0.923	0.899	0.899	2.61
32) T	1,1,1-Trichlor...	0.778	0.827	0.827	0.881	0.868	0.914	0.849	5.68
33) S	1,2-Dichloroet...	0.605	0.602	0.582	0.585	0.628	0.601	0.601	3.09
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.303	0.314	0.304	0.303	0.328	0.310	0.310	3.54
36) T	1,1-Dichloropr...	0.411	0.462	0.442	0.466	0.457	0.479	0.453	5.24
37) T	Ethyl Acetate	0.482	0.477	0.502	0.504	0.496	0.521	0.497	3.22
38) T	Carbon Tetrach...	0.420	0.451	0.462	0.492	0.486	0.523	0.472	7.60
39) T	Methylcyclohexane	0.514	0.573	0.542	0.579	0.570	0.602	0.563	5.49
40) TM	Benzene	1.233	1.354	1.306	1.360	1.314	1.381	1.325	4.01
41) T	Methacrylonitrile	0.257	0.255	0.275	0.282	0.273	0.294	0.273	5.52
42) TM	1,2-Dichloroet...	0.430	0.473	0.470	0.482	0.469	0.495	0.470	4.62
43) T	Isopropyl Acetate	0.645	0.738	0.761	0.803	0.794	0.849	0.765	9.12
44) TM	Trichloroethene	0.357	0.403	0.382	0.407	0.403	0.425	0.396	5.90
45) C	1,2-Dichloropr...	0.273	0.316	0.326	0.341	0.333	0.352	0.324	8.50#
46) T	Dibromomethane	0.192	0.239	0.233	0.244	0.237	0.250	0.232	8.84
47) T	Bromodichlorom...	0.416	0.430	0.449	0.466	0.465	0.496	0.454	6.37
48) T	Methyl methacr...	0.289	0.361	0.373	0.395	0.388	0.416	0.370	11.97
49) T	1,4-Dioxane	0.007	0.009	0.009	0.009	0.008	0.009	0.008	7.81
50) S	Toluene-d8	1.144	1.180	1.142	1.121	1.215	1.160	1.160	3.21
51) T	4-Methyl-2-Pen...	0.430	0.510	0.515	0.520	0.488	0.520	0.497	7.02
52) CM	Toluene	0.790	0.864	0.848	0.874	0.830	0.883	0.848	4.03#
53) T	t-1,3-Dichloro...	0.318	0.378	0.439	0.490	0.502	0.550	0.446	19.27
54) T	cis-1,3-Dichlo...	0.394	0.458	0.503	0.545	0.550	0.590	0.506	14.09
55) T	1,1,2-Trichlor...	0.303	0.337	0.341	0.350	0.331	0.353	0.336	5.37
56) T	Ethyl methacry...	0.442	0.488	0.521	0.562	0.535	0.589	0.523	10.01

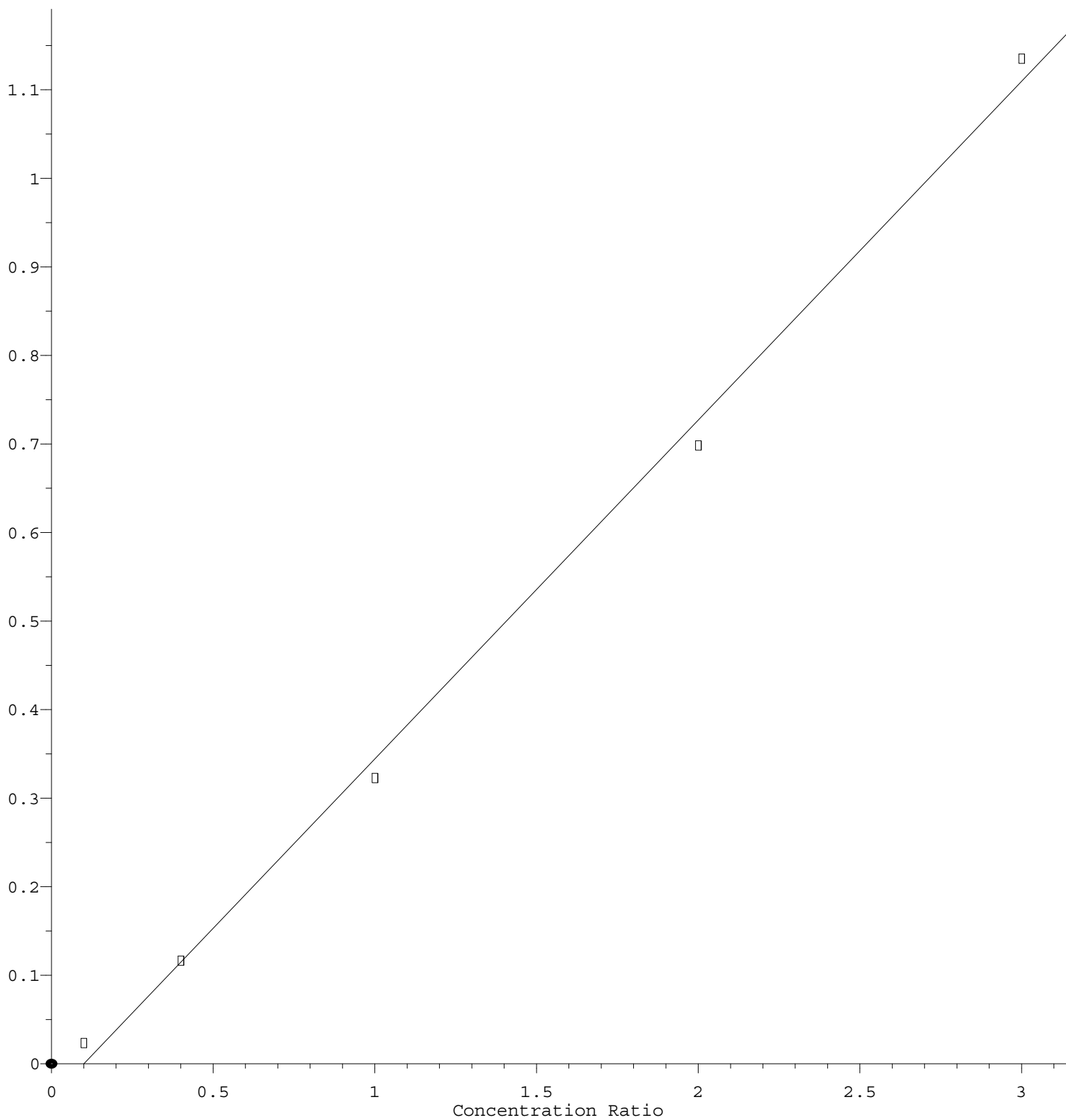
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
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57)	T	1,3-Dichloropr...	0.476	0.563	0.569	0.590	0.559	0.595	0.559	7.68
58)	T	2-Chloroethyl ...	0.222	0.235	0.246	0.267	0.266	0.278	0.252	8.63
59)	T	2-Hexanone	0.328	0.377	0.395	0.401	0.377	0.402	0.380	7.32
60)	T	Dibromochlorom...	0.274	0.326	0.348	0.374	0.364	0.405	0.348	12.90
61)	T	1,2-Dibromoethane	0.318	0.349	0.360	0.378	0.355	0.386	0.358	6.69
62)	S	4-Bromofluorob...	0.422	0.448	0.444	0.425	0.488	0.445		5.95
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.427	0.460	0.447	0.466	0.454	0.461	0.452	3.10
65)	PM	Chlorobenzene	0.961	1.030	1.006	1.044	1.012	1.062	1.019	3.47
66)	T	1,1,1,2-Tetrac...	0.324	0.357	0.367	0.384	0.378	0.408	0.370	7.68
67)	C	Ethyl Benzene	1.598	1.841	1.786	1.853	1.778	1.879	1.789	5.68#
68)	T	m/p-Xylenes	0.568	0.706	0.700	0.726	0.698	0.730	0.688	8.72
69)	T	o-Xylene	0.638	0.695	0.694	0.714	0.678	0.722	0.690	4.36
70)	T	Styrene	0.928	1.117	1.120	1.207	1.162	1.245	1.130	9.79
71)	P	Bromoform	0.209	0.247	0.269	0.301	0.308	0.346	0.280	17.34
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.348	3.763	3.658	3.657	3.464	3.578	3.578	4.20
74)	T	N-amyl acetate	1.033	1.257	1.390	1.463	1.466	1.560	1.361	13.96
75)	P	1,1,2,2-Tetrac...	1.013	1.109	1.089	1.051	1.011	1.066	1.057	3.76
76)	T	1,2,3-Trichlor...	0.896	1.050	1.049	1.030	0.986	1.032	1.007	5.90
77)	T	Bromobenzene	0.805	0.958	0.889	0.909	0.875	0.918	0.892	5.74
78)	T	n-propylbenzene	3.693	4.069	4.160	4.193	4.069	4.215	4.066	4.75
79)	T	2-Chlorotoluene	2.298	2.637	2.536	2.528	2.419	2.533	2.492	4.71
80)	T	1,3,5-Trimethy...	2.608	3.154	3.082	3.119	2.990	3.099	3.008	6.77
81)	T	trans-1,4-Dich...	0.234	0.291	0.323	0.349	0.378	0.315		17.63
82)	T	4-Chlorotoluene	2.612	2.916	2.901	2.903	2.833	2.914	2.847	4.18
83)	T	tert-Butylbenzene	2.708	3.009	2.966	2.999	2.863	3.008	2.925	4.11
84)	T	1,2,4-Trimethy...	2.583	3.024	3.083	3.098	3.019	3.149	2.993	6.90
85)	T	sec-Butylbenzene	3.186	3.742	3.735	3.816	3.693	3.836	3.668	6.60
86)	T	p-Isopropyltol...	2.616	3.179	3.199	3.260	3.179	3.329	3.127	8.21
87)	T	1,3-Dichlorobe...	1.525	1.734	1.672	1.711	1.675	1.759	1.679	4.92
88)	T	1,4-Dichlorobe...	1.706	1.741	1.706	1.717	1.680	1.753	1.717	1.55
89)	T	n-Butylbenzene	2.127	2.580	2.618	2.755	2.723	2.878	2.614	9.97
90)	T	Hexachloroethane	0.393	0.437	0.461	0.514	0.529	0.572	0.484	13.59
91)	T	1,2-Dichlorobe...	1.510	1.716	1.657	1.662	1.609	1.677	1.638	4.38
92)	T	1,2-Dibromo-3-...	0.207	0.218	0.244	0.258	0.266	0.279	0.245	11.40
93)	T	1,2,4-Trichlor...	0.850	1.007	1.037	1.075	1.083	1.153	1.034	9.95
94)	T	Hexachlorobuta...	0.406	0.408	0.423	0.441	0.438	0.458	0.429	4.73
95)	T	Naphthalene	2.717	3.387	3.621	3.765	3.697	3.893	3.513	12.10
96)	T	1,2,3-Trichlor...	0.882	1.019	1.027	1.078	1.079	1.132	1.036	8.30

(#) = Out of Range

trans-1,4-Dichloro-2-butene

Response Ratio



$$\text{Response} = 3.826\text{e-}001 * \text{Amt} - 3.830\text{e-}002$$

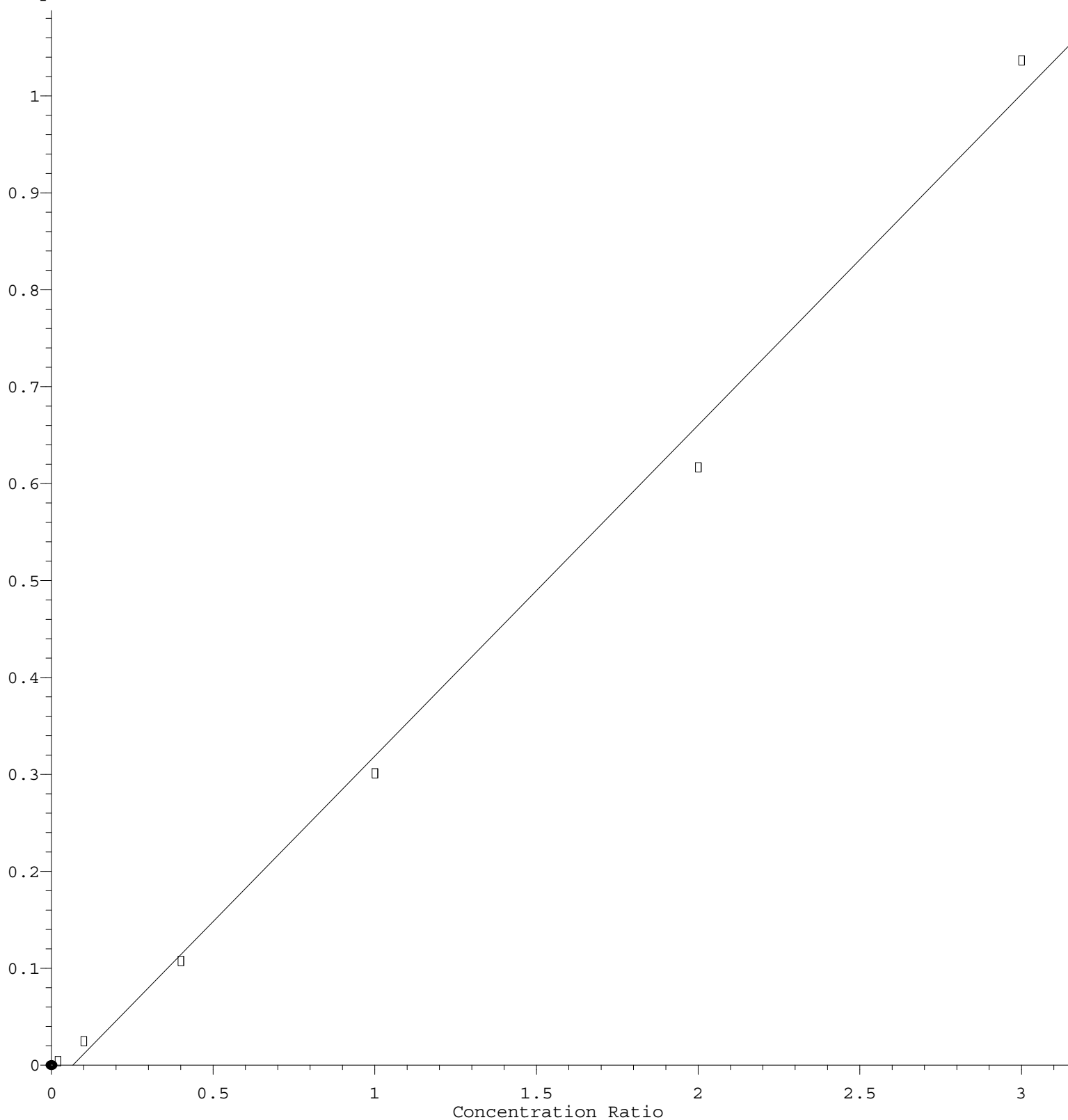
Coef of Det (r^2) = 0.997028 Curve Fit: Linear

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Bromoform

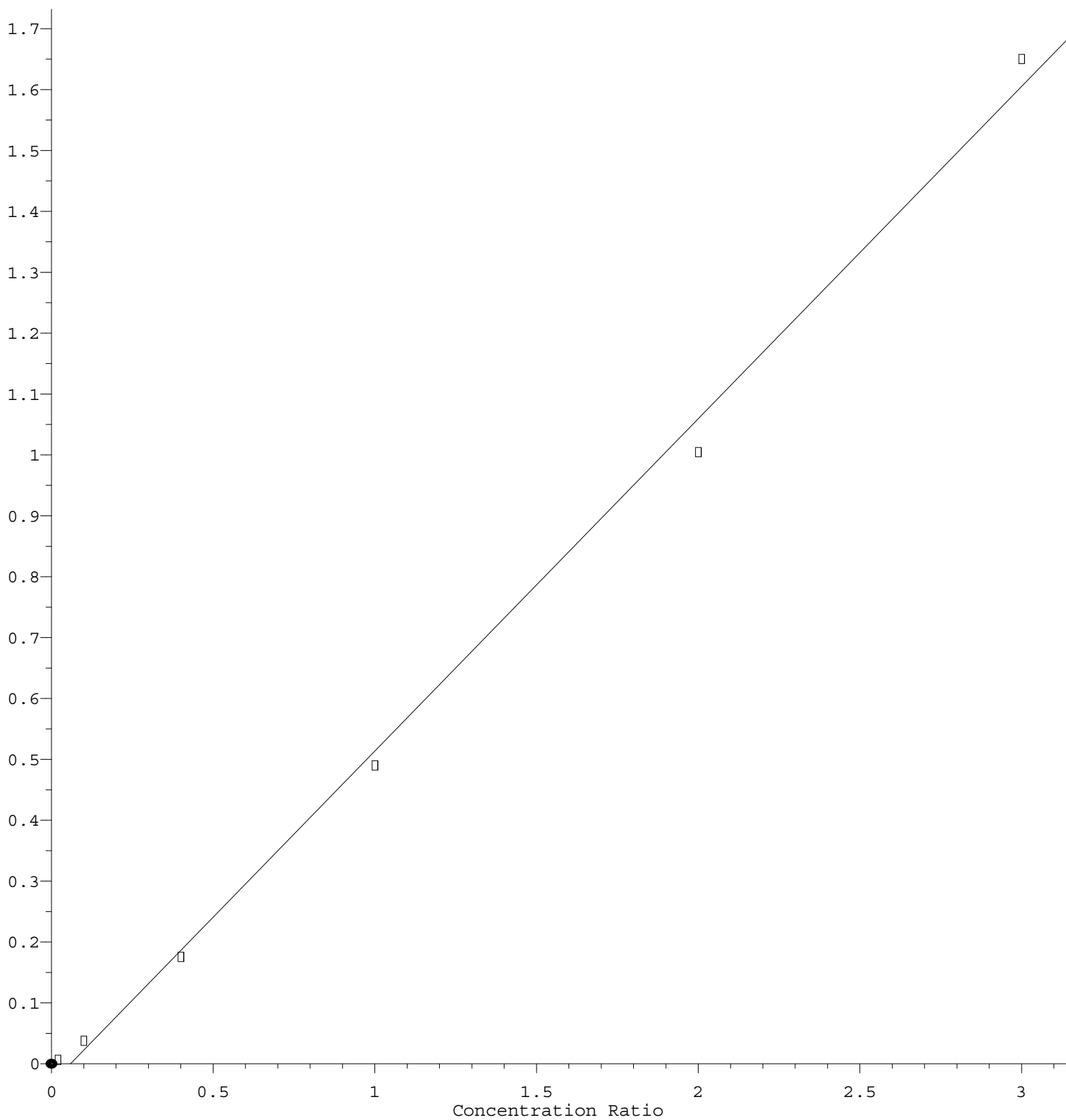
Response Ratio



Response = $3.412 \times 10^{-1} \times \text{Amt} - 2.235 \times 10^{-2}$
 Coef of Det (r^2) = 0.995139 Curve Fit: Linear
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 Calibration Table Last Updated: Wed Feb 23 13:06:57 2022

t-1,3-Dichloropropene

Response Ratio



$$\text{Response} = 5.458\text{e-}001 * \text{Amt} - 3.244\text{e-}002$$

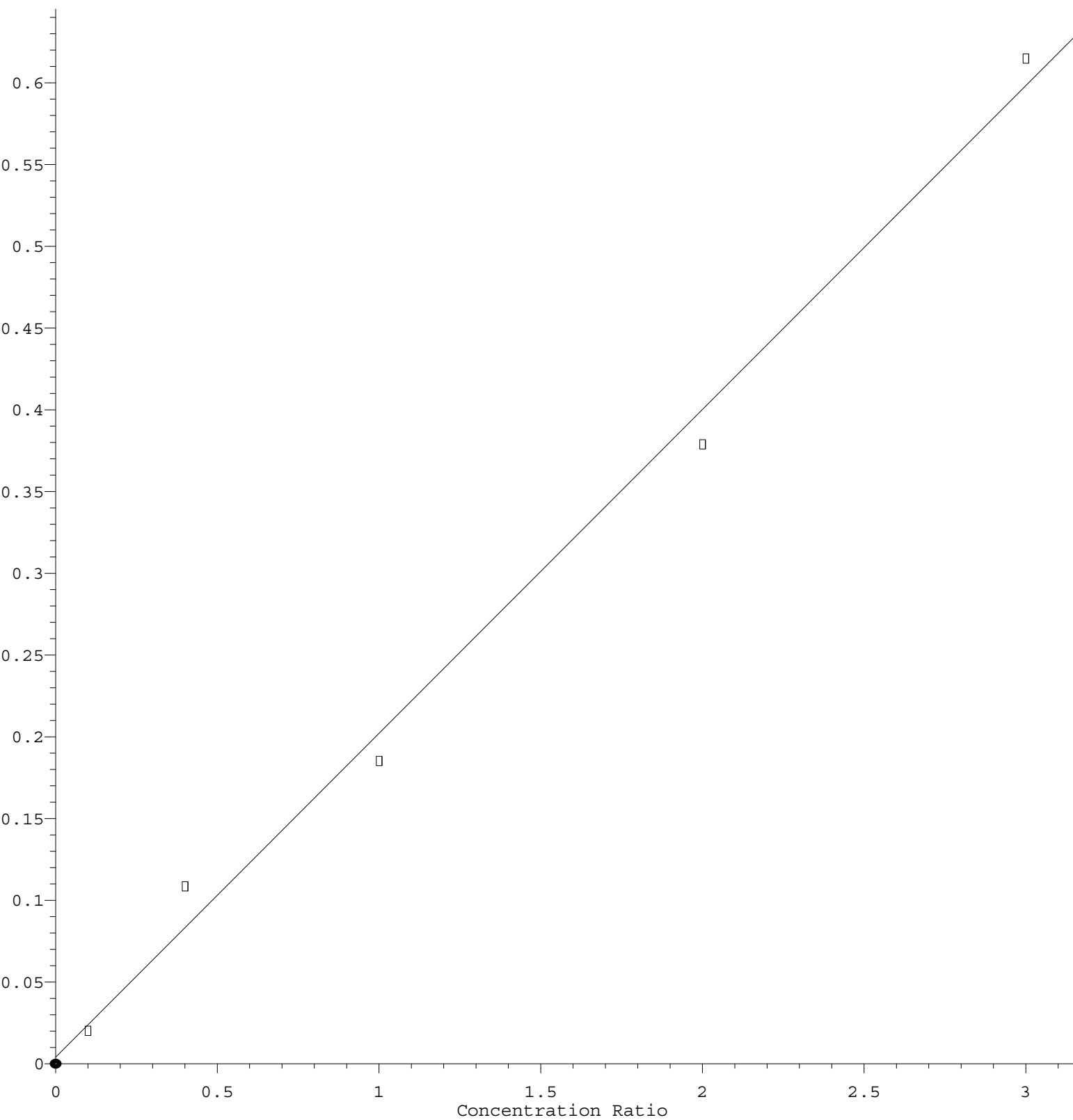
Coef of Det (r^2) = 0.996834 Curve Fit: Linear

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Bromomethane

Response Ratio



$$\text{Response} = 1.981\text{e-}001 * \text{Amt} + 3.999\text{e-}003$$

Coef of Det (r^2) = 0.992632 Curve Fit: Linear

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