

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y101722S.M
 Title : SW846 8260
 Last Update : Tue Oct 18 01:42:42 2022
 Response Via : Initial Calibration

Calibration Files

5 =VY010966.D 10 =VY010967.D 20 =VY010973.D 50 =VY010969.D 100 =VY010970.D 150 =VY010971.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.387	0.336	0.323	0.318	0.312	0.313	0.332	8.63
3) P	Chloromethane	0.571	0.489	0.478	0.448	0.434	0.435	0.476	10.85
4) C	Vinyl Chloride	0.595	0.543	0.548	0.525	0.512	0.513	0.539	5.76#
5) T	Bromomethane	0.471	0.382	0.383	0.338	0.330	0.333	0.373	14.45
6) T	Chloroethane	0.394	0.369	0.366	0.347	0.341	0.345	0.360	5.54
7) T	Trichlorofluor...	0.859	0.791	0.795	0.765	0.757	0.768	0.789	4.73
8) T	Diethyl Ether	0.315	0.290	0.292	0.290	0.290	0.289	0.295	3.41
9) T	1,1,2-Trichlor...	0.539	0.491	0.497	0.483	0.478	0.483	0.495	4.54
10) T	Methyl Iodide	0.598	0.572	0.570	0.626	0.630	0.639	0.606	5.01
11) T	Tert butyl alc...	0.093	0.072	0.060	0.049	0.051	0.049	0.062	28.01
12) CM	1,1-Dichloroet...	0.514	0.475	0.474	0.463	0.457	0.463	0.474	4.38#
13) T	Acrolein	0.075	0.077	0.073	0.074	0.075	0.072	0.074	2.34
14) T	Allyl chloride	0.790	0.744	0.737	0.748	0.743	0.751	0.752	2.54
15) T	Acrylonitrile	0.158	0.152	0.153	0.152	0.155	0.150	0.154	1.95
16) T	Acetone	0.150	0.123	0.139	0.131	0.139	0.121	0.134	8.21
17) T	Carbon Disulfide	1.652	1.417	1.384	1.316	1.281	1.293	1.391	9.99
18) T	Methyl Acetate	0.629	0.426	0.416	0.367	0.372	0.360	0.428	23.83
19) T	Methyl tert-bu...	1.337	1.277	1.295	1.337	1.359	1.347	1.325	2.42
20) T	Methylene Chlo...	1.360	0.860	0.696	0.573	0.542	0.536	0.761	41.78
21) T	trans-1,2-Dich...	0.583	0.541	0.525	0.527	0.518	0.519	0.535	4.58
22) T	Diisopropyl ether	1.597	1.589	1.614	1.644	1.616	1.606	1.611	1.19
23) T	Vinyl Acetate	0.840	0.917	0.956	1.020	1.033	1.014	0.963	7.77
24) P	1,1-Dichloroet...	1.020	0.976	0.967	0.966	0.951	0.955	0.973	2.58
25) T	2-Butanone	0.220	0.196	0.203	0.199	0.205	0.194	0.203	4.71
26) T	2,2-Dichloropr...	0.954	0.873	0.835	0.843	0.830	0.847	0.864	5.42
27) T	cis-1,2-Dichlo...	0.640	0.612	0.608	0.616	0.611	0.616	0.617	1.84
28) T	Bromochloromet...	0.319	0.210	0.194	0.374	0.364	0.358	0.303	26.72
29) T	Tetrahydrofuran	0.125	0.123	0.126	0.125	0.128	0.122	0.125	1.73
30) C	Chloroform	1.021	0.985	0.970	0.983	0.958	0.965	0.980	2.28#
31) T	Cyclohexane	1.064	0.893	0.872	0.826	0.811	0.822	0.881	10.75
32) T	1,1,1-Trichlor...	0.900	0.851	0.857	0.856	0.846	0.862	0.862	2.26
33) S	1,2-Dichloroet...	0.515	0.512	0.436	0.443	0.431	0.425	0.461	9.03
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.311	0.417	0.276	0.279	0.269	0.272	0.304	18.84
36) T	1,1-Dichloropr...	0.503	0.454	0.460	0.460	0.453	0.462	0.465	4.04
37) T	Ethyl Acetate	0.260	0.249	0.253	0.260	0.268	0.257	0.258	2.55
38) T	Carbon Tetrach...	0.510	0.477	0.467	0.477	0.471	0.481	0.480	3.21
39) T	Methylcyclohexane	0.586	0.522	0.554	0.554	0.555	0.574	0.557	3.93
40) TM	Benzene	1.482	1.352	1.342	1.351	1.324	1.342	1.366	4.25
41) T	Methacrylonitrile	0.137	0.137	0.148	0.127	0.133	0.156	0.140	7.64
42) TM	1,2-Dichloroet...	0.406	0.379	0.367	0.378	0.370	0.372	0.378	3.79
43) T	Isopropyl Acetate	0.450	0.445	0.448	0.465	0.478	0.475	0.460	3.14
44) TM	Trichloroethene	0.401	0.365	0.364	0.364	0.358	0.369	0.370	4.19
45) C	1,2-Dichloropr...	0.367	0.341	0.335	0.348	0.342	0.346	0.347	3.18#
46) T	Dibromomethane	0.204	0.187	0.189	0.193	0.192	0.194	0.193	3.05
47) T	Bromodichlorom...	0.481	0.458	0.446	0.471	0.465	0.474	0.466	2.66
48) T	Methyl methacr...	0.197	0.192	0.198	0.213	0.219	0.218	0.206	5.83
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	3.89
50) S	Toluene-d8	1.210	0.992	1.025	1.036	0.998	1.003	1.044	7.95
51) T	4-Methyl-2-Pen...	0.254	0.244	0.253	0.262	0.267	0.260	0.257	3.17
52) CM	Toluene	0.869	0.825	0.842	0.856	0.839	0.859	0.848	1.88#
53) T	t-1,3-Dichloro...	0.479	0.467	0.472	0.490	0.492	0.504	0.484	2.84
54) T	cis-1,3-Dichlo...	0.563	0.532	0.537	0.563	0.561	0.567	0.554	2.78
55) T	1,1,2-Trichlor...	0.289	0.276	0.271	0.280	0.278	0.278	0.279	2.17
56) T	Ethyl methacry...	0.342	0.334	0.356	0.388	0.401	0.401	0.370	8.13

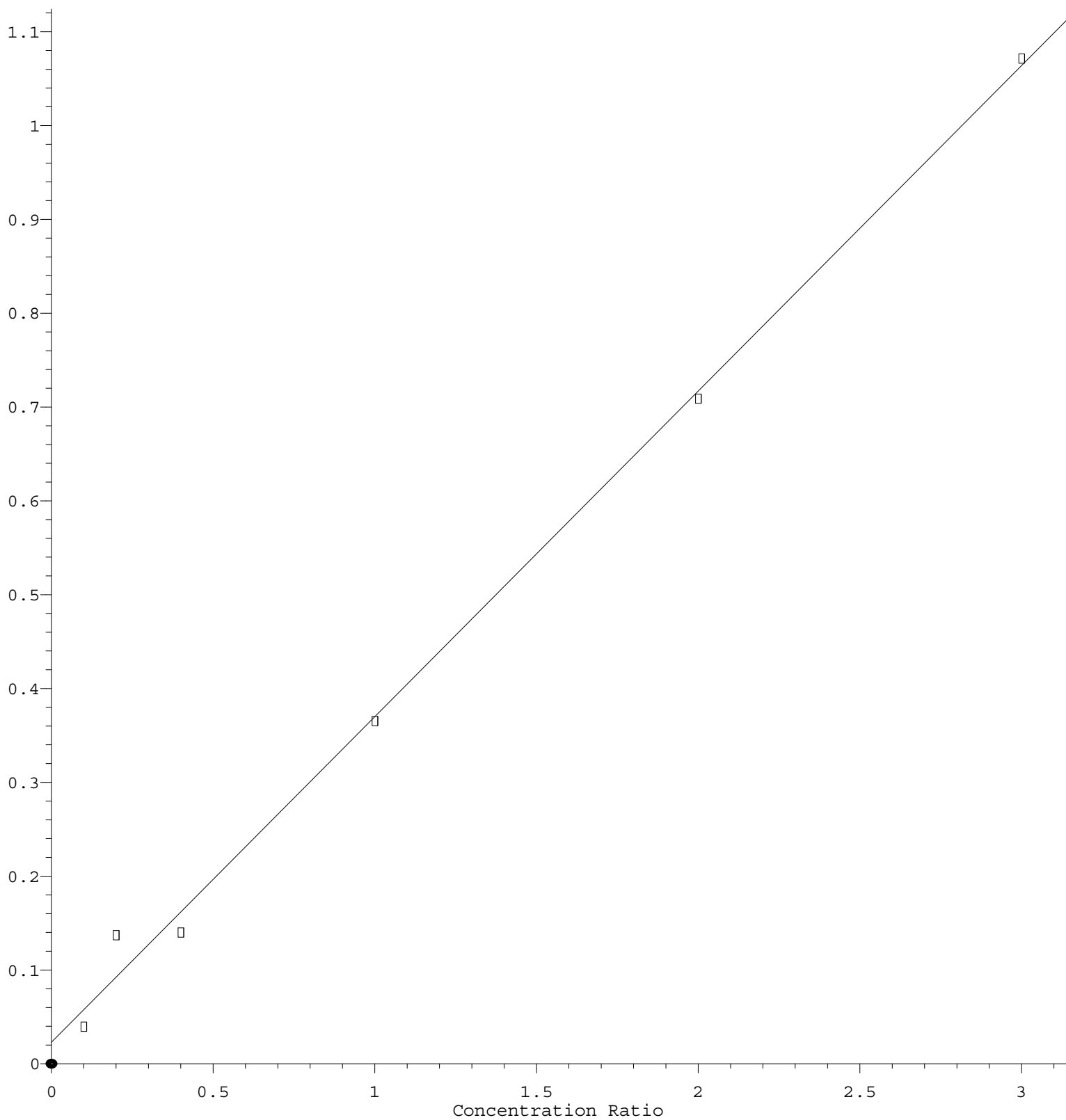
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
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57)	T	1,3-Dichloropr...	0.508	0.470	0.462	0.483	0.478	0.475	0.479	3.27
58)	T	2-Chloroethyl ...	0.171	0.117	0.123	0.193	0.189	0.192	0.164	21.45
59)	T	2-Hexanone	0.166	0.162	0.177	0.183	0.190	0.181	0.176	6.12
60)	T	Dibromochlorom...	0.336	0.330	0.320	0.335	0.333	0.335	0.332	1.79
61)	T	1,2-Dibromoethane	0.282	0.261	0.260	0.266	0.267	0.265	0.267	2.97
62)	S	4-Bromofluorob...	0.394	0.685	0.350	0.365	0.354	0.357	0.418	31.58
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.433	0.382	0.382	0.386	0.375	0.378	0.389	5.57
65)	PM	Chlorobenzene	1.093	1.008	1.018	1.024	1.002	1.014	1.027	3.24
66)	T	1,1,1,2-Tetrac...	0.391	0.375	0.374	0.380	0.378	0.382	0.380	1.65
67)	C	Ethyl Benzene	1.829	1.741	1.800	1.842	1.823	1.861	1.816	2.31#
68)	T	m/p-Xylenes	0.699	0.677	0.696	0.706	0.701	0.713	0.699	1.77
69)	T	o-Xylene	0.659	0.624	0.656	0.678	0.674	0.690	0.663	3.49
70)	T	Styrene	1.086	1.056	1.120	1.161	1.149	1.172	1.124	4.08
71)	P	Bromoform	0.238	0.224	0.229	0.237	0.239	0.240	0.234	2.72
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.563	3.491	3.698	3.663	3.595	3.785	3.633	2.87
74)	T	N-amyl acetate	0.864	0.846	0.902	0.945	0.974	0.999	0.922	6.60
75)	P	1,1,2,2-Tetrac...	0.805	0.761	0.766	0.743	0.742	0.759	0.762	3.01
76)	T	1,2,3-Trichlor...	0.590	0.574	0.582	0.555	0.542	0.564	0.568	3.14
77)	T	Bromobenzene	0.870	0.836	0.856	0.841	0.825	0.865	0.849	2.08
78)	T	n-propylbenzene	4.388	4.249	4.541	4.470	4.346	4.524	4.420	2.56
79)	T	2-Chlorotoluene	2.560	2.384	2.518	2.488	2.432	2.553	2.489	2.80
80)	T	1,3,5-Trimethy...	2.995	2.915	3.130	3.068	2.983	3.093	3.031	2.64
81)	T	trans-1,4-Dich...	0.259	0.241	0.262	0.269	0.272	0.281	0.264	5.21
82)	T	4-Chlorotoluene	2.661	2.531	2.640	2.581	2.512	2.624	2.592	2.33
83)	T	tert-Butylbenzene	2.517	2.468	2.680	2.678	2.628	2.755	2.621	4.15
84)	T	1,2,4-Trimethy...	2.878	2.898	3.078	3.036	2.967	3.076	2.989	2.95
85)	T	sec-Butylbenzene	3.874	3.790	4.035	4.013	3.904	4.015	3.938	2.49
86)	T	p-Isopropyltol...	3.180	3.087	3.335	3.333	3.283	3.385	3.267	3.44
87)	T	1,3-Dichlorobe...	1.816	1.646	1.699	1.672	1.643	1.692	1.695	3.77
88)	T	1,4-Dichlorobe...	1.836	1.652	1.683	1.663	1.618	1.657	1.685	4.58
89)	T	n-Butylbenzene	2.956	2.897	3.103	3.140	3.073	3.149	3.053	3.38
90)	T	Hexachloroethane	0.661	0.641	0.650	0.642	0.625	0.649	0.645	1.86
91)	T	1,2-Dichlorobe...	1.619	1.479	1.528	1.503	1.470	1.499	1.516	3.57
92)	T	1,2-Dibromo-3-...	0.138	0.124	0.123	0.122	0.125	0.125	0.126	4.77
93)	T	1,2,4-Trichlor...	0.895	0.841	0.892	0.916	0.937	0.956	0.906	4.43
94)	T	Hexachlorobuta...	0.564	0.530	0.534	0.528	0.516	0.528	0.533	3.07
95)	T	Naphthalene	1.619	1.642	1.815	1.917	2.023	2.056	1.845	10.13
96)	T	1,2,3-Trichlor...	0.756	0.758	0.782	0.802	0.821	0.826	0.791	3.87

(#) = Out of Range

4-Bromofluorobenzene

Response Ratio



$$\text{Response} = 3.471\text{e-}001 * \text{Amt} + 2.272\text{e-}002$$

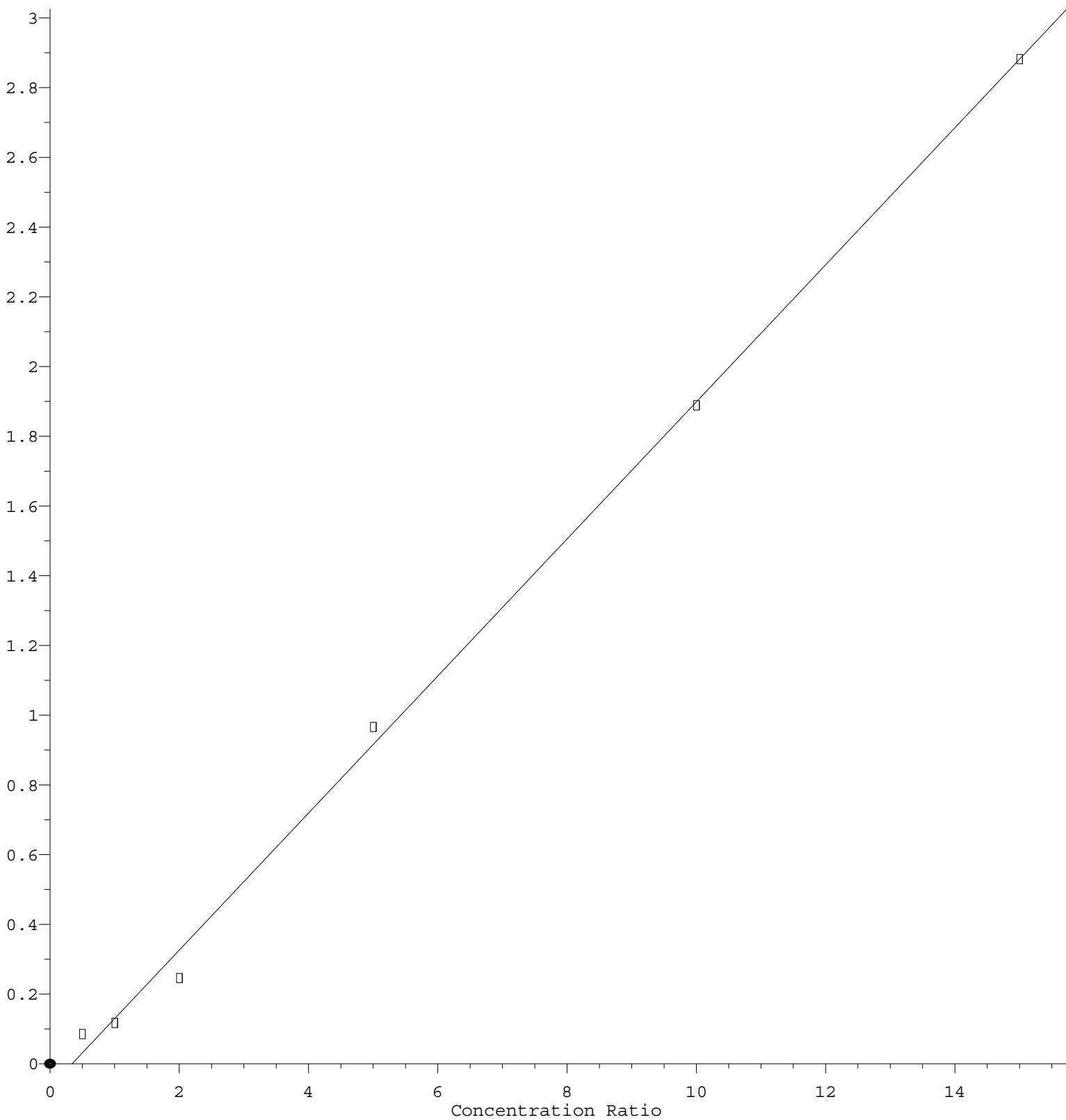
Coef of Det (r^2) = 0.996381 Curve Fit: Linear

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2-Chloroethyl Vinyl ether

Response Ratio



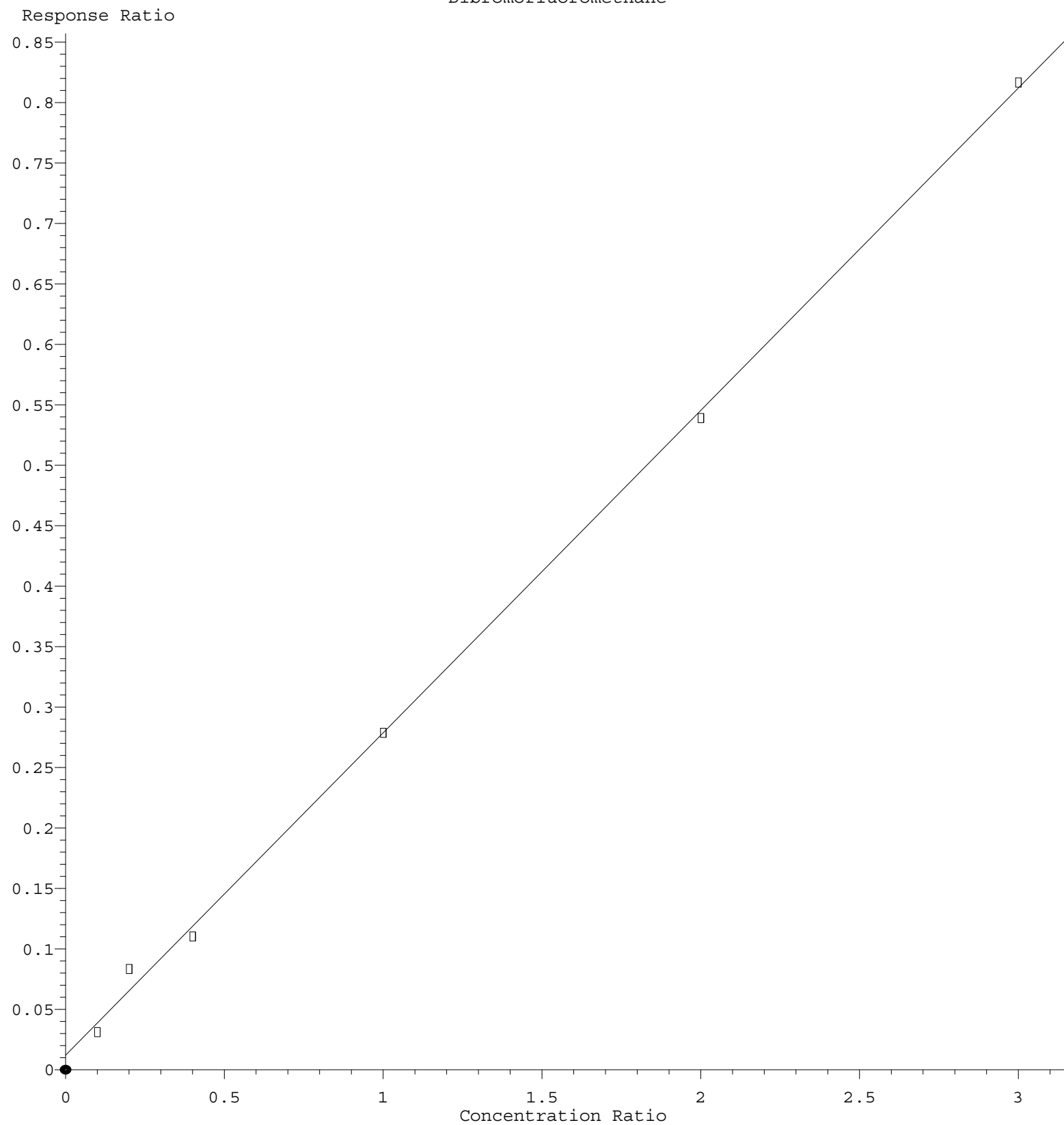
$$\text{Response} = 1.966\text{e-}001 * \text{Amt} - 6.667\text{e-}002$$

Coef of Det (r^2) = 0.998133 Curve Fit: Linear

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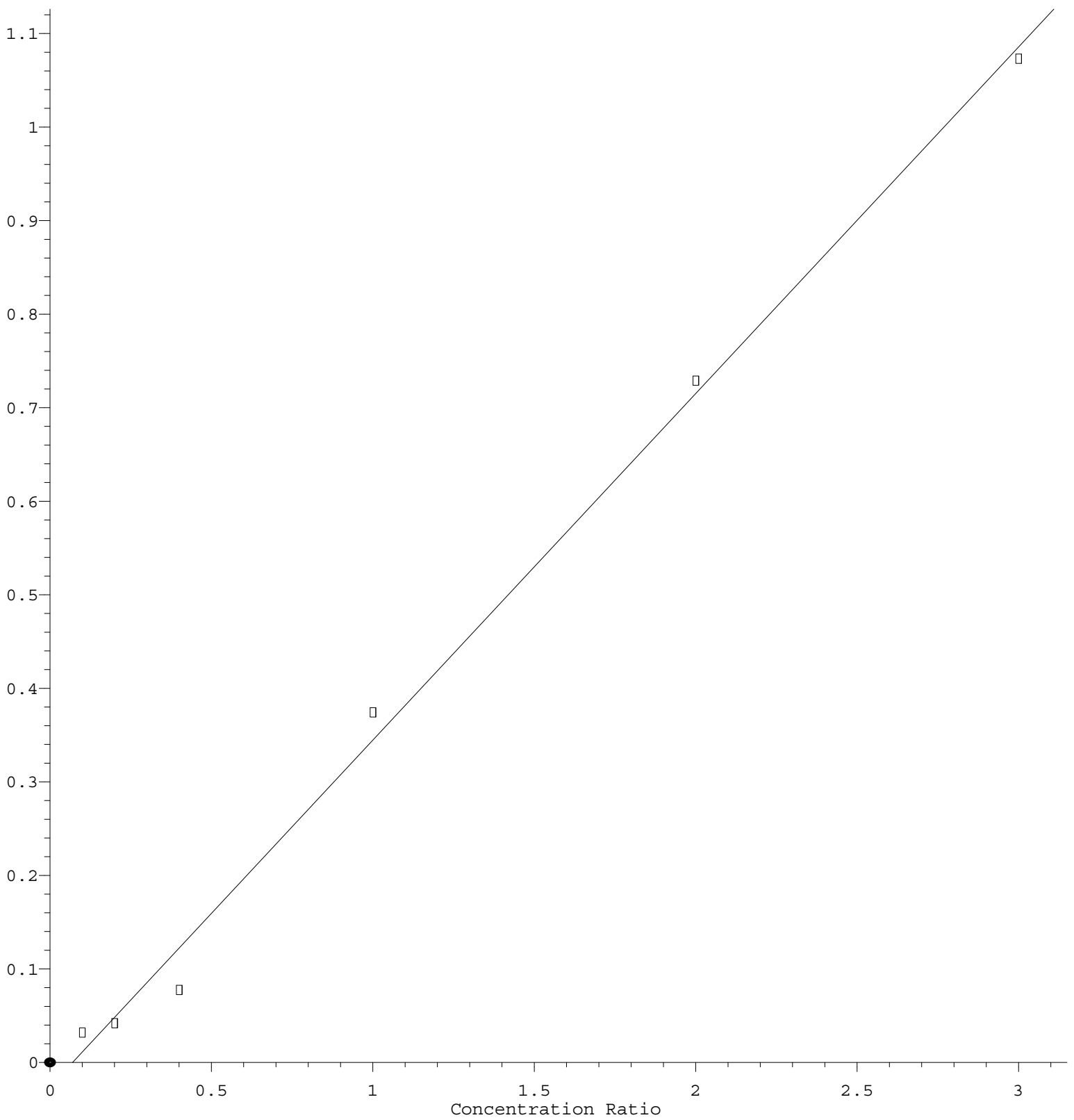
Dibromofluoromethane



Response = 2.667e-001 * Amt + 1.201e-002
 Coef of Det (r^2) = 0.998929 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y101722S.M
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Bromochloromethane

Response Ratio



$$\text{Response} = 3.708\text{e-}001 * \text{Amt} - 2.610\text{e-}002$$

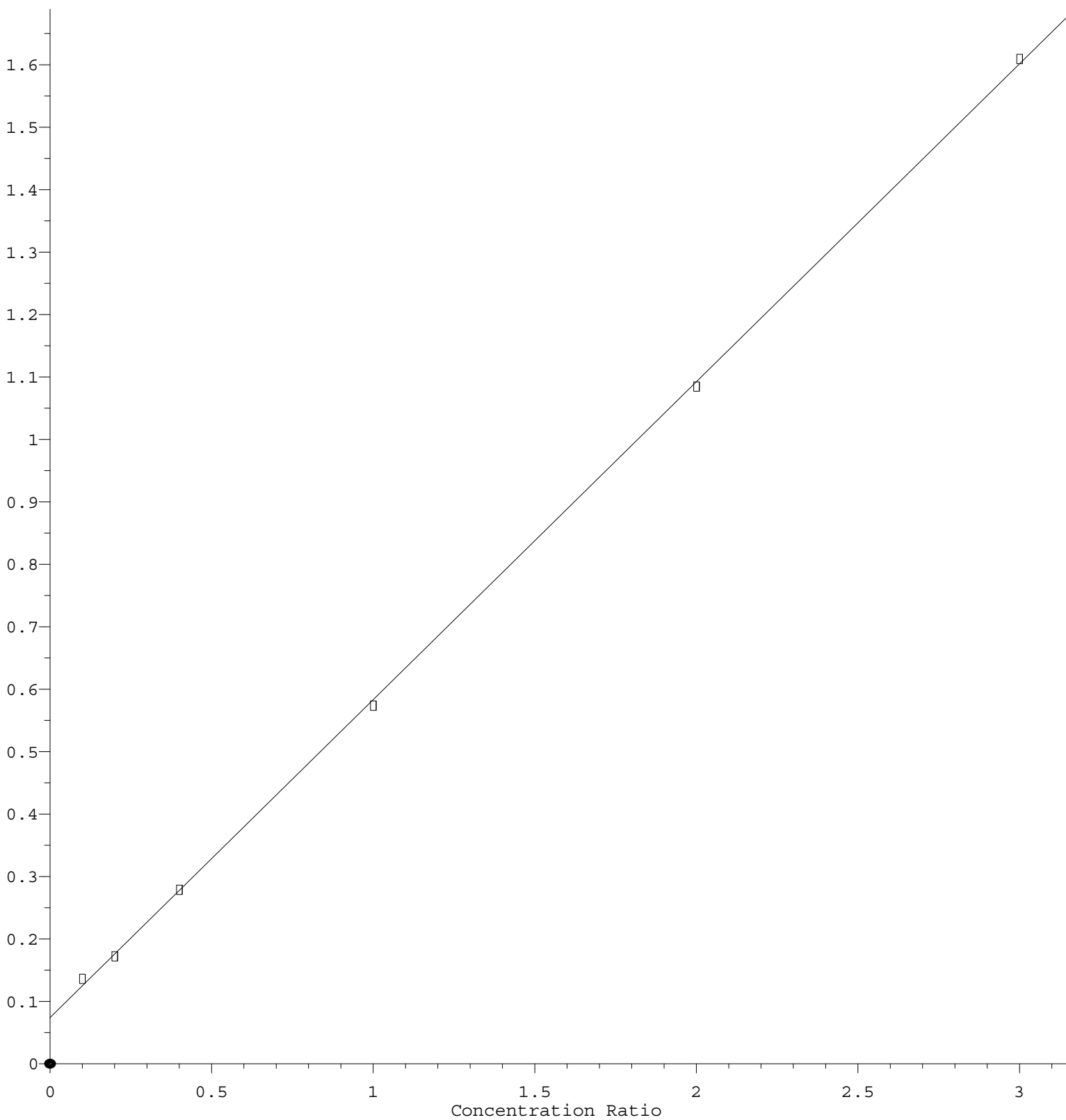
Coef of Det (r^2) = 0.996001 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 5.092\text{e-}001 * \text{Amt} + 7.365\text{e-}002$$

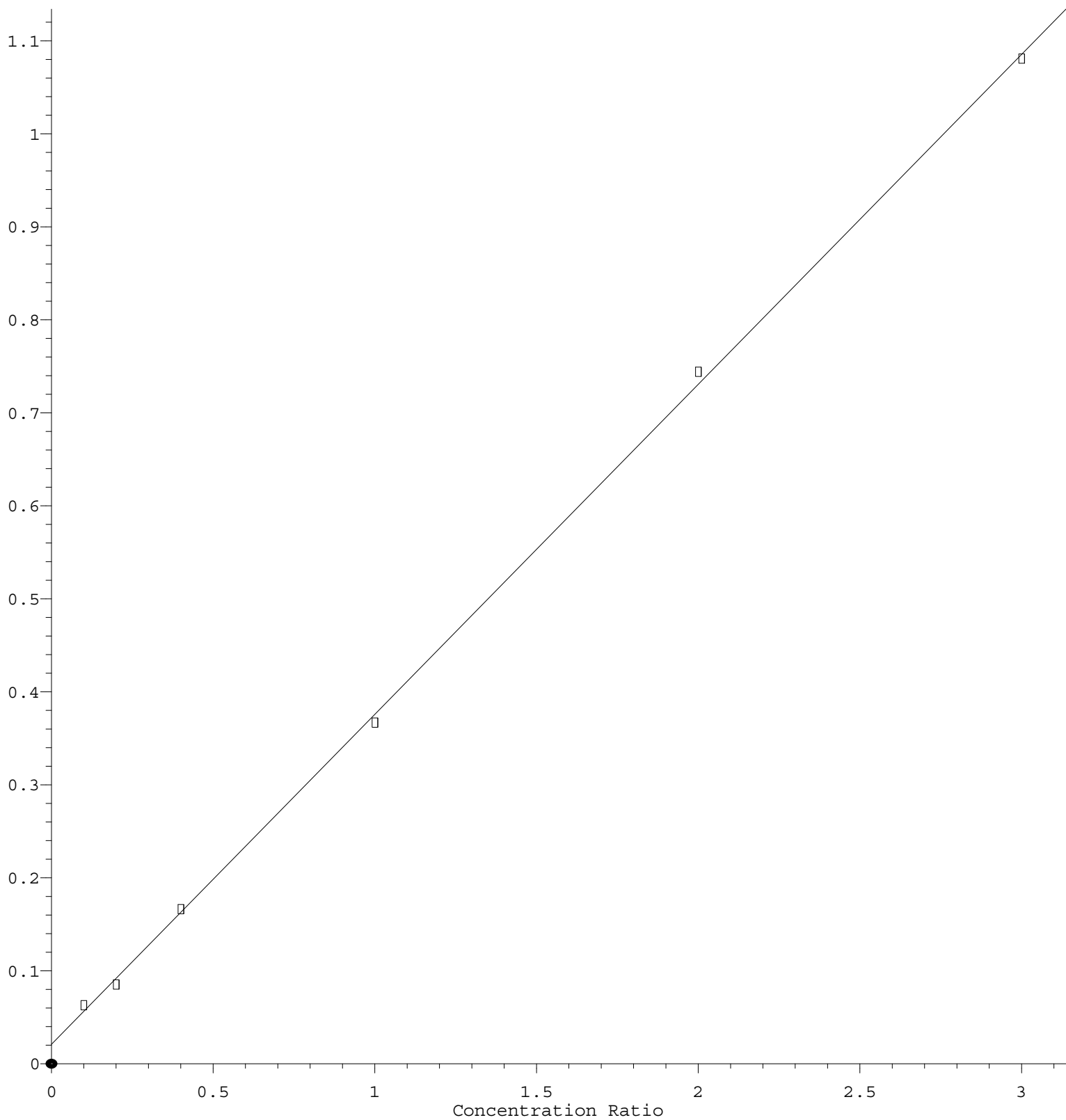
Coef of Det (r^2) = 0.999798 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y101722S.M

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Methyl Acetate

Response Ratio



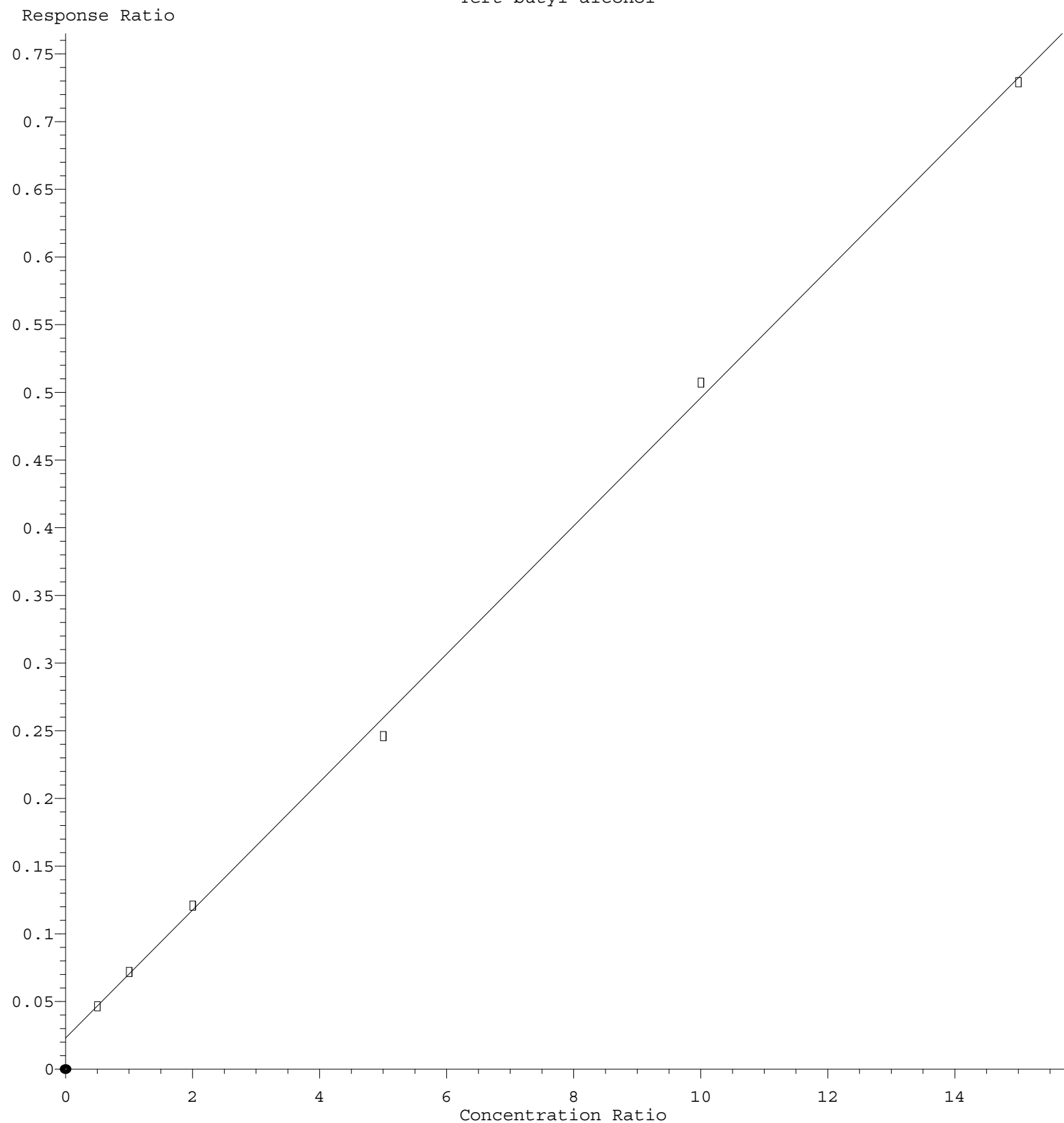
$$\text{Response} = 3.550\text{e-}001 * \text{Amt} + 2.121\text{e-}002$$

Coef of Det (r^2) = 0.999554 Curve Fit: Linear

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Tert butyl alcohol



Response = $4.735e-002 * Amt + 2.250e-002$
 Coef of Det (r^2) = 0.999125 Curve Fit: Linear
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