

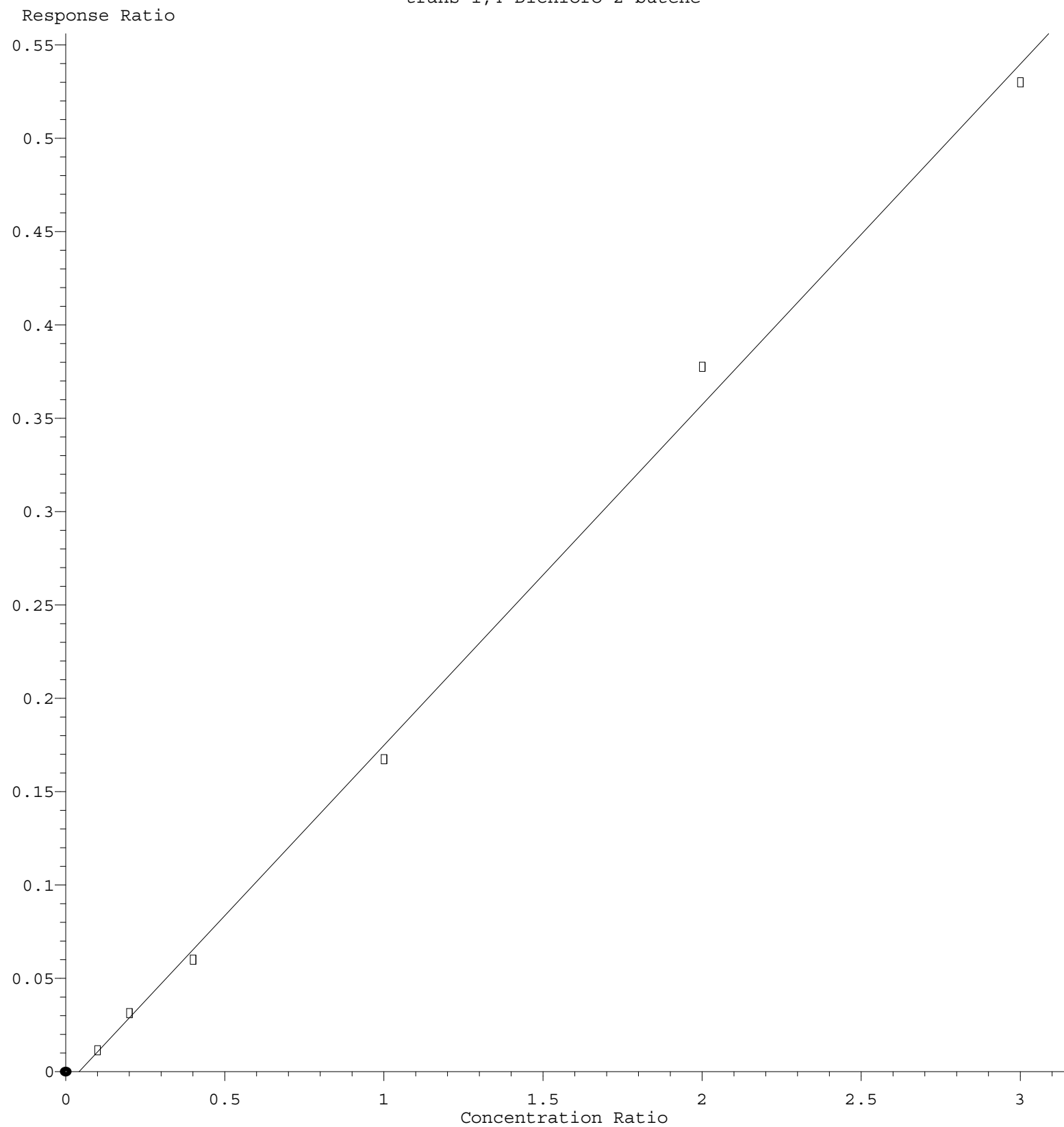
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D020723S.M
 Title : SW846 8260
 Last Update : Wed Feb 08 04:26:58 2023
 Response Via : Initial Calibration

Calibration Files

10 =VD075255.D 5 =VD075254.D 20 =VD075256.D 50 =VD075257.D 100 =VD075258.D 150 =VD075259.D

	Compound	10	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.518	0.531	0.503	0.408	0.372	0.388	0.453	15.76
3) P	Chloromethane	0.990	1.109	0.879	0.702	0.652	0.639	0.829	23.55
4) C	Vinyl Chloride	0.870	1.001	0.862	0.795	0.730	0.733	0.832	12.35#
5) T	Bromomethane	0.579	0.656	0.553	0.458	0.461	0.487	0.532	14.70
6) T	Chloroethane	0.635	0.647	0.593	0.532	0.521	0.515	0.574	10.33
7) T	Trichlorofluor...	1.072	1.158	1.099	0.990	0.929	0.958	1.034	8.63
8) T	Diethyl Ether	0.277	0.297	0.279	0.275	0.276	0.265	0.278	3.77
9) T	1,1,2-Trichlor...	0.578	0.651	0.609	0.579	0.539	0.566	0.587	6.54
10) T	Methyl Iodide	0.550	0.497	0.634	0.711	0.725	0.740	0.643	15.68
11) T	Tert butyl alc...	0.042	0.049	0.040	0.030	0.034	0.029	0.037	20.37
12) CM	1,1-Dichloroet...	0.582	0.587	0.580	0.545	0.526	0.538	0.560	4.72#
13) T	Acrolein	0.031	0.030	0.029	0.016	0.016	0.015	0.023	33.99
14) T	Allyl chloride	0.961	0.975	0.936	0.882	0.916	0.917	0.931	3.63
15) T	Acrylonitrile	0.134	0.136	0.132	0.128	0.137	0.122	0.131	4.32
16) T	Acetone	0.150	0.142	0.147	0.167	0.170	0.155	0.155	7.28
17) T	Carbon Disulfide	1.813	2.045	1.796	1.623	1.539	1.543	1.726	11.38
18) T	Methyl Acetate	0.426	0.576	0.455	0.399	0.439	0.381	0.446	15.49
19) T	Methyl tert-bu...	1.268	1.315	1.296	1.274	1.309	1.247	1.285	2.03
20) T	Methylene Chlo...	0.946	1.203	0.766	0.675	0.625	0.594	0.801	29.20
21) T	trans-1,2-Dich...	0.669	0.640	0.659	0.628	0.609	0.594	0.633	4.58
22) T	Diisopropyl ether	1.824	1.862	1.859	1.873	1.866	1.828	1.852	1.11
23) T	Vinyl Acetate	0.472	0.444	0.512	0.591	0.678	0.676	0.562	18.11
24) P	1,1-Dichloroet...	1.216	1.229	1.167	1.130	1.100	1.085	1.155	5.18
25) T	2-Butanone	0.194	0.192	0.189	0.195	0.199	0.184	0.192	2.79
26) T	2,2-Dichloropr...	1.025	1.072	1.033	1.015	0.981	1.007	1.022	2.96
27) T	cis-1,2-Dichlo...	0.732	0.722	0.746	0.693	0.687	0.671	0.708	4.09
28) T	Bromochloromet...	0.363	0.392	0.350	0.284	0.286	0.269	0.324	15.66
29) T	Tetrahydrofuran	0.098	0.106	0.104	0.105	0.109	0.099	0.103	4.06
30) C	Chloroform	1.251	1.319	1.170	1.162	1.125	1.104	1.188	6.84#
31) T	Cyclohexane	1.096	1.261	1.037	0.976	0.911	0.966	1.041	12.03
32) T	1,1,1-Trichlor...	1.118	1.097	1.058	1.056	1.017	1.033	1.063	3.59
33) S	1,2-Dichloroet...	0.638	0.663	0.608	0.539	0.550	0.520	0.586	9.95
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.358	0.369	0.361	0.342	0.340	0.334	0.351	3.96
36) T	1,1-Dichloropr...	0.553	0.549	0.547	0.556	0.530	0.542	0.546	1.65
37) T	Ethyl Acetate	0.245	0.257	0.246	0.222	0.243	0.216	0.238	6.70
38) T	Carbon Tetrach...	0.478	0.460	0.530	0.519	0.512	0.537	0.506	5.99
39) T	Methylcyclohexane	0.613	0.633	0.624	0.665	0.608	0.650	0.632	3.47
40) TM	Benzene	1.531	1.581	1.566	1.555	1.491	1.485	1.535	2.60
41) T	Methacrylonitrile	0.163	0.127	0.147	0.131	0.140	0.145	0.142	9.08
42) TM	1,2-Dichloroet...	0.451	0.449	0.459	0.445	0.436	0.427	0.444	2.52
43) T	Isopropyl Acetate	0.439	0.447	0.466	0.452	0.480	0.447	0.455	3.30
44) TM	Trichloroethene	0.418	0.444	0.430	0.426	0.413	0.407	0.423	3.13
45) C	1,2-Dichloropr...	0.373	0.437	0.377	0.391	0.383	0.378	0.390	6.14#
46) T	Dibromomethane	0.223	0.225	0.217	0.213	0.216	0.202	0.216	3.87
47) T	Bromodichlorom...	0.535	0.542	0.540	0.550	0.533	0.526	0.538	1.53
48) T	Methyl methacr...	0.189	0.221	0.208	0.226	0.234	0.218	0.216	7.31
49) T	1,4-Dioxane	0.001	0.001	0.002	0.002	0.002	0.002	0.002	29.40
50) S	Toluene-d8	1.401	1.336	1.390	1.291	1.287	1.272	1.330	4.18
51) T	4-Methyl-2-Pen...	0.214	0.217	0.228	0.239	0.251	0.231	0.230	6.07
52) CM	Toluene	0.968	0.935	0.958	1.006	0.964	0.970	0.967	2.40#
53) T	t-1,3-Dichloro...	0.440	0.425	0.448	0.486	0.502	0.493	0.466	6.91
54) T	cis-1,3-Dichlo...	0.523	0.513	0.552	0.582	0.584	0.586	0.557	5.87
55) T	1,1,2-Trichlor...	0.260	0.272	0.287	0.286	0.280	0.270	0.276	3.67
56) T	Ethyl methacry...	0.293	0.263	0.323	0.343	0.360	0.341	0.321	11.28

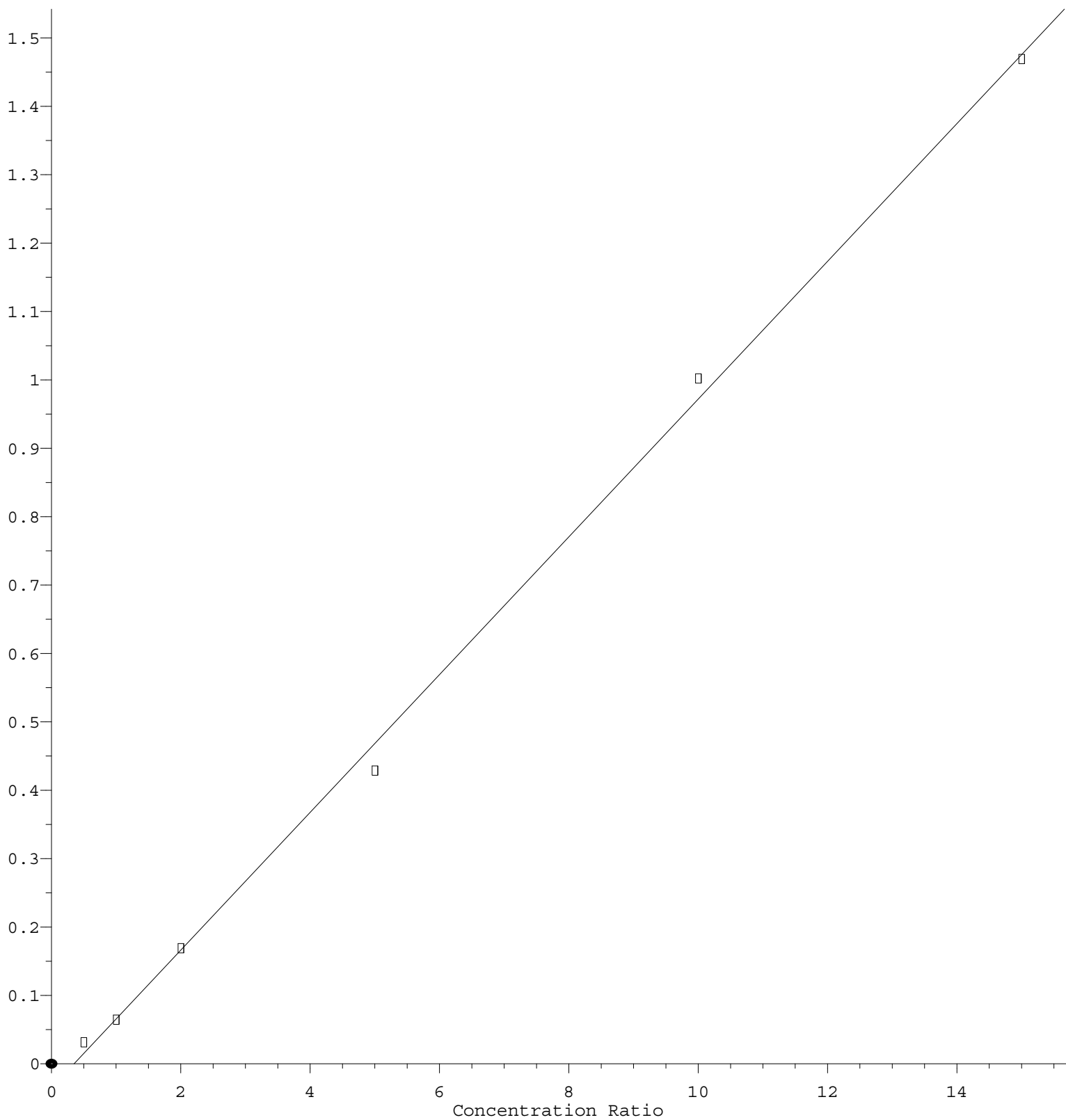
trans-1,4-Dichloro-2-butene



Response = $1.826 \times 10^{-1} \times \text{Amt} - 7.649 \times 10^{-3}$
Coef of Det (r^2) = 0.997345 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M
Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

2-Chloroethyl Vinyl ether

Response Ratio



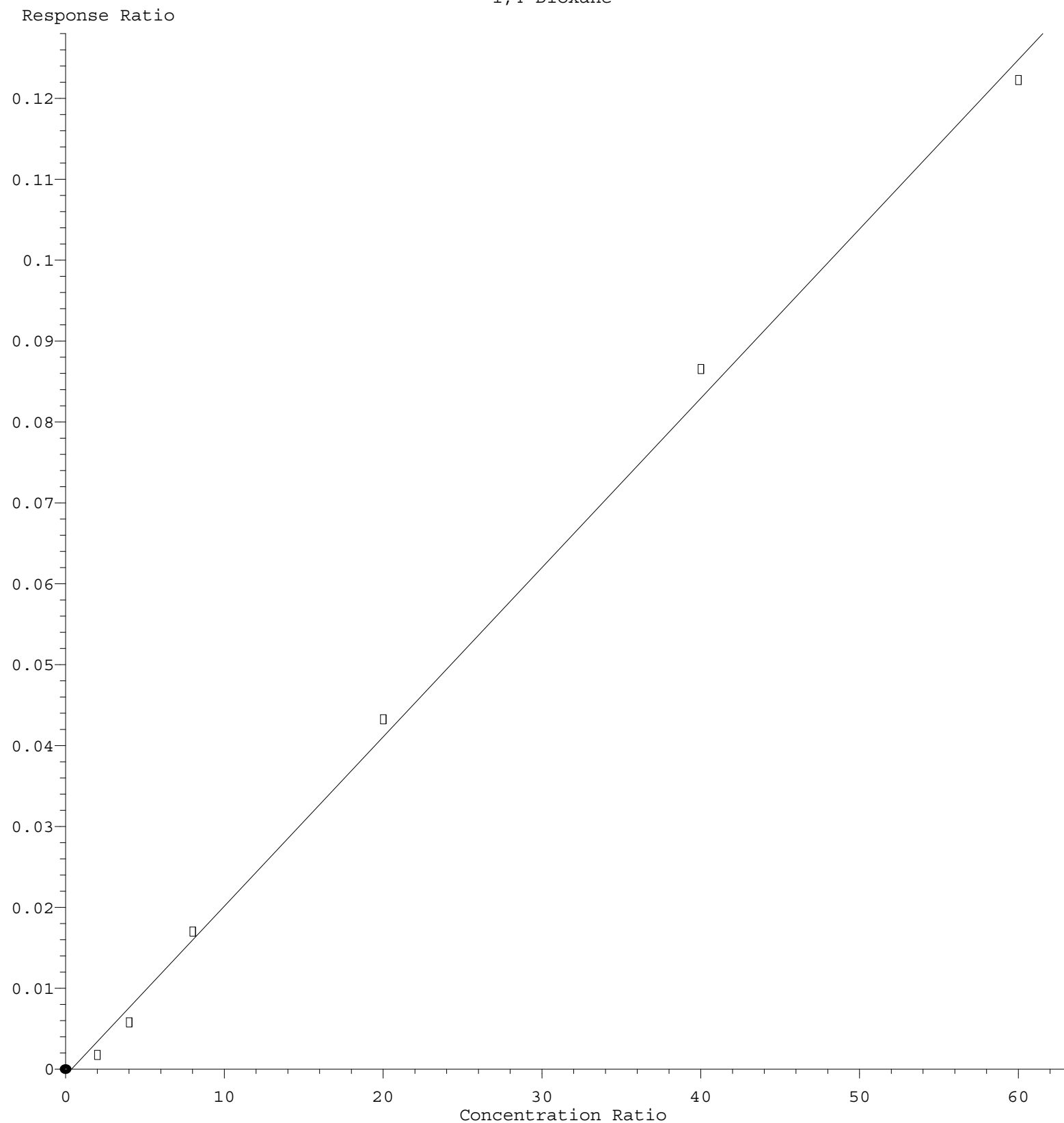
$$\text{Response} = 1.008\text{e-}001 * \text{Amt} - 3.513\text{e-}002$$

Coef of Det (r^2) = 0.998368 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M

Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

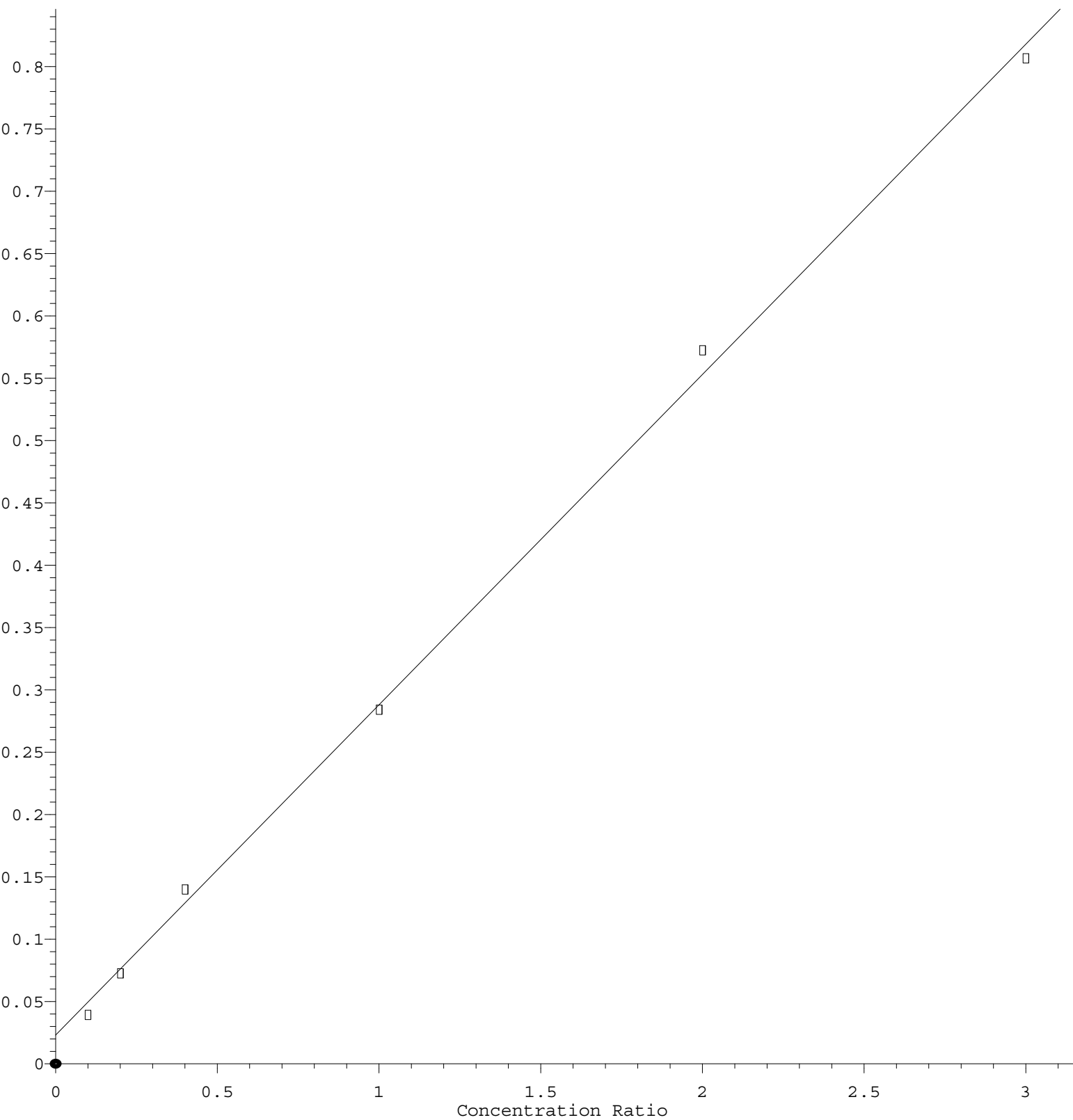
1,4-Dioxane



Response = $2.098 \times 10^{-3} \times \text{Amt} - 7.676 \times 10^{-4}$
 Coef of Det (r^2) = 0.997392 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M
 Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

Bromochloromethane

Response Ratio



$$\text{Response} = 2.653\text{e-}001 * \text{Amt} + 2.284\text{e-}002$$

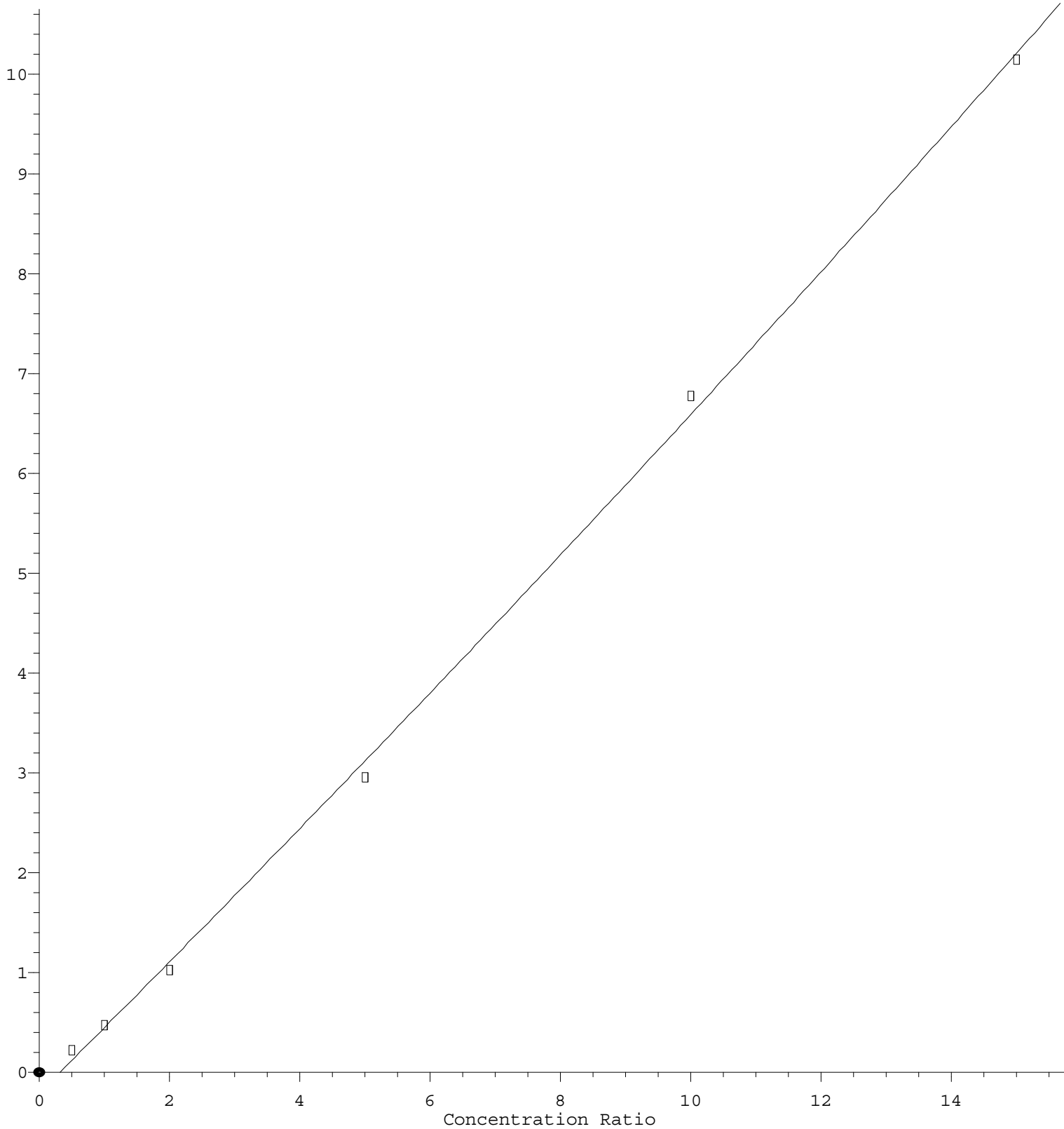
Coef of Det (r^2) = 0.998409 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M

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Vinyl Acetate

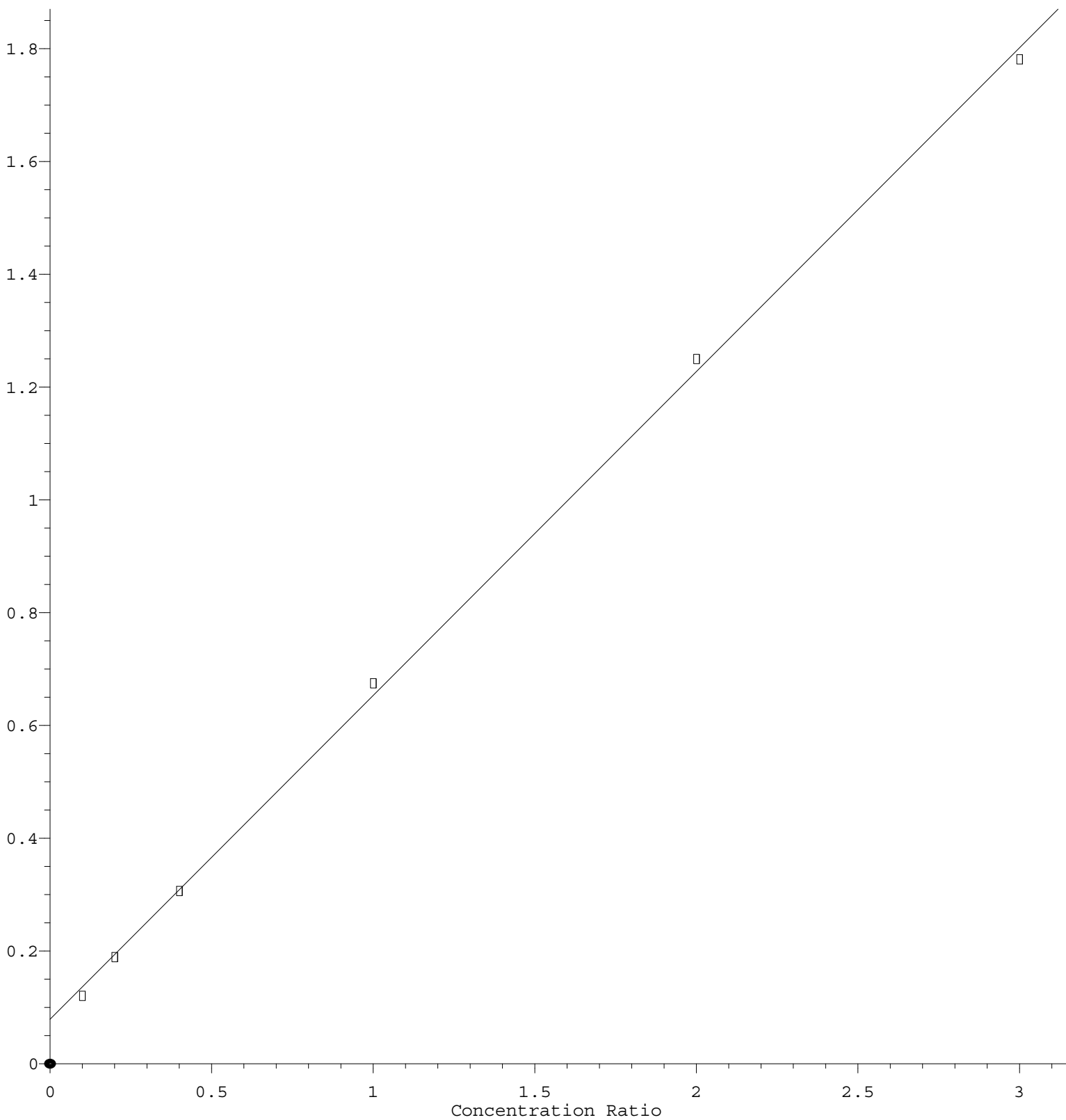
Response Ratio



$R = 2.961e-003 A^2 + 6.498e-001 A - 2.042e-001$
 Coef of Det (r^2) = 0.998979 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M
 Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

Methylene Chloride

Response Ratio



$$\text{Response} = 5.743\text{e-}001 * \text{Amt} + 7.883\text{e-}002$$

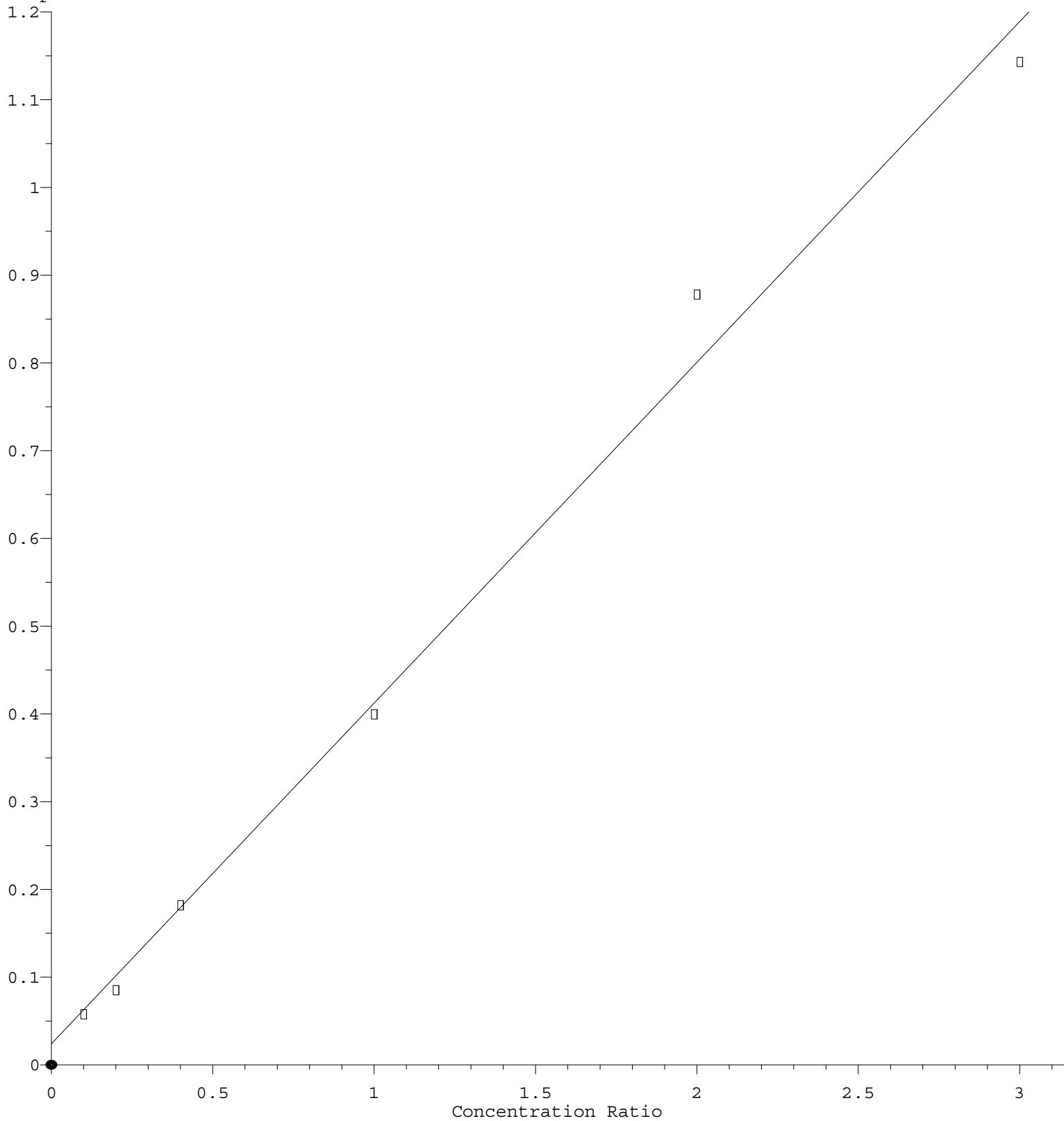
Coef of Det (r^2) = 0.999253 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M

Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

Methyl Acetate

Response Ratio



$$\text{Response} = 3.886\text{e-}001 * \text{Amt} + 2.356\text{e-}002$$

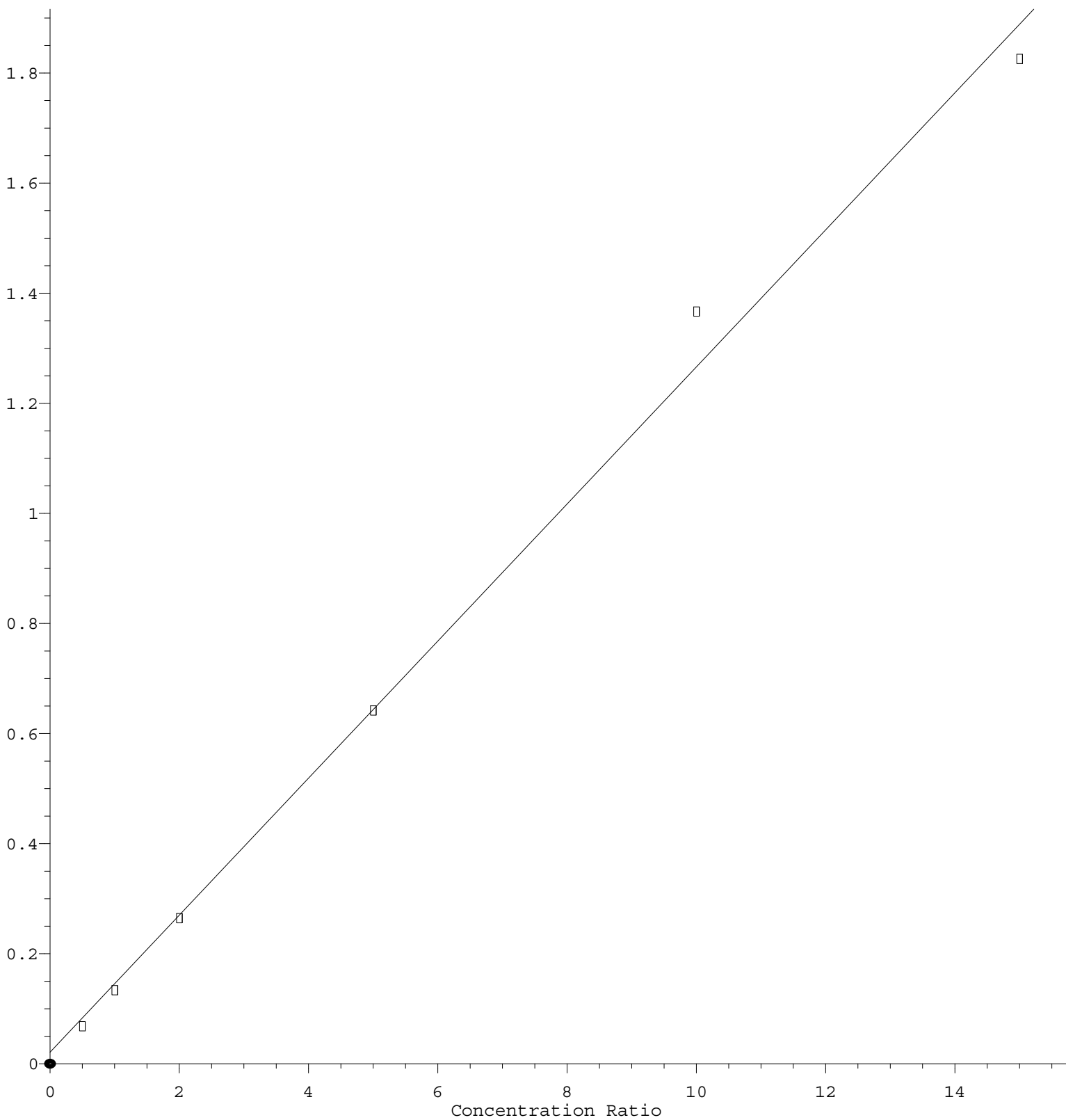
Coef of Det (r^2) = 0.991668 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M

Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

Acrylonitrile

Response Ratio



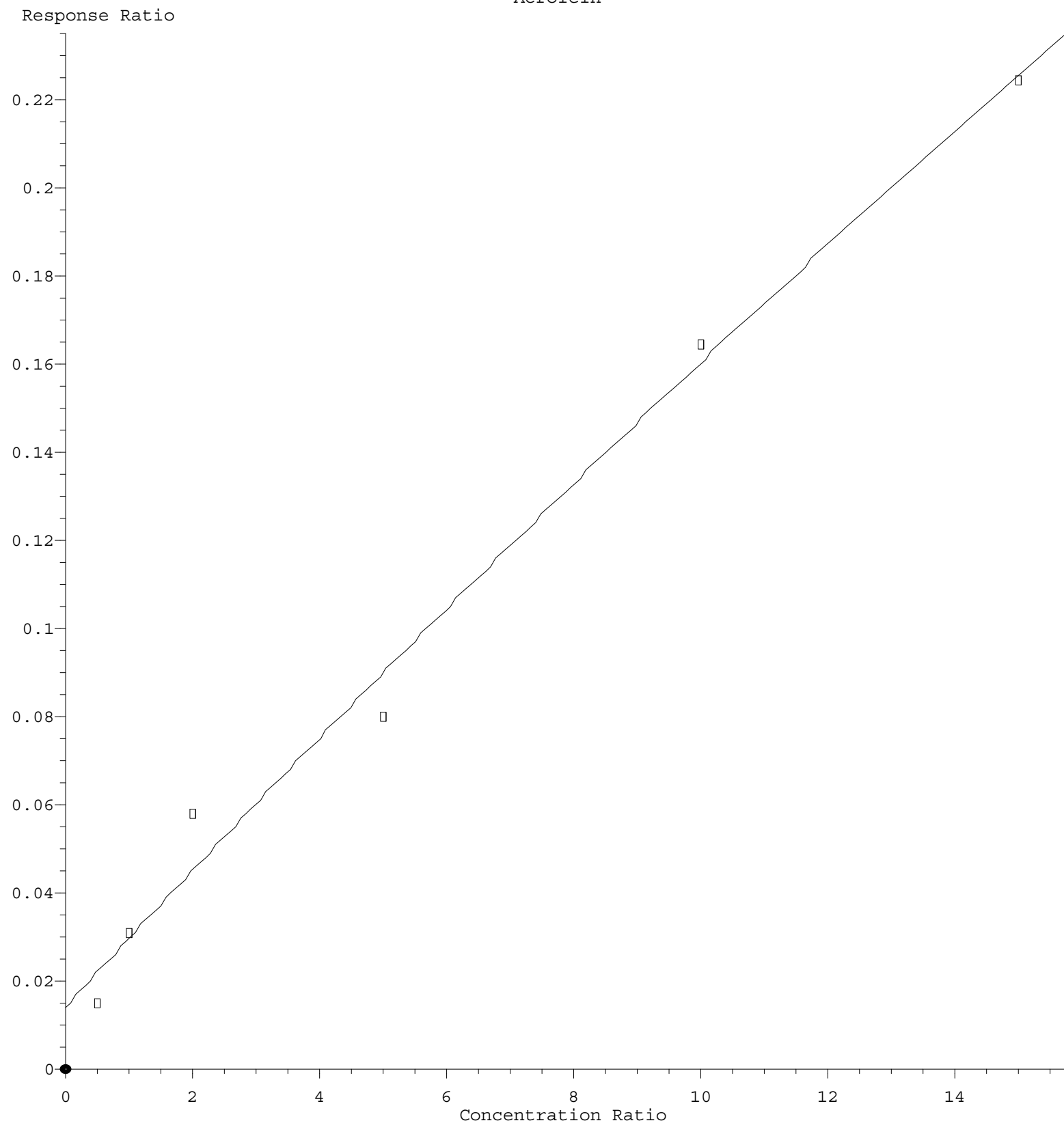
$$\text{Response} = 1.245\text{e-}001 * \text{Amt} + 2.147\text{e-}002$$

Coef of Det (r^2) = 0.994479 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M

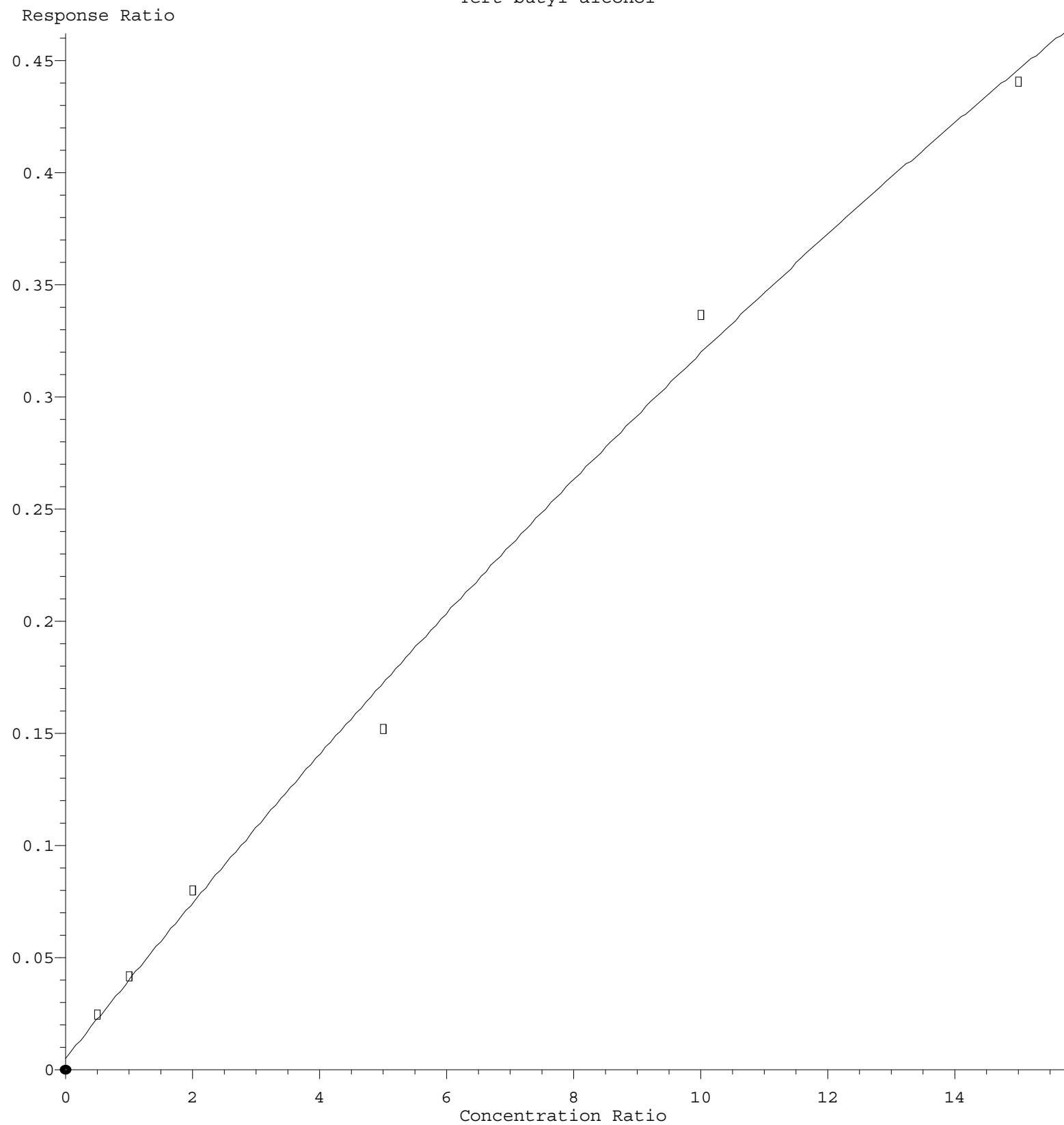
Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

Acrolein



$R = -1.088e-004 A^2 + 1.571e-002 A + 1.416e-002$
 Coef of Det (r^2) = 0.990118 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M
 Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

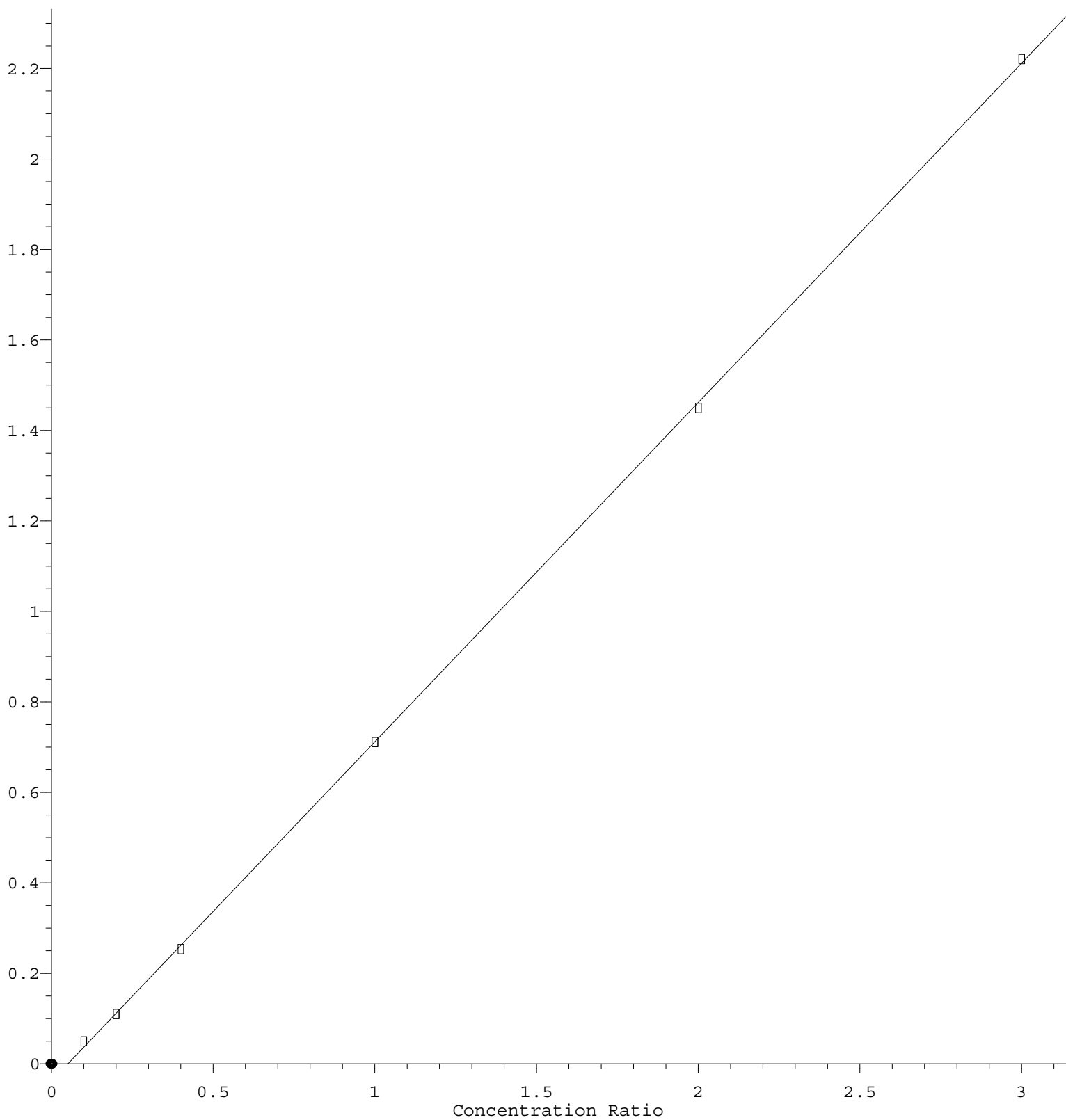
Tert butyl alcohol



$R = -4.117e-004 A^2 + 3.557e-002 A + 4.948e-003$
Coef of Det (r^2) = 0.994688 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M
Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

Methyl Iodide

Response Ratio



$$\text{Response} = 7.500\text{e-}001 * \text{Amt} - 3.849\text{e-}002$$

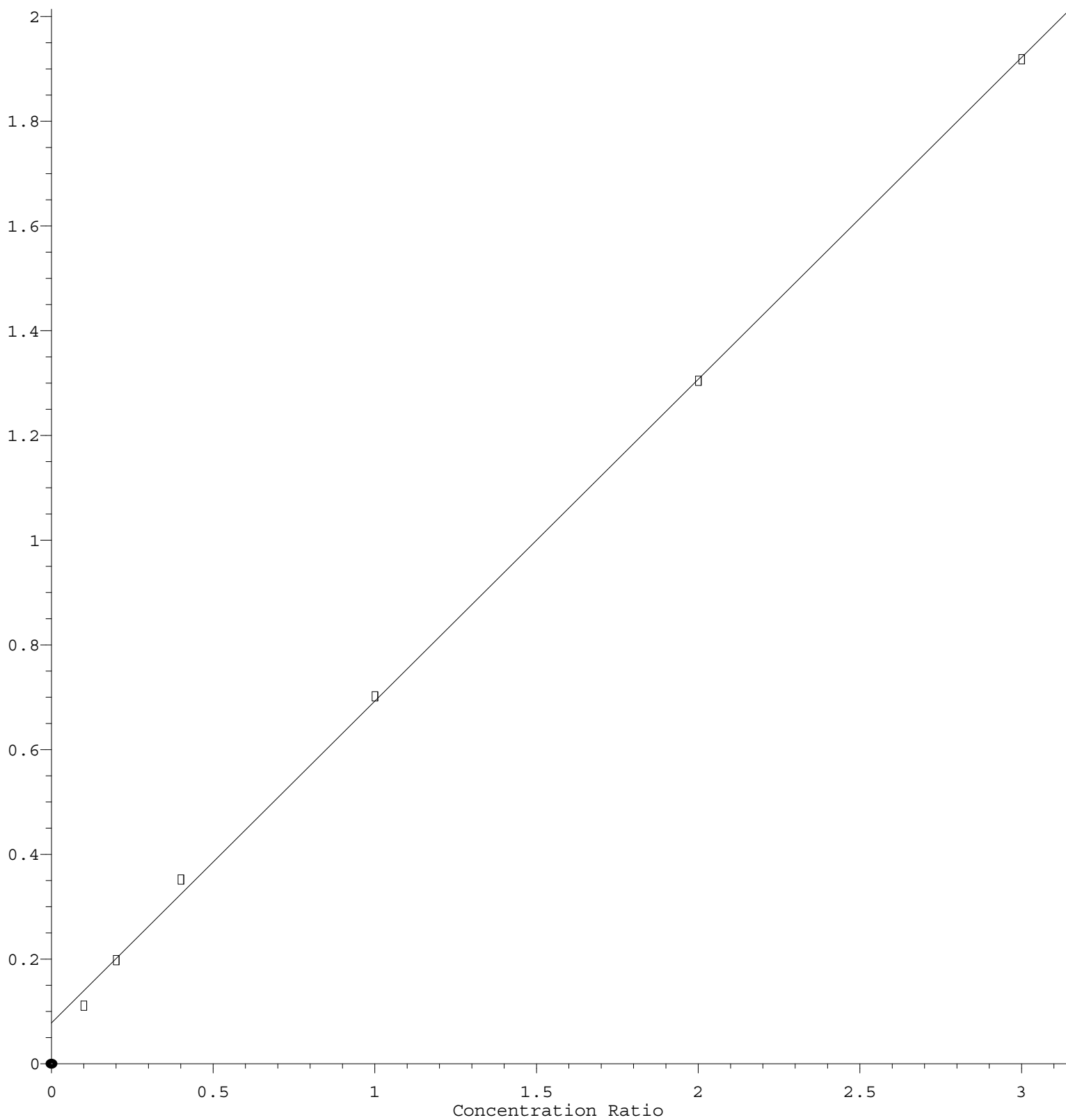
Coef of Det (r^2) = 0.999877 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M

Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

Chloromethane

Response Ratio



$$\text{Response} = 6.148\text{e-}001 * \text{Amt} + 7.760\text{e-}002$$

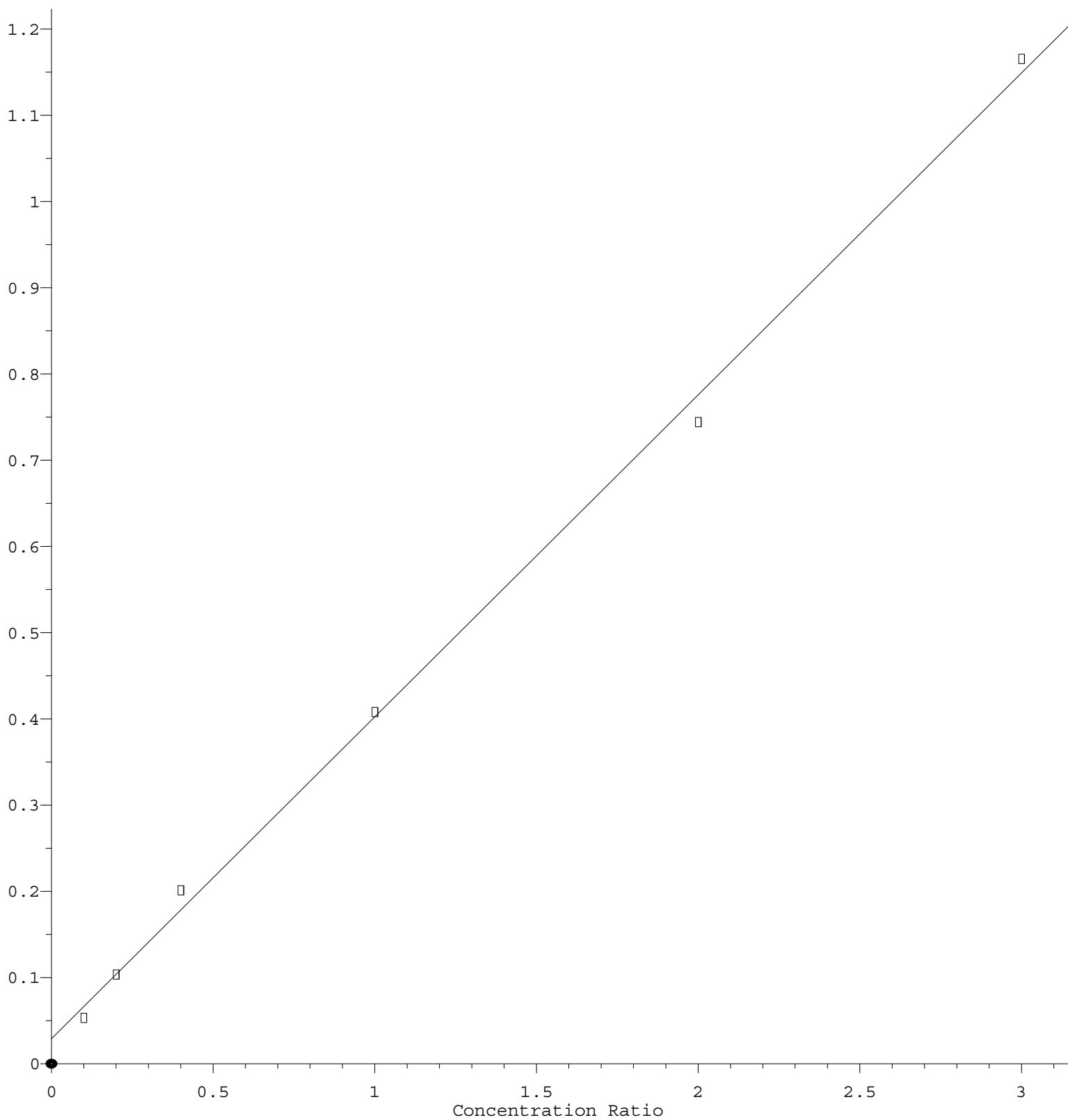
Coef of Det (r^2) = 0.999331 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M

Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 3.733\text{e-}001 * \text{Amt} + 2.903\text{e-}002$$

Coef of Det (r^2) = 0.997893 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D020723S.M

Calibration Table Last Updated: Wed Feb 08 04:26:58 2023

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D020723S.M

57)	T	1,3-Dichloropr...	0.454	0.467	0.473	0.483	0.482	0.459	0.470	2.59
58)	T	2-Chloroethyl ...	0.064	0.063	0.085	0.086	0.100	0.098	0.083	19.37
59)	T	2-Hexanone	0.158	0.145	0.163	0.179	0.191	0.173	0.168	9.68
60)	T	Dibromochlorom...	0.328	0.312	0.357	0.358	0.353	0.343	0.342	5.45
61)	T	1,2-Dibromoethane	0.266	0.266	0.266	0.270	0.277	0.252	0.266	3.06
62)	S	4-Bromofluorob...	0.439	0.455	0.436	0.431	0.442	0.427	0.438	2.23
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.391	0.412	0.397	0.382	0.359	0.369	0.385	5.02
65)	PM	Chlorobenzene	1.119	1.178	1.144	1.126	1.096	1.103	1.128	2.68
66)	T	1,1,1,2-Tetrac...	0.426	0.377	0.418	0.424	0.412	0.408	0.411	4.39
67)	C	Ethyl Benzene	1.971	2.062	2.082	2.142	2.087	2.147	2.082	3.07#
68)	T	m/p-Xylenes	0.734	0.780	0.805	0.827	0.794	0.812	0.792	4.12
69)	T	o-Xylene	0.699	0.690	0.770	0.761	0.753	0.765	0.740	4.78
70)	T	Styrene	1.184	1.189	1.293	1.289	1.282	1.282	1.253	4.14
71)	P	Bromoform	0.220	0.194	0.228	0.230	0.231	0.220	0.221	6.28
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.990	3.798	4.098	4.194	4.032	4.192	4.051	3.67
74)	T	N-amyl acetate	0.853	0.839	0.914	0.928	0.968	0.959	0.910	5.89
75)	P	1,1,2,2-Tetrac...	0.727	0.727	0.716	0.700	0.710	0.648	0.705	4.21
76)	T	1,2,3-Trichlor...	0.574	0.629	0.548	0.522	0.538	0.594	0.568	6.97
77)	T	Bromobenzene	0.923	0.929	0.951	0.927	0.900	0.873	0.917	2.93
78)	T	n-propylbenzene	4.940	4.724	5.123	5.270	5.031	5.153	5.040	3.79
79)	T	2-Chlorotoluene	2.763	2.701	2.773	2.815	2.748	2.788	2.765	1.40
80)	T	1,3,5-Trimethy...	3.221	3.166	3.398	3.531	3.396	3.523	3.373	4.49
81)	T	trans-1,4-Dich...	0.157	0.114	0.150	0.167	0.189	0.177	0.159	16.29
82)	T	4-Chlorotoluene	2.830	2.833	2.922	2.944	2.860	2.914	2.884	1.70
83)	T	tert-Butylbenzene	2.808	2.784	2.899	3.049	2.888	3.017	2.908	3.70
84)	T	1,2,4-Trimethy...	3.263	3.168	3.435	3.501	3.348	3.497	3.369	3.98
85)	T	sec-Butylbenzene	4.281	4.245	4.502	4.636	4.424	4.676	4.461	4.00
86)	T	p-Isopropyltol...	3.543	3.175	3.713	3.883	3.686	3.892	3.649	7.31
87)	T	1,3-Dichlorobe...	1.953	1.805	1.880	1.896	1.787	1.803	1.854	3.57
88)	T	1,4-Dichlorobe...	1.883	1.918	1.904	1.866	1.807	1.752	1.855	3.42
89)	T	n-Butylbenzene	3.425	3.323	3.600	3.712	3.567	3.747	3.562	4.60
90)	T	Hexachloroethane	0.772	0.670	0.733	0.732	0.695	0.714	0.719	4.88
91)	T	1,2-Dichlorobe...	1.651	1.606	1.656	1.636	1.564	1.538	1.609	3.02
92)	T	1,2-Dibromo-3-...	0.106	0.101	0.118	0.113	0.112	0.106	0.109	5.39
93)	T	1,2,4-Trichlor...	0.992	1.009	1.019	1.028	0.998	1.000	1.007	1.37
94)	T	Hexachlorobuta...	0.496	0.522	0.535	0.564	0.519	0.554	0.532	4.69
95)	T	Naphthalene	1.756	1.797	1.895	1.923	2.008	1.872	1.875	4.80
96)	T	1,2,3-Trichlor...	0.847	0.831	0.903	0.892	0.880	0.863	0.869	3.15

(#) = Out of Range