

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D021822S.M
 Title : SW846 8260
 Last Update : Sat Feb 19 04:05:38 2022
 Response Via : Initial Calibration

Calibration Files

10 =VD072017.D 5 =VD072016.D 20 =VD072018.D 50 =VD072019.D 100 =VD072020.D 150 =VD072021.D

Compound		10	5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.510	0.555	0.478	0.435	0.428	0.422	0.471	11.28
3) P	Chloromethane	0.411	0.584	0.412	0.409	0.427	0.431	0.446	15.34
4) C	Vinyl Chloride	0.414	0.546	0.385	0.398	0.408	0.403	0.426	14.05#
5) T	Bromomethane	0.298	0.425	0.269	0.264	0.266	0.257	0.297	21.79
6) T	Chloroethane	0.257	0.338	0.252	0.258	0.258	0.252	0.269	12.64
7) T	Trichlorofluor...	0.826	0.983	0.812	0.780	0.779	0.762	0.823	9.91
8) T	Diethyl Ether	0.208	0.253	0.227	0.231	0.240	0.249	0.235	6.91
9) T	1,1,2-Trichlor...	0.536	0.583	0.515	0.497	0.484	0.473	0.514	7.86
10) T	Methyl Iodide	0.377	0.454	0.451	0.572	0.598	0.586	0.506	18.03
11) T	Tert butyl alc...	0.028	0.037	0.031	0.026	0.026	0.029	0.030	13.29
12) CM	1,1-Dichloroet...	0.435	0.552	0.415	0.448	0.447	0.445	0.457	10.56#
13) T	Acrolein	0.054	0.064	0.065	0.051	0.055	0.060	0.058	9.99
14) T	Allyl chloride	0.727	0.868	0.749	0.803	0.821	0.836	0.801	6.69
15) T	Acrylonitrile	0.117	0.127	0.137	0.122	0.125	0.133	0.127	5.76
16) T	Acetone	0.107	0.139	0.110	0.107	0.103	0.108	0.112	11.75
17) T	Carbon Disulfide	1.045	1.930	1.005	1.303	1.301	1.274	1.310	25.30
18) T	Methyl Acetate	0.284	0.482	0.335	0.263	0.269	0.288	0.320	26.01
19) T	Methyl tert-bu...	0.999	1.101	1.120	1.108	1.140	1.200	1.112	5.87
20) T	Methylene Chlo...	0.553	0.698	0.534	0.524	0.517	0.521	0.558	12.52
21) T	trans-1,2-Dich...	0.483	0.594	0.465	0.511	0.517	0.510	0.513	8.61
22) T	Diisopropyl ether	1.583	1.634	1.686	1.685	1.704	1.741	1.672	3.33
23) T	Vinyl Acetate	0.759	0.736	0.870	0.946	0.994	1.053	0.893	14.32
24) P	1,1-Dichloroet...	0.993	1.098	0.977	0.962	0.968	0.971	0.995	5.18
25) T	2-Butanone	0.140	0.163	0.162	0.148	0.153	0.163	0.155	6.19
26) T	2,2-Dichloropr...	0.786	0.879	0.766	0.776	0.787	0.782	0.796	5.21
27) T	cis-1,2-Dichlo...	0.546	0.632	0.568	0.588	0.597	0.599	0.588	4.98
28) T	Bromochloromet...	0.402	0.430	0.407	0.433	0.432	0.440	0.424	3.68
29) T	Tetrahydrofuran	0.085	0.102	0.105	0.095	0.100	0.106	0.099	7.84
30) C	Chloroform	1.017	1.144	1.006	0.992	0.985	0.984	1.021	6.00#
31) T	Cyclohexane	0.860	1.185	0.824	0.877	0.887	0.863	0.916	14.59
32) T	1,1,1-Trichlor...	0.867	0.989	0.866	0.848	0.862	0.843	0.879	6.25
33) S	1,2-Dichloroet...	0.471	0.556	0.502	0.561	0.489	0.533	0.519	7.09
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.276	0.319	0.299	0.330	0.283	0.311	0.303	6.90
36) T	1,1-Dichloropr...	0.430	0.530	0.425	0.459	0.457	0.453	0.459	8.20
37) T	Ethyl Acetate	0.186	0.236	0.219	0.206	0.206	0.224	0.213	8.29
38) T	Carbon Tetrach...	0.457	0.517	0.459	0.466	0.464	0.459	0.470	4.87
39) T	Methylcyclohexane	0.453	0.611	0.485	0.553	0.562	0.558	0.537	10.70
40) TM	Benzene	1.235	1.438	1.221	1.304	1.285	1.286	1.295	5.96
41) T	Methacrylonitrile	0.104	0.141	0.148	0.121	0.143	0.135	0.132	12.49
42) TM	1,2-Dichloroet...	0.375	0.421	0.382	0.380	0.379	0.393	0.388	4.44
43) T	Isopropyl Acetate	0.352	0.401	0.407	0.387	0.395	0.434	0.396	6.81
44) TM	Trichloroethene	0.349	0.397	0.332	0.349	0.345	0.345	0.353	6.42
45) C	1,2-Dichloropr...	0.332	0.376	0.342	0.339	0.339	0.344	0.345	4.56#
46) T	Dibromomethane	0.168	0.201	0.187	0.177	0.177	0.184	0.182	6.24
47) T	Bromodichlorom...	0.462	0.497	0.475	0.462	0.459	0.467	0.470	3.04
48) T	Methyl methacr...	0.171	0.205	0.198	0.200	0.207	0.220	0.200	8.14
49) T	1,4-Dioxane	0.002	0.003	0.002	0.002	0.002	0.002	0.002	10.24
50) S	Toluene-d8	0.984	1.092	1.044	1.286	1.126	1.209	1.123	9.79
51) T	4-Methyl-2-Pen...	0.186	0.200	0.226	0.208	0.213	0.227	0.210	7.51
52) CM	Toluene	0.765	0.891	0.785	0.845	0.843	0.843	0.829	5.56#
53) T	t-1,3-Dichloro...	0.386	0.438	0.426	0.433	0.434	0.464	0.430	5.89
54) T	cis-1,3-Dichlo...	0.464	0.534	0.500	0.506	0.508	0.541	0.509	5.33
55) T	1,1,2-Trichlor...	0.248	0.264	0.262	0.253	0.250	0.262	0.257	2.74
56) T	Ethyl methacry...	0.264	0.277	0.305	0.311	0.330	0.351	0.306	10.56

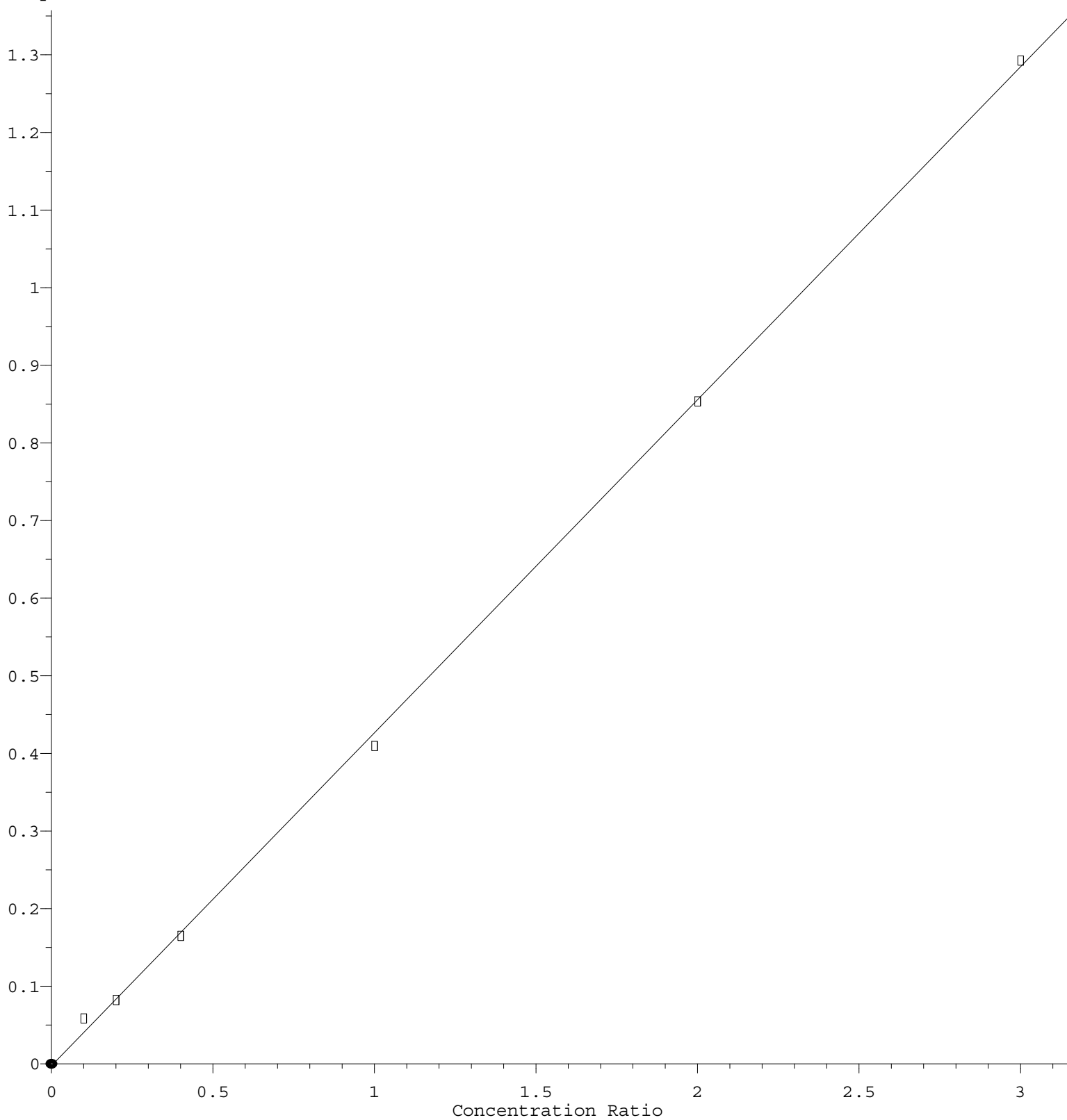
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57)	T	1,3-Dichloropr...	0.410	0.463	0.451	0.443	0.440	0.454	0.443	4.12
58)	T	2-Chloroethyl ...	0.123	0.141	0.139	0.133	0.141	0.146	0.137	6.00
59)	T	2-Hexanone	0.124	0.141	0.150	0.141	0.148	0.155	0.143	7.51
60)	T	Dibromochlorom...	0.313	0.342	0.325	0.313	0.308	0.321	0.320	3.84
61)	T	1,2-Dibromoethane	0.226	0.264	0.249	0.236	0.243	0.253	0.245	5.45
62)	S	4-Bromofluorob...	0.378	0.417	0.403	0.449	0.393	0.435	0.413	6.41
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.294	0.379	0.293	0.311	0.311	0.306	0.316	10.09
65)	PM	Chlorobenzene	0.947	1.046	0.957	0.954	0.957	0.953	0.969	3.92
66)	T	1,1,1,2-Tetrac...	0.359	0.373	0.363	0.355	0.355	0.353	0.360	2.08
67)	C	Ethyl Benzene	1.607	1.755	1.633	1.749	1.752	1.729	1.704	3.90#
68)	T	m/p-Xylenes	0.605	0.669	0.632	0.673	0.671	0.663	0.652	4.22
69)	T	o-Xylene	0.559	0.609	0.594	0.636	0.640	0.643	0.614	5.38
70)	T	Styrene	0.981	0.982	1.045	1.099	1.111	1.101	1.053	5.71
71)	P	Bromoform	0.197	0.223	0.215	0.194	0.201	0.209	0.206	5.36
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.233	3.335	3.320	3.537	3.590	3.583	3.433	4.52
74)	T	N-amyl acetate	0.714	0.798	0.818	0.814	0.881	0.948	0.829	9.56
75)	P	1,1,2,2-Tetrac...	0.661	0.736	0.720	0.635	0.642	0.679	0.679	6.07
76)	T	1,2,3-Trichlor...	0.500	0.483	0.554	0.413	0.427	0.464	0.474	10.82
77)	T	Bromobenzene	0.763	0.829	0.791	0.812	0.806	0.822	0.804	2.96
78)	T	n-propylbenzene	4.078	4.067	4.118	4.359	4.390	4.306	4.220	3.50
79)	T	2-Chlorotoluene	2.380	2.420	2.413	2.462	2.487	2.492	2.442	1.84
80)	T	1,3,5-Trimethy...	2.780	2.709	2.861	2.930	2.967	2.953	2.867	3.63
81)	T	trans-1,4-Dich...	0.164	0.192	0.190	0.185	0.191	0.212	0.189	8.10
82)	T	4-Chlorotoluene	2.509	2.584	2.492	2.541	2.567	2.558	2.542	1.40
83)	T	tert-Butylbenzene	2.324	2.292	2.431	2.570	2.586	2.574	2.463	5.40
84)	T	1,2,4-Trimethy...	2.719	2.635	2.838	2.903	2.921	2.892	2.818	4.11
85)	T	sec-Butylbenzene	3.678	3.576	3.749	3.856	3.857	3.796	3.752	2.92
86)	T	p-Isopropyltol...	2.919	2.926	3.093	3.205	3.235	3.139	3.086	4.41
87)	T	1,3-Dichlorobe...	1.611	1.686	1.628	1.624	1.611	1.591	1.625	2.00
88)	T	1,4-Dichlorobe...	1.660	1.778	1.630	1.565	1.576	1.587	1.633	4.89
89)	T	n-Butylbenzene	2.856	2.763	2.939	3.012	3.063	2.974	2.934	3.72
90)	T	Hexachloroethane	0.623	0.632	0.616	0.608	0.619	0.619	0.619	1.29
91)	T	1,2-Dichlorobe...	1.407	1.476	1.438	1.421	1.402	1.406	1.425	1.97
92)	T	1,2-Dibromo-3-...	0.102	0.107	0.112	0.101	0.104	0.109	0.106	3.99
93)	T	1,2,4-Trichlor...	0.849	0.866	0.881	0.876	0.895	0.885	0.875	1.85
94)	T	Hexachlorobuta...	0.470	0.491	0.505	0.487	0.472	0.463	0.481	3.32
95)	T	Naphthalene	1.364	1.351	1.626	1.616	1.739	1.839	1.589	12.40
96)	T	1,2,3-Trichlor...	0.753	0.675	0.785	0.757	0.781	0.779	0.755	5.46

(#) = Out of Range

Chloromethane

Response Ratio



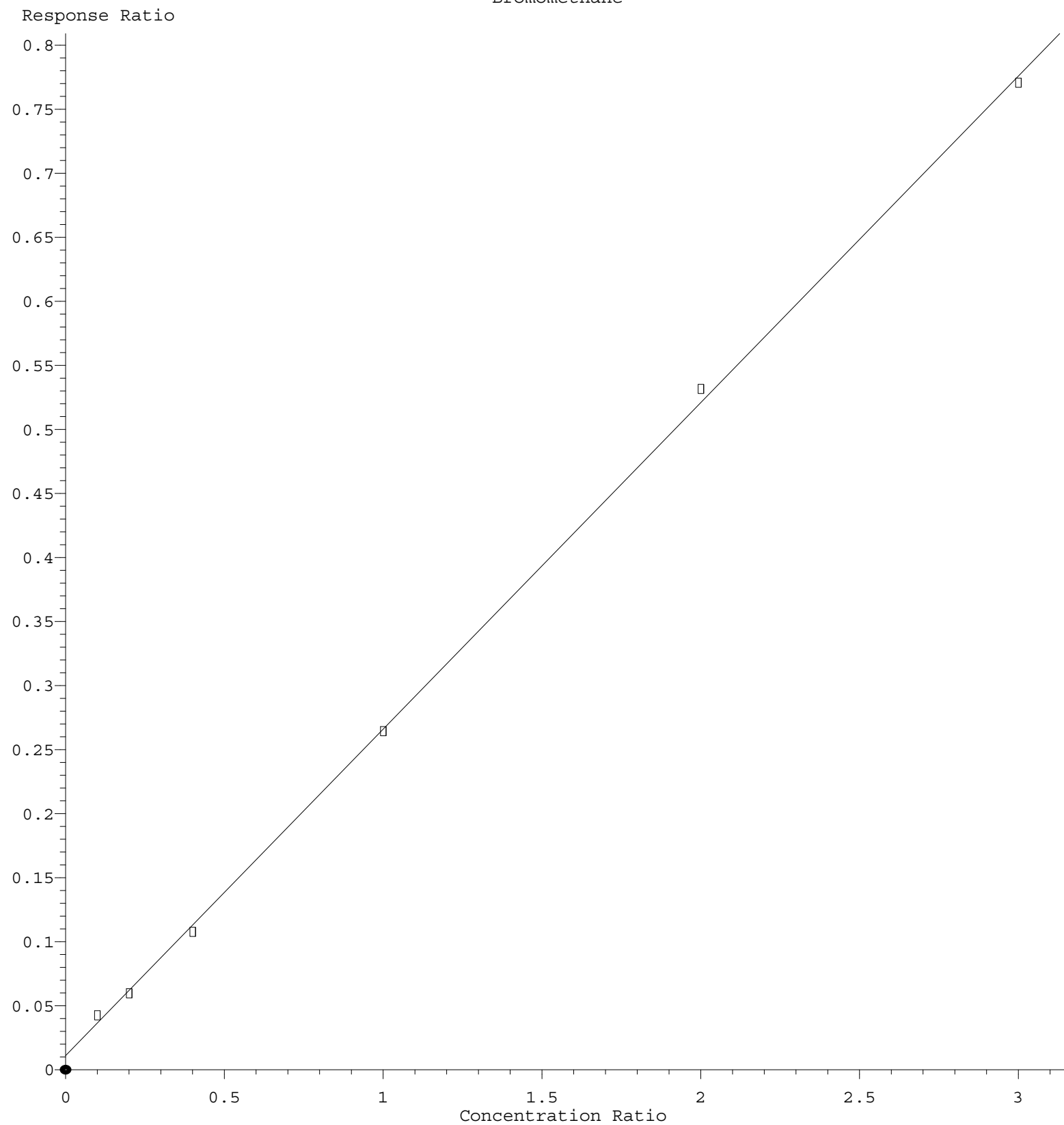
$$\text{Response} = 4.291\text{e-}001 * \text{Amt} - 2.375\text{e-}003$$

Coef of Det (r^2) = 0.999435 Curve Fit: Linear

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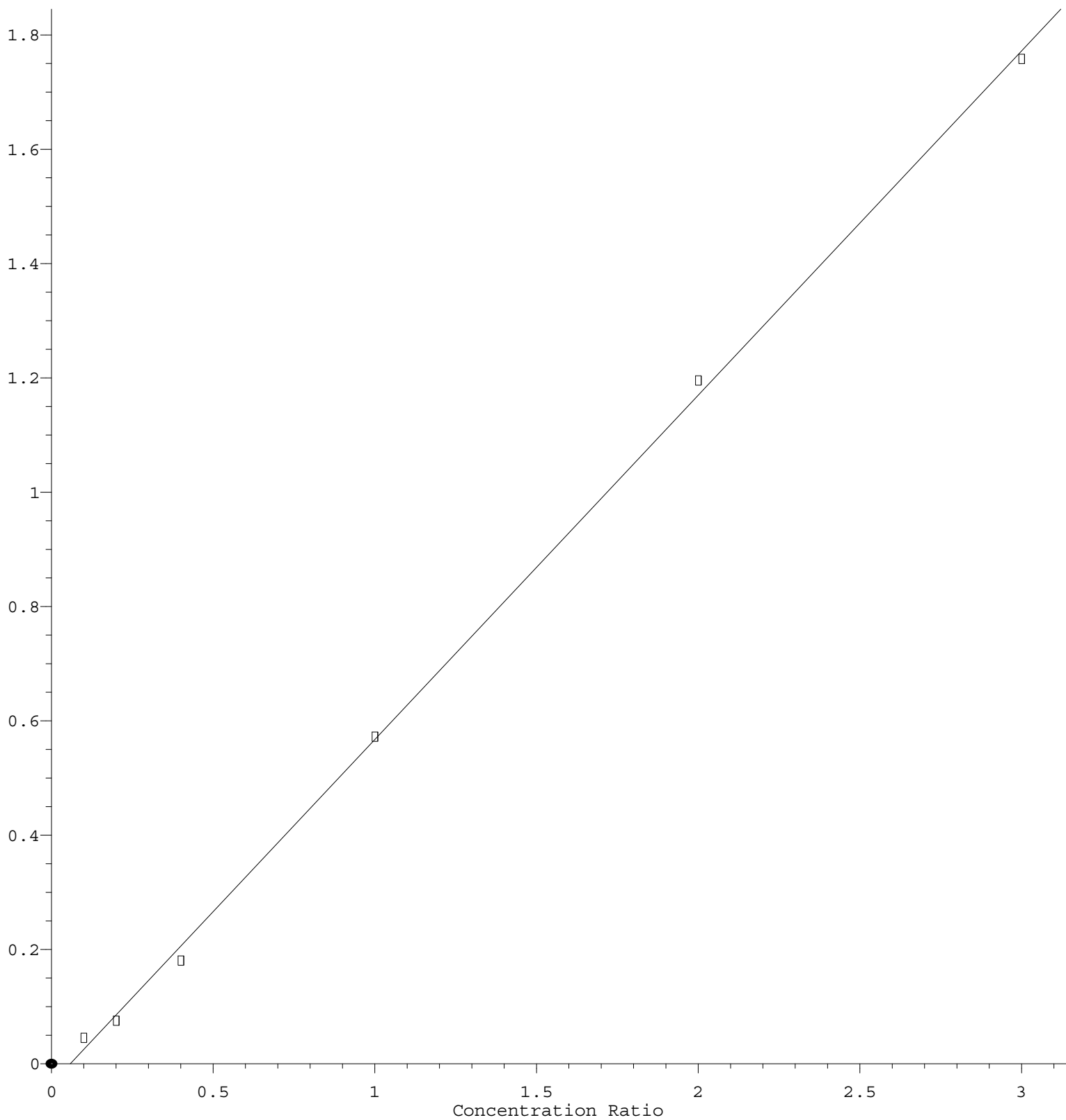
Bromomethane



Response = 2.549e-001 * Amt + 1.147e-002
 Coef of Det (r^2) = 0.999513 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D021822S.M
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Methyl Iodide

Response Ratio



$$\text{Response} = 6.027\text{e-}001 * \text{Amt} - 3.525\text{e-}002$$

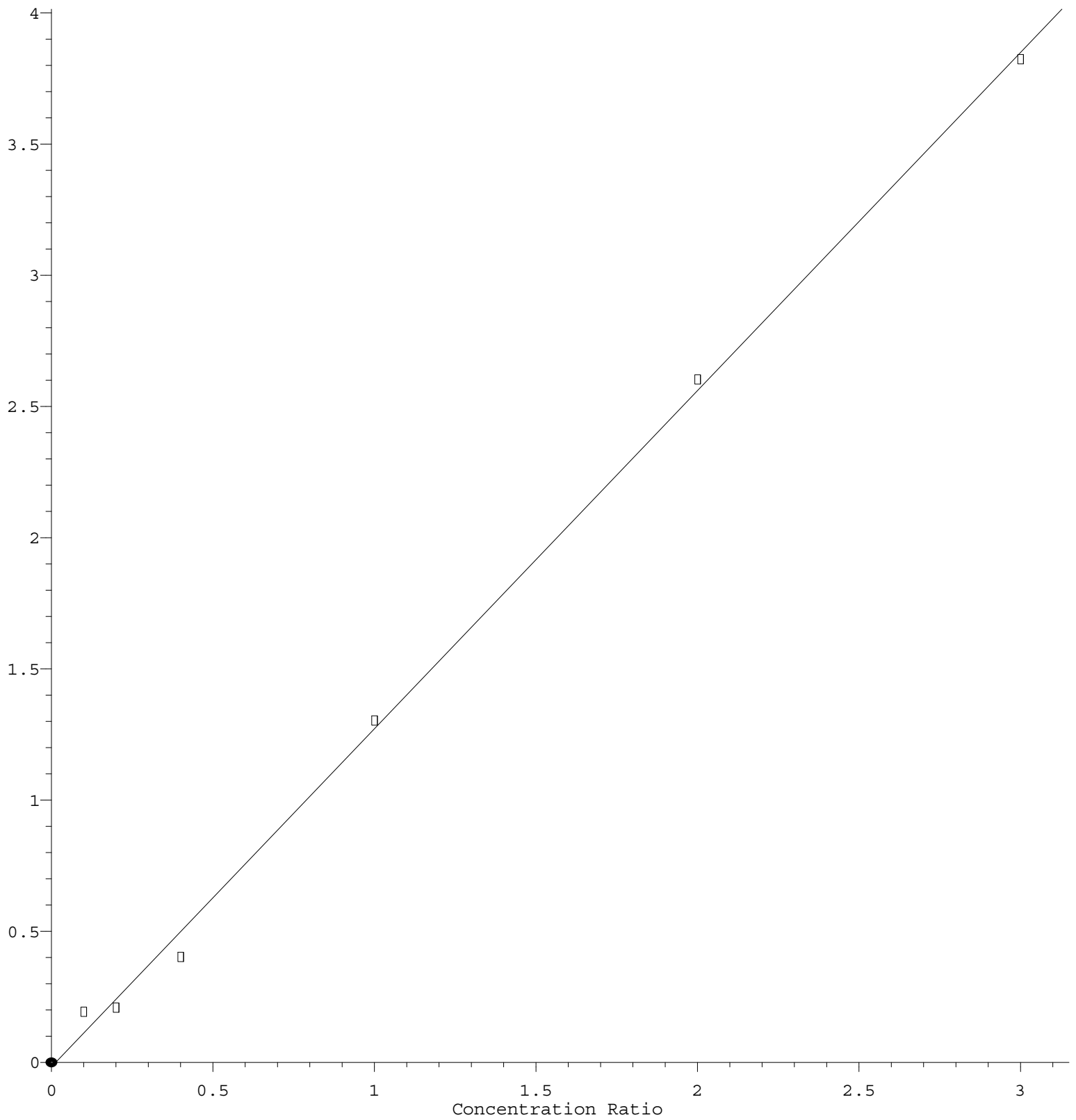
Coef of Det (r^2) = 0.999170 Curve Fit: Linear

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Carbon Disulfide

Response Ratio



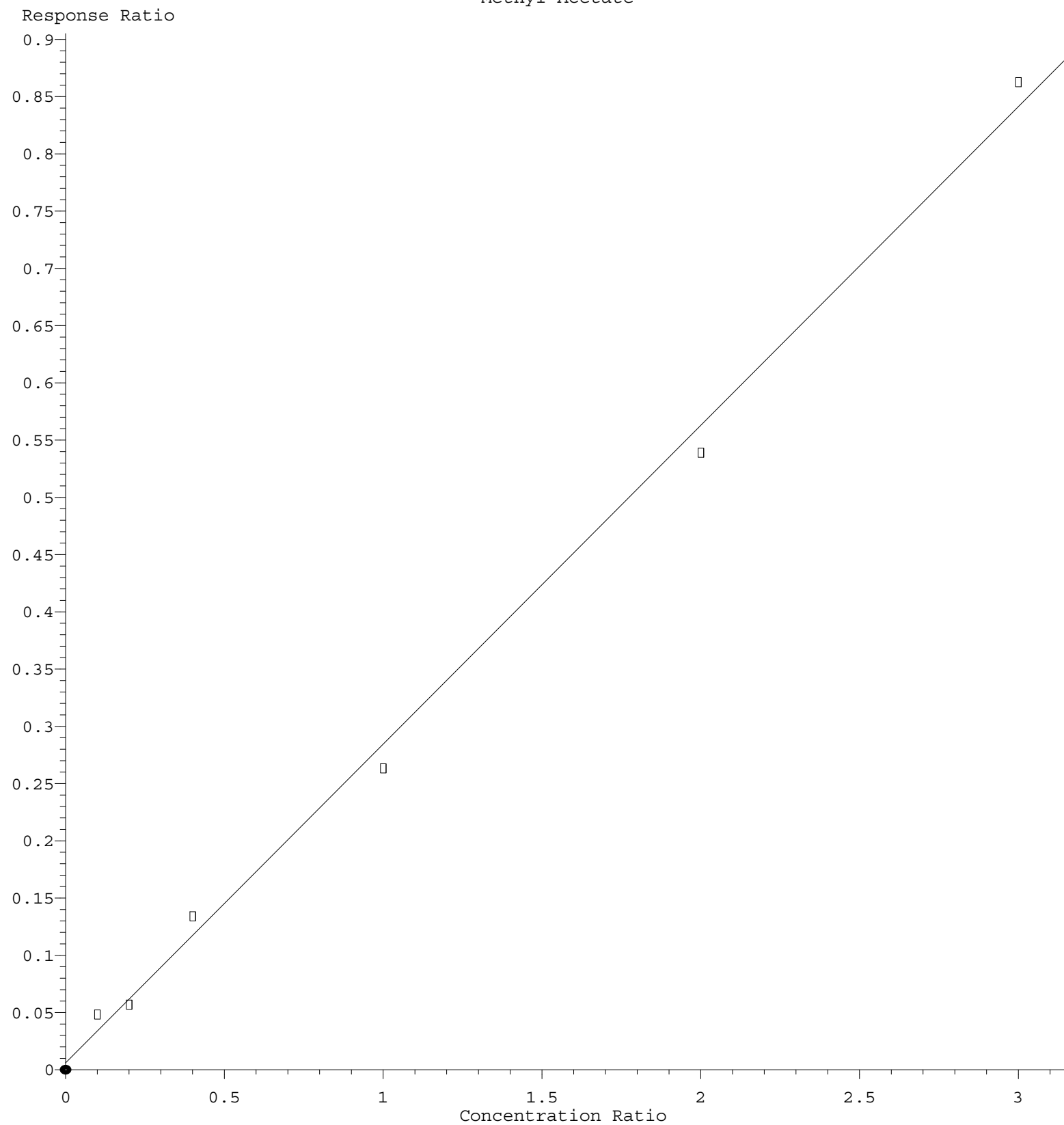
$$\text{Response} = 1.289\text{e}+000 * \text{Amt} - 1.704\text{e}-002$$

Coef of Det (r^2) = 0.998184 Curve Fit: Linear

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Methyl Acetate



Response = 2.783e-001 * Amt + 6.494e-003
Coef of Det (r^2) = 0.996207 Curve Fit: Linear
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