

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X010423W.M
 Title : SW846 8260
 Last Update : Thu Jan 05 04:43:25 2023
 Response Via : Initial Calibration

Calibration Files

1 =VX033610.D 5 =VX033611.D 20 =VX033612.D 50 =VX033613.D 100 =VX033614.D 150 =VX033615.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.372	0.363	0.453	0.432	0.448	0.407	0.412	9.29
3) P	Chloromethane	0.555	0.540	0.513	0.488	0.486	0.463	0.507	6.86
4) C	Vinyl Chloride	0.434	0.471	0.499	0.478	0.387	0.432	0.450	9.01#
5) T	Bromomethane		0.285	0.254	0.220	0.261	0.239	0.252	9.64
6) T	Chloroethane	0.283	0.281	0.264	0.257	0.256	0.215	0.259	9.51
7) T	Trichlorofluor...	0.594	0.694	0.602	0.594	0.693	0.645	0.637	7.51
8) T	Diethyl Ether	0.186	0.228	0.191	0.188	0.210	0.198	0.200	8.07
9) T	1,1,2-Trichlor...	0.301	0.460	0.299	0.329	0.329	0.302	0.337	18.38
10) T	Methyl Iodide		0.563	0.411	0.639	0.701	0.592	0.581	18.65
11) T	Tert butyl alc...		0.094	0.093	0.091	0.098	0.088	0.093	3.78
12) CM	1,1-Dichloroet...	0.283	0.432	0.280	0.296	0.309	0.283	0.314	18.84#
13) T	Acrolein		0.088	0.053	0.052	0.059	0.054	0.061	24.93
14) T	Allyl chloride	0.717	0.794	0.780	0.777	0.848	0.764	0.780	5.48
15) T	Acrylonitrile	0.239	0.266	0.253	0.244	0.267	0.235	0.251	5.45
16) T	Acetone	0.296	0.250	0.164	0.219	0.199	0.178	0.218	22.45
17) T	Carbon Disulfide	1.110	1.053	0.709	1.065	1.174	1.073	1.031	15.86
18) T	Methyl Acetate	0.780	0.805	0.784	0.758	0.827	0.739	0.782	4.00
19) T	Methyl tert-bu...	1.375	1.537	1.457	1.449	1.583	1.408	1.468	5.34
20) T	Methylene Chlo...	0.866	0.599	0.502	0.471	0.500	0.446	0.564	27.80
21) T	trans-1,2-Dich...	0.429	0.503	0.462	0.449	0.489	0.437	0.461	6.38
22) T	Diisopropyl ether	1.460	1.659	1.608	1.568	1.666	1.470	1.572	5.73
23) T	Vinyl Acetate	1.067	1.220	1.228	1.231	1.323	1.171	1.207	6.98
24) P	1,1-Dichloroet...	0.831	0.903	0.850	0.829	0.893	0.795	0.850	4.83
25) T	2-Butanone	0.382	0.380	0.373	0.354	0.386	0.337	0.369	5.19
26) T	2,2-Dichloropr...	0.500	0.583	0.568	0.580	0.679	0.619	0.588	10.04
27) T	cis-1,2-Dichlo...	0.511	0.555	0.536	0.523	0.572	0.512	0.535	4.62
28) T	Bromochloromet...	0.390	0.382	0.309	0.330	0.348	0.313	0.345	9.95
29) T	Tetrahydrofuran	0.223	0.249	0.233	0.232	0.248	0.218	0.234	5.44
30) C	Chloroform	0.855	0.907	0.879	0.855	0.909	0.808	0.869	4.38#
31) T	Cyclohexane		0.803	0.789	0.775	0.830	0.731	0.786	4.67
32) T	1,1,1-Trichlor...	0.699	0.765	0.759	0.745	0.812	0.727	0.751	5.06
33) S	1,2-Dichloroet...		0.647	0.553	0.526	0.566	0.530	0.564	8.65
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.365	0.309	0.320	0.336	0.313	0.329	6.94
36) T	1,1-Dichloropr...	0.431	0.455	0.441	0.448	0.478	0.417	0.445	4.76
37) T	Ethyl Acetate	0.764	0.540	0.493	0.513	0.523	0.460	0.549	19.88
38) T	Carbon Tetrach...	0.457	0.477	0.465	0.473	0.507	0.448	0.471	4.32
39) T	Methylcyclohexane	0.540	0.550	0.540	0.581	0.598	0.526	0.556	4.95
40) TM	Benzene	1.251	1.370	1.286	1.334	1.363	1.203	1.301	5.09
41) T	Methacrylonitrile	0.228	0.268	0.280	0.289	0.299	0.259	0.270	9.31
42) TM	1,2-Dichloroet...	0.475	0.516	0.491	0.498	0.499	0.432	0.485	5.99
43) T	Isopropyl Acetate	0.676	0.747	0.738	0.799	0.856	0.751	0.761	8.01
44) TM	Trichloroethene	0.368	0.383	0.358	0.377	0.392	0.349	0.371	4.33
45) C	1,2-Dichloropr...	0.328	0.342	0.328	0.346	0.354	0.314	0.335	4.42#
46) T	Dibromomethane	0.215	0.244	0.236	0.244	0.250	0.218	0.235	6.18
47) T	Bromodichlorom...	0.418	0.446	0.457	0.475	0.495	0.437	0.455	6.00
48) T	Methyl methacr...	0.322	0.393	0.382	0.409	0.430	0.375	0.385	9.55
49) T	1,4-Dioxane	0.008	0.009	0.008	0.008	0.008	0.007	0.008	7.35
50) S	Toluene-d8		1.241	1.117	1.166	1.220	1.128	1.175	4.66
51) T	4-Methyl-2-Pen...	0.441	0.506	0.497	0.510	0.506	0.430	0.482	7.58
52) CM	Toluene	0.841	0.881	0.846	0.884	0.897	0.784	0.855	4.82#
53) T	t-1,3-Dichloro...	0.331	0.411	0.444	0.505	0.546	0.485	0.454	16.81
54) T	cis-1,3-Dichlo...	0.400	0.455	0.502	0.551	0.587	0.524	0.503	13.39
55) T	1,1,2-Trichlor...	0.300	0.346	0.334	0.353	0.362	0.315	0.335	7.06
56) T	Ethyl methacry...	0.401	0.482	0.498	0.548	0.576	0.497	0.500	12.04

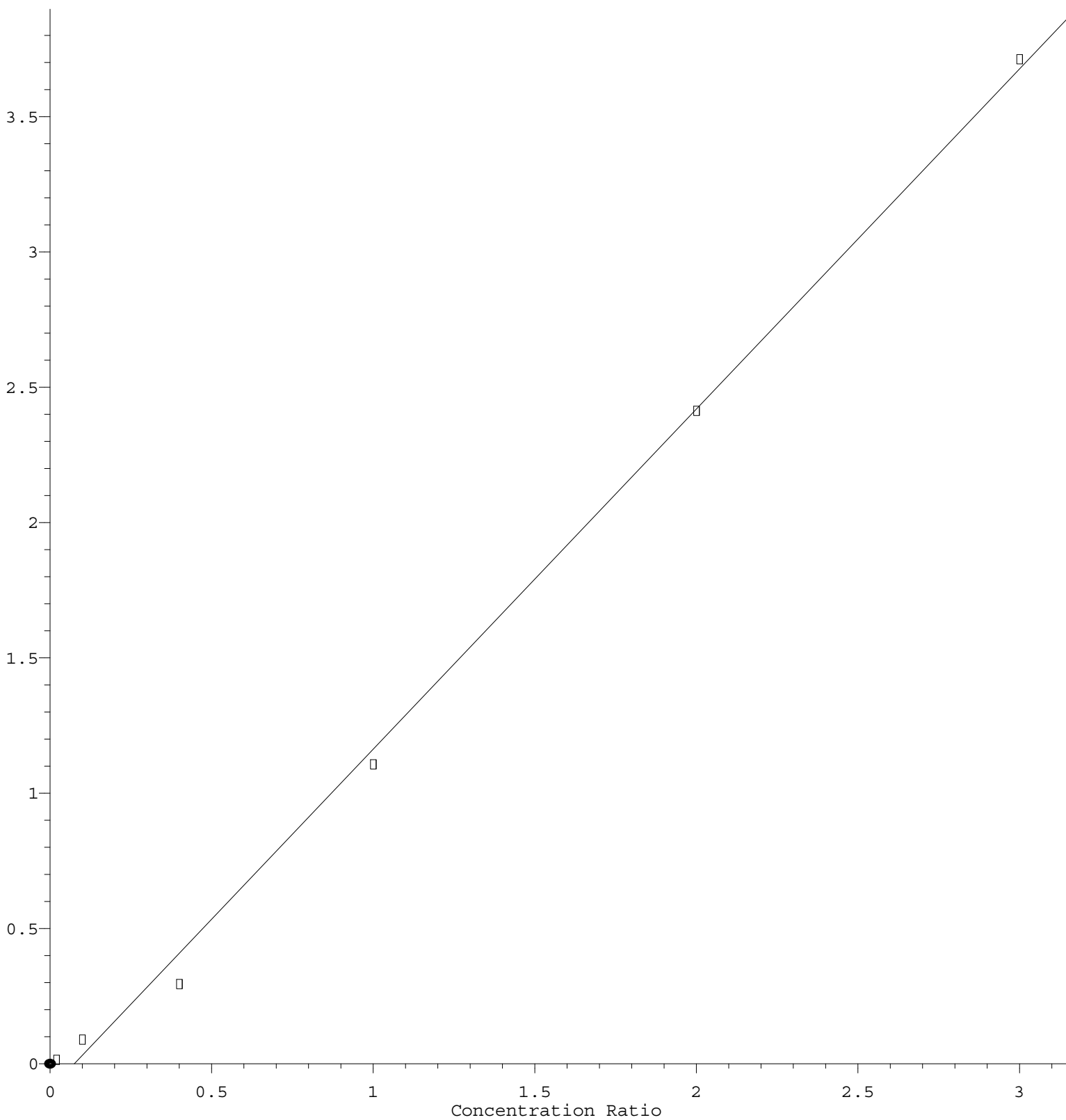
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X010423W.M

57)	T	1,3-Dichloropr...	0.529	0.604	0.573	0.594	0.611	0.529	0.573	6.45
58)	T	2-Chloroethyl ...	0.249	0.263	0.260	0.271	0.247	0.237	0.254	4.79
59)	T	2-Hexanone	0.320	0.369	0.370	0.378	0.380	0.319	0.356	8.04
60)	T	Dibromochlorom...	0.312	0.345	0.366	0.395	0.418	0.364	0.366	10.13
61)	T	1,2-Dibromoethane	0.308	0.354	0.359	0.379	0.388	0.338	0.354	8.16
62)	S	4-Bromofluorob...		0.454	0.412	0.438	0.457	0.321	0.416	13.50
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.383	0.375	0.357	0.361	0.385	0.347	0.368	4.23
65)	PM	Chlorobenzene	1.064	1.044	0.996	0.995	1.083	0.957	1.023	4.72
66)	T	1,1,1,2-Tetrac...	0.346	0.386	0.373	0.391	0.423	0.377	0.382	6.59
67)	C	Ethyl Benzene	1.678	1.862	1.762	1.827	1.901	1.686	1.786	5.18#
68)	T	m/p-Xylenes	0.659	0.704	0.695	0.712	0.751	0.660	0.697	4.97
69)	T	o-Xylene	0.663	0.718	0.674	0.705	0.737	0.649	0.691	4.99
70)	T	Styrene	1.042	1.170	1.111	1.175	1.240	1.073	1.135	6.47
71)	P	Bromoform	0.268	0.291	0.297	0.331	0.361	0.289	0.306	11.04
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.378	4.344	3.431	3.452	3.683	2.898	3.531	13.42
74)	T	N-amyl acetate	1.177	1.565	1.394	1.389	1.544	1.515	1.431	10.14
75)	P	1,1,2,2-Tetrac...	1.141	1.369	1.059	1.042	1.115	0.878	1.101	14.58
76)	T	1,2,3-Trichlor...	0.893	1.082	0.862	0.843	1.008	0.807	0.916	11.64
77)	T	Bromobenzene	0.952	1.134	0.908	0.893	0.974	0.748	0.935	13.45
78)	T	n-propylbenzene	3.737	4.871	3.924	3.920	4.180	3.388	4.003	12.47
79)	T	2-Chlorotoluene	2.388	2.961	2.351	2.304	2.465	1.957	2.404	13.50
80)	T	1,3,5-Trimethy...	2.669	3.531	2.869	2.834	3.023	2.517	2.907	12.09
81)	T	trans-1,4-Dich...		0.302	0.262	0.296	0.359	0.290	0.302	11.77
82)	T	4-Chlorotoluene	2.747	3.372	2.676	2.654	2.839	2.391	2.780	11.74
83)	T	tert-Butylbenzene	2.832	3.614	2.964	2.900	3.172	2.716	3.033	10.63
84)	T	1,2,4-Trimethy...	2.708	3.553	2.882	2.797	3.016	2.547	2.917	11.98
85)	T	sec-Butylbenzene	3.235	3.626	3.544	3.571	3.845	3.678	3.583	5.61
86)	T	p-Isopropyltol...	2.706	2.984	3.065	3.095	3.335	3.187	3.062	6.92
87)	T	1,3-Dichlorobe...	1.788	1.690	1.628	1.624	1.781	1.583	1.682	5.13
88)	T	1,4-Dichlorobe...	1.805	1.498	1.653	1.633	1.788	1.498	1.646	8.13
89)	T	n-Butylbenzene	2.342	2.316	2.490	2.586	2.874	2.756	2.561	8.73
90)	T	Hexachloroethane	0.490	0.412	0.469	0.495	0.574	0.524	0.494	10.95
91)	T	1,2-Dichlorobe...	1.656	1.530	1.613	1.563	1.707	1.575	1.607	4.06
92)	T	1,2-Dibromo-3-...	0.185	0.168	0.196	0.224	0.244	0.211	0.205	13.45
93)	T	1,2,4-Trichlor...	0.744	0.847	0.771	1.114	1.227	1.100	0.967	21.15
94)	T	Hexachlorobuta...	0.399	0.443	0.415	0.528	0.582	0.579	0.491	16.77
95)	T	Naphthalene	2.100	2.578	2.692	3.304	3.628	3.707	3.001	21.44
96)	T	1,2,3-Trichlor...	0.711	0.891	0.736	1.106	1.206	1.237	0.981	23.80

(#) = Out of Range

1,2,3-Trichlorobenzene

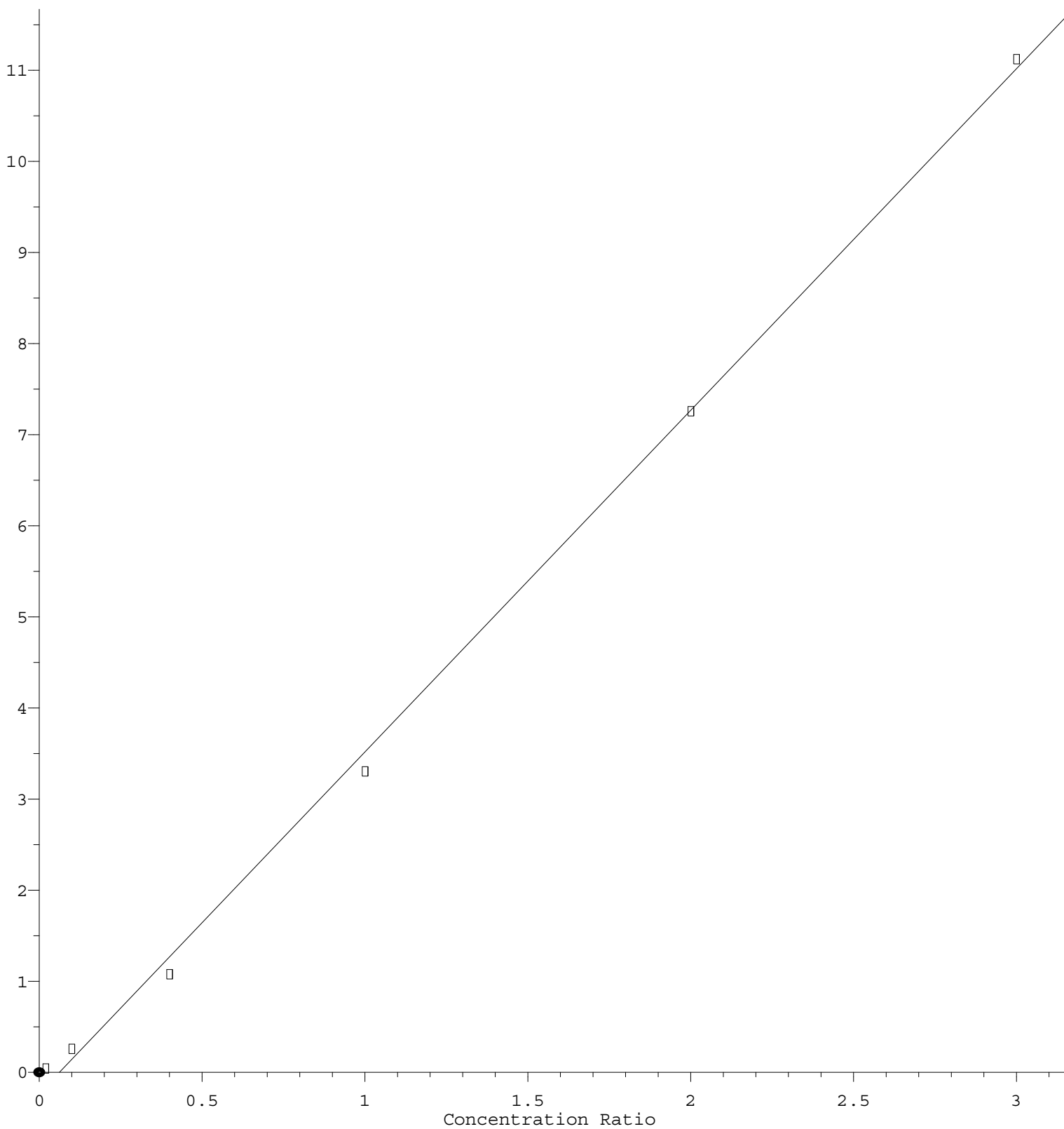
Response Ratio



$\text{Response} = 1.257\text{e}+000 * \text{Amt} - 9.424\text{e}-002$
 Coef of Det (r^2) = 0.997525 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M
 Calibration Table Last Updated: Thu Jan 05 04:43:25 2023

Naphthalene

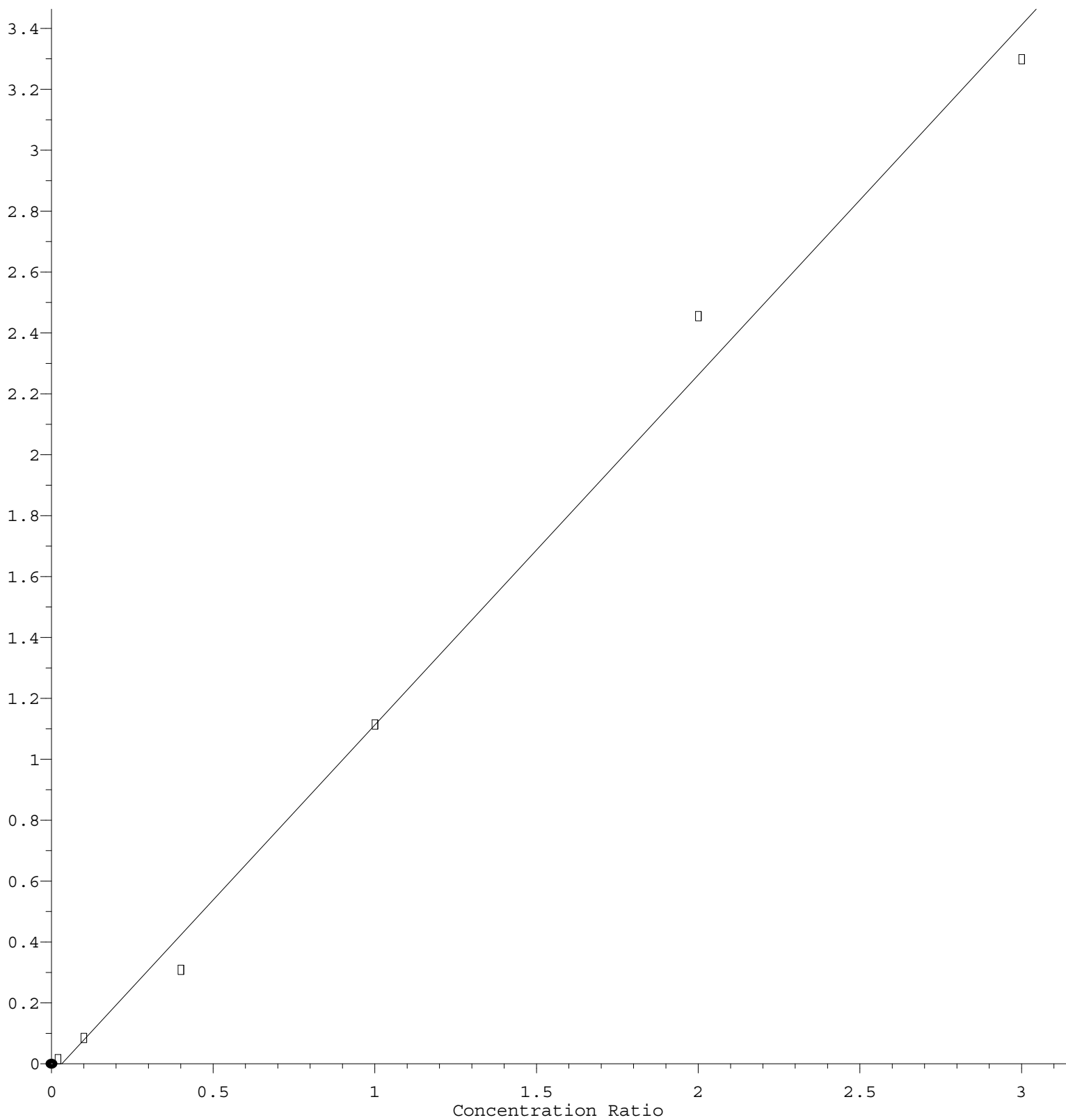
Response Ratio



Response = 3.752e+000 * Amt - 2.339e-001
 Coef of Det (r^2) = 0.998535 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M
 Calibration Table Last Updated: Thu Jan 05 04:43:25 2023

1,2,4-Trichlorobenzene

Response Ratio



$$\text{Response} = 1.150\text{e}+000 * \text{Amt} - 3.664\text{e}-002$$

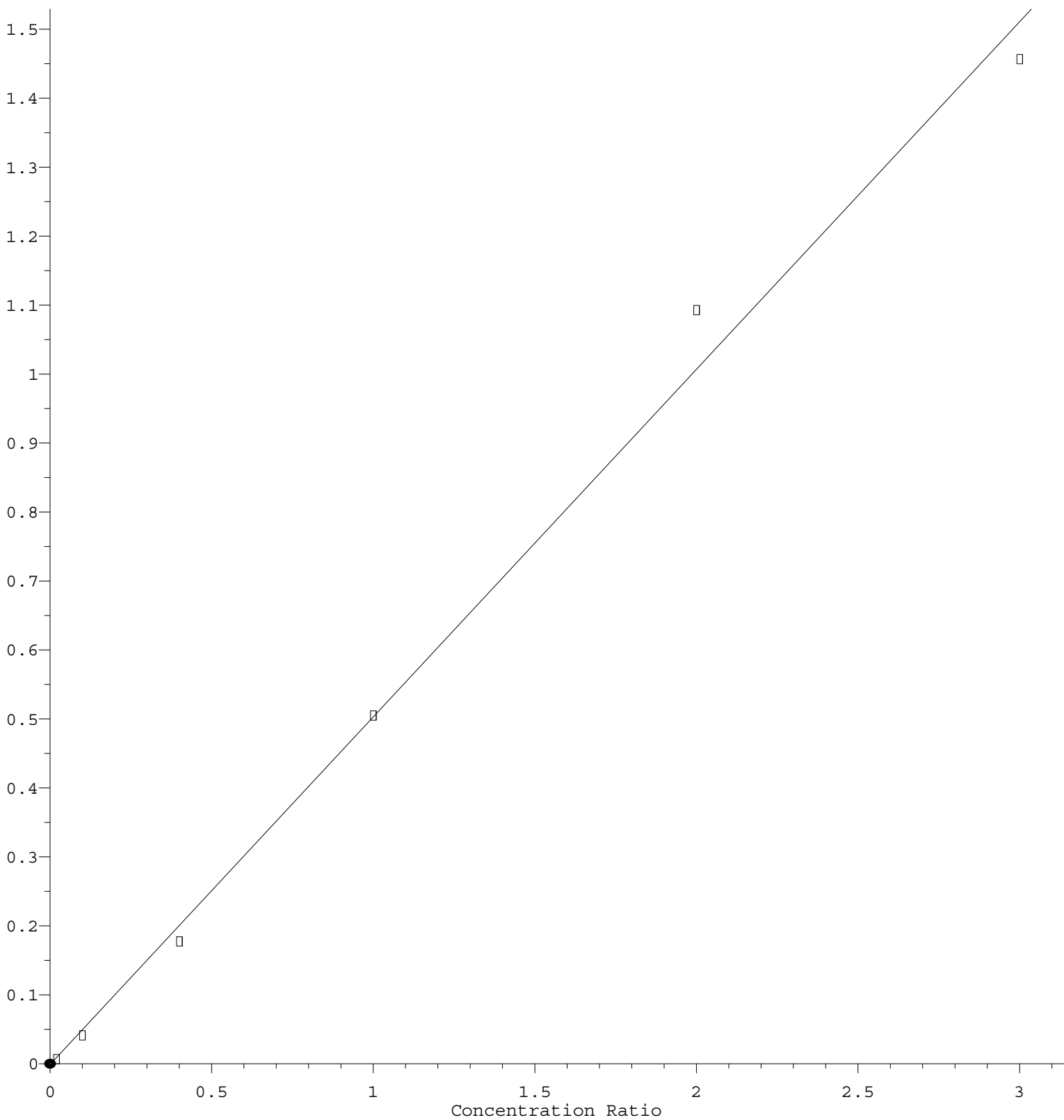
Coef of Det (r^2) = 0.993226 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M

Calibration Table Last Updated: Thu Jan 05 04:43:25 2023

t-1,3-Dichloropropene

Response Ratio



$$\text{Response} = 5.041\text{e-}001 * \text{Amt} - 1.217\text{e-}003$$

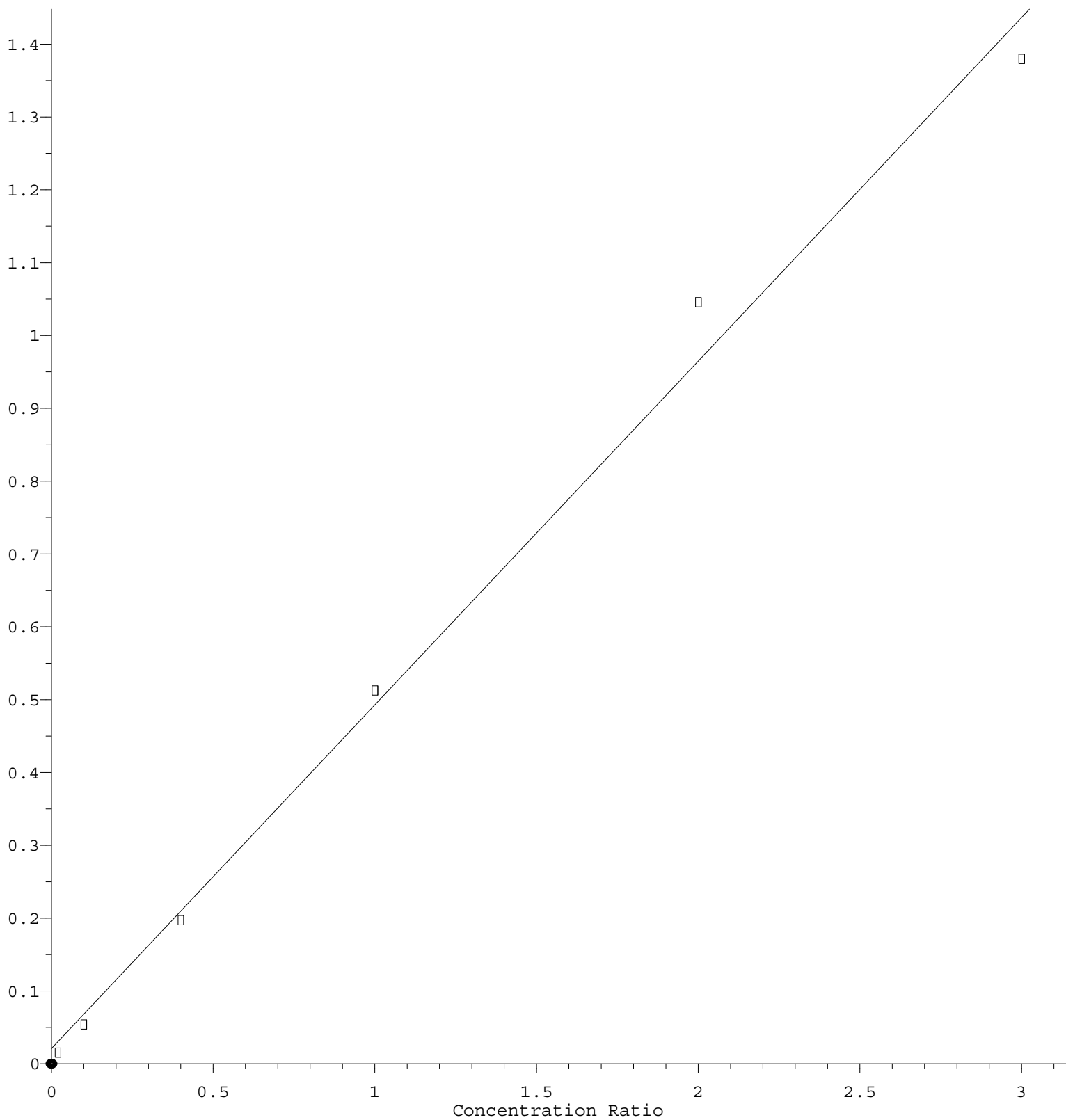
Coef of Det (r^2) = 0.993971 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M

Calibration Table Last Updated: Thu Jan 05 04:43:25 2023

Ethyl Acetate

Response Ratio



$$\text{Response} = 4.721\text{e-}001 * \text{Amt} + 2.099\text{e-}002$$

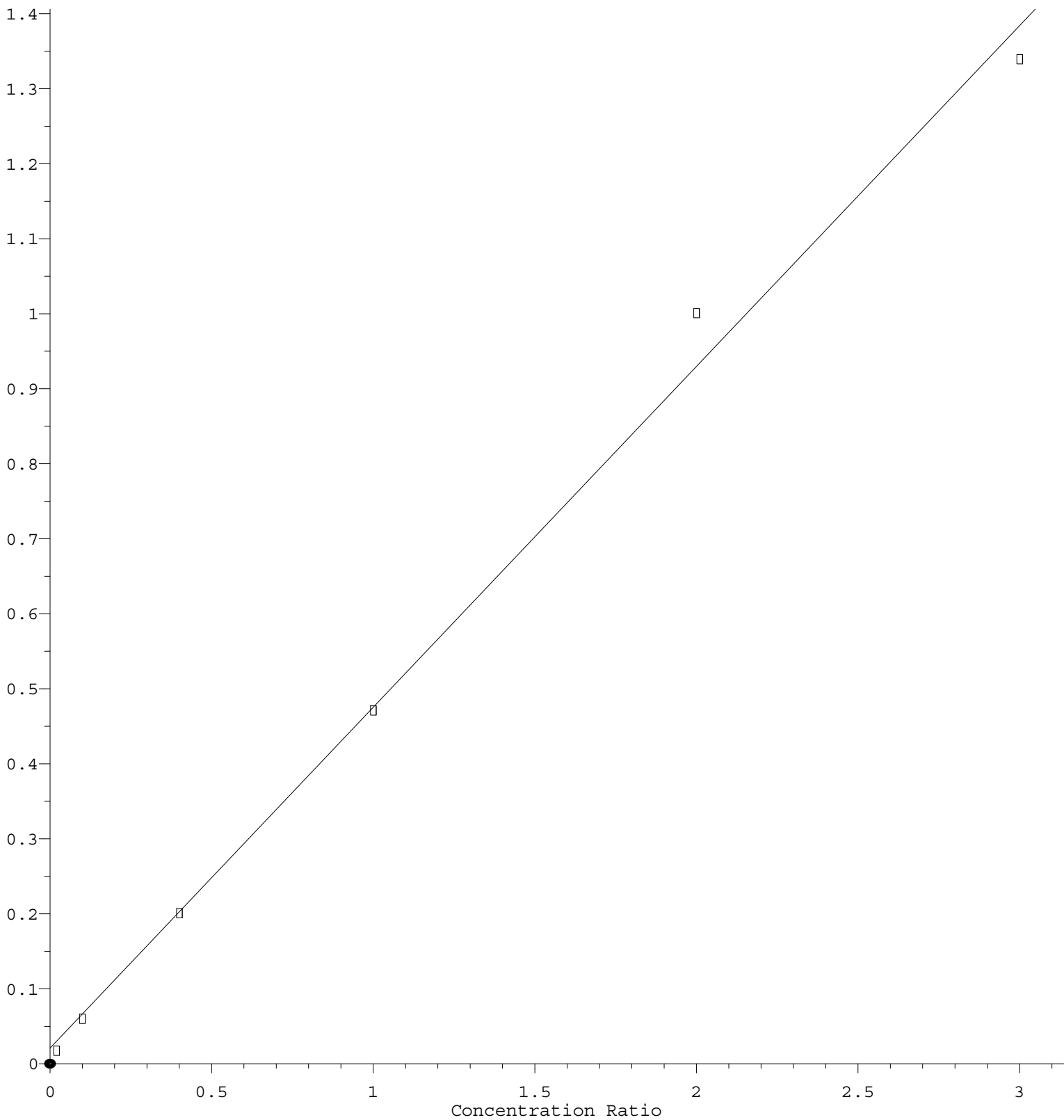
Coef of Det (r^2) = 0.993240 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M

Calibration Table Last Updated: Thu Jan 05 04:43:25 2023

Methylene Chloride

Response Ratio



$$\text{Response} = 4.545\text{e-}001 * \text{Amt} + 2.095\text{e-}002$$

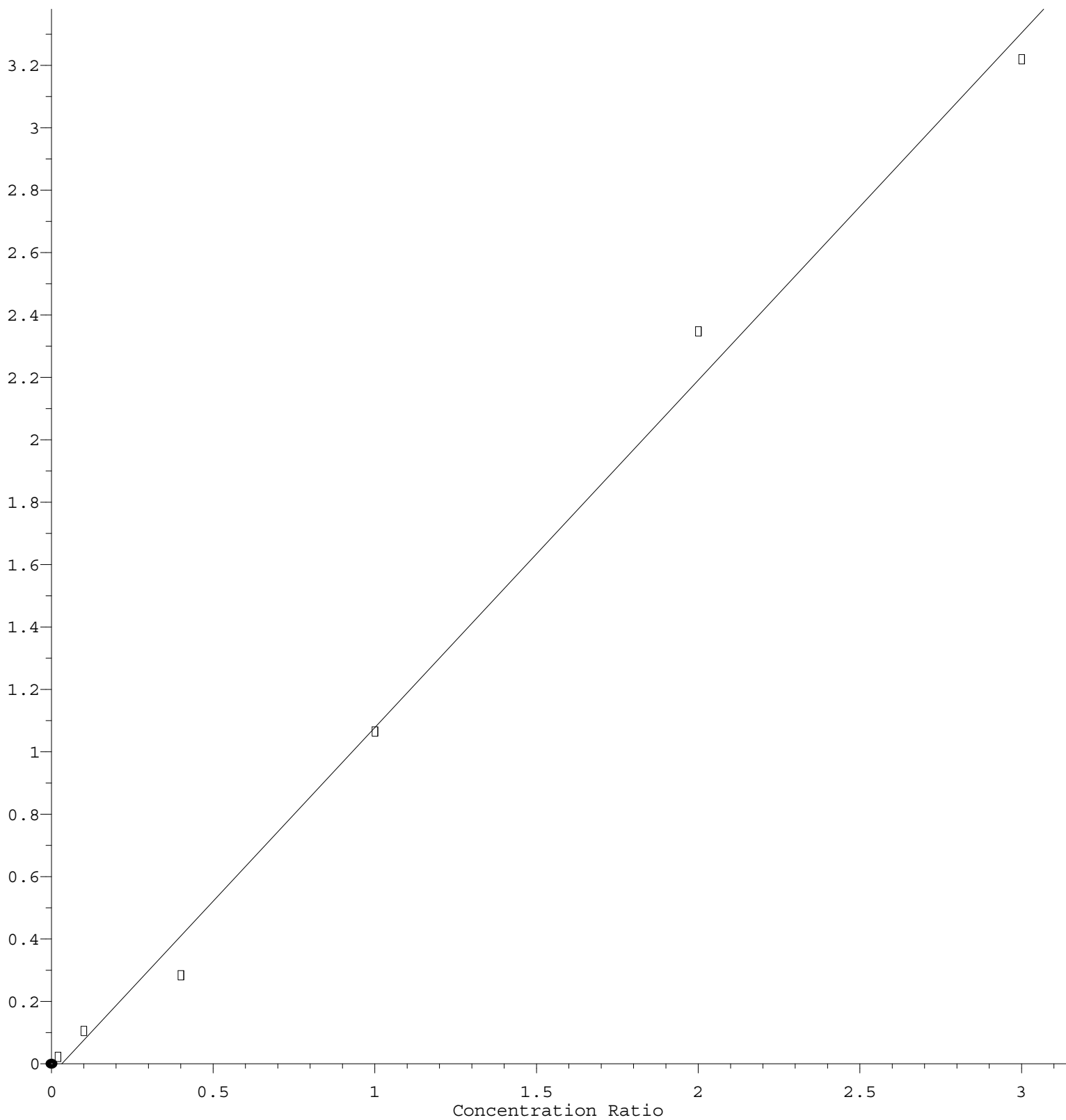
Coef of Det (r^2) = 0.995052 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M

Calibration Table Last Updated: Thu Jan 05 04:43:25 2023

Carbon Disulfide

Response Ratio



$$\text{Response} = 1.113\text{e}+000 * \text{Amt} - 3.613\text{e}-002$$

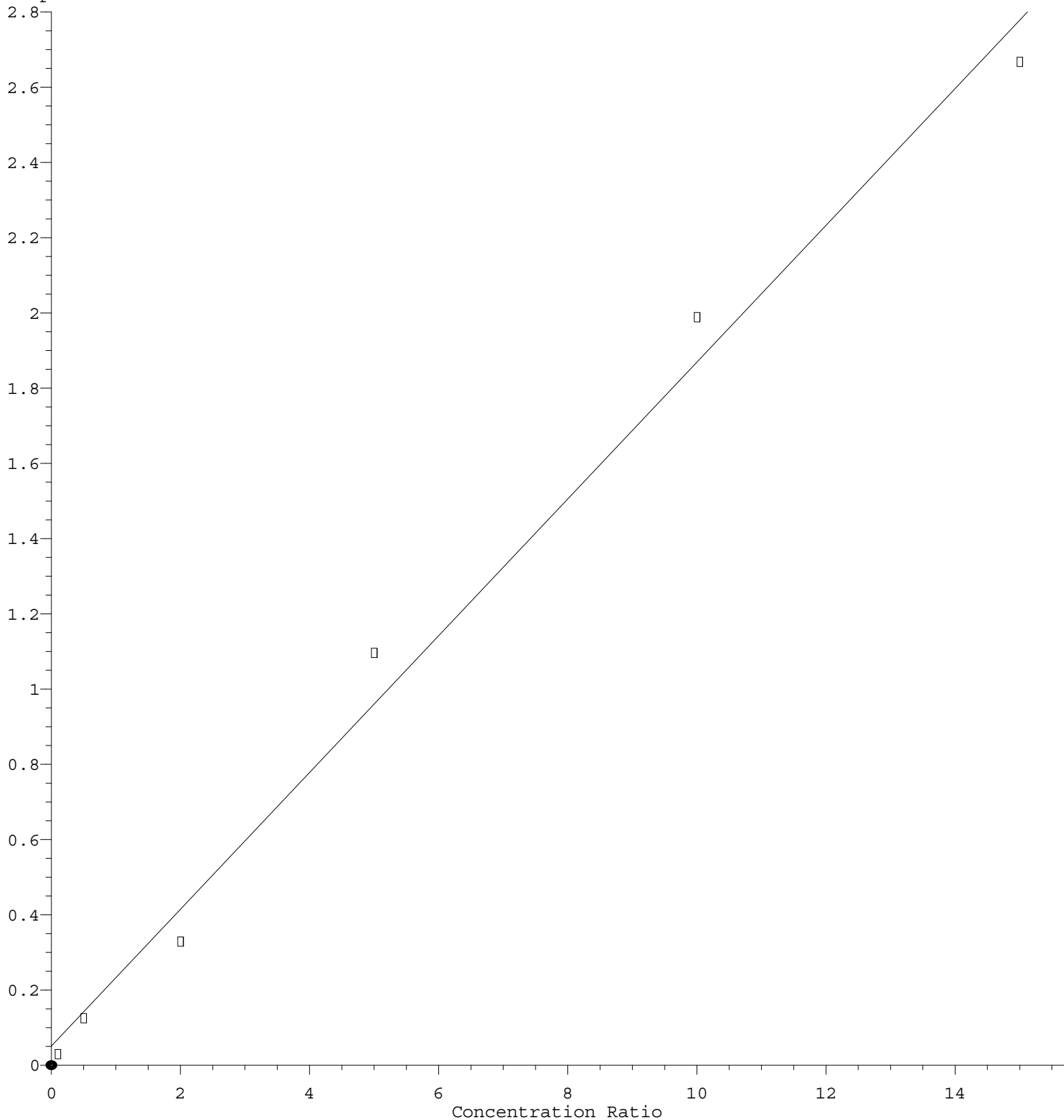
Coef of Det (r^2) = 0.994354 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M

Calibration Table Last Updated: Thu Jan 05 04:43:25 2023

Acetone

Response Ratio



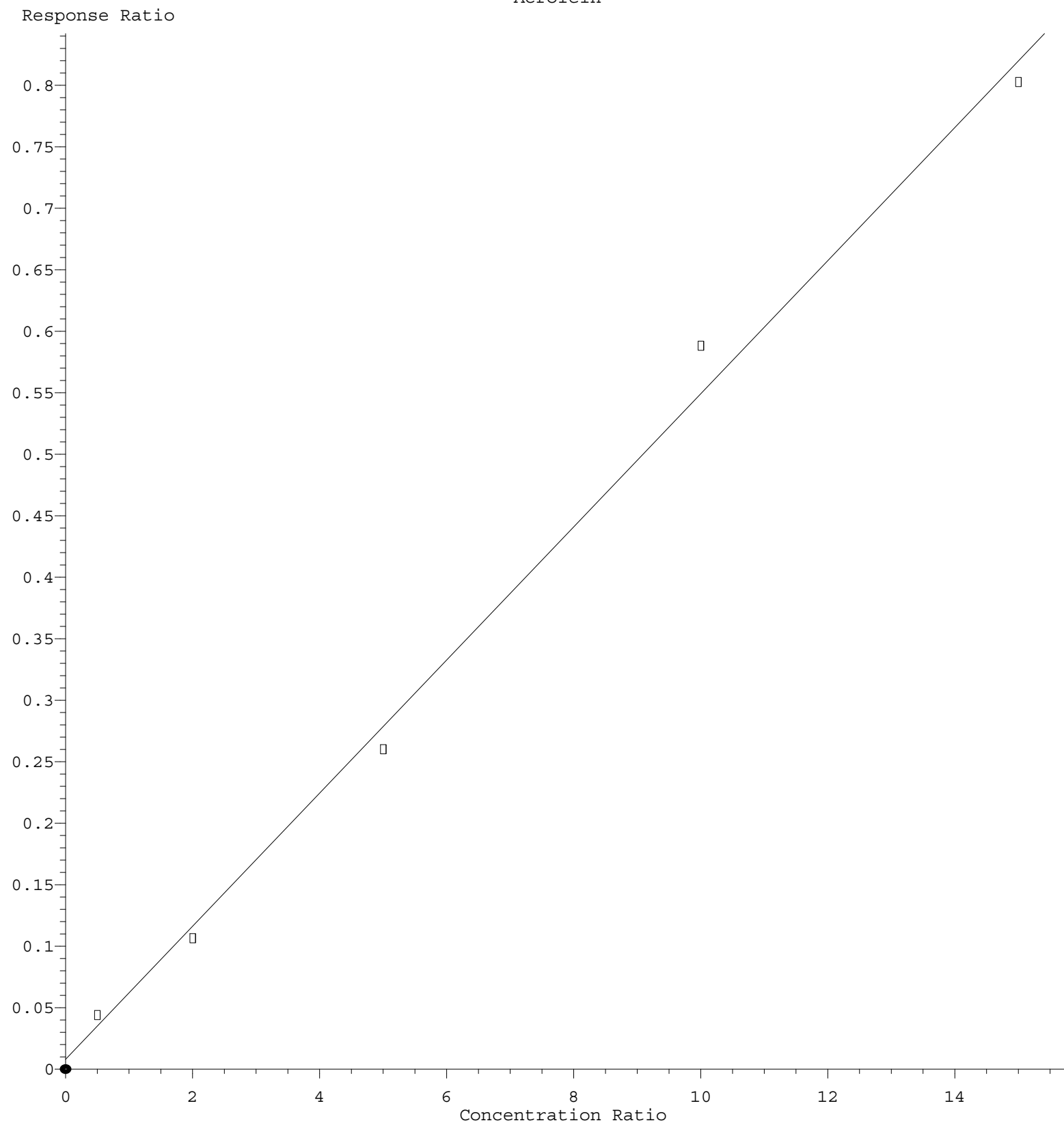
$$\text{Response} = 1.819\text{e-}001 * \text{Amt} + 5.080\text{e-}002$$

Coef of Det (r^2) = 0.990832 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M

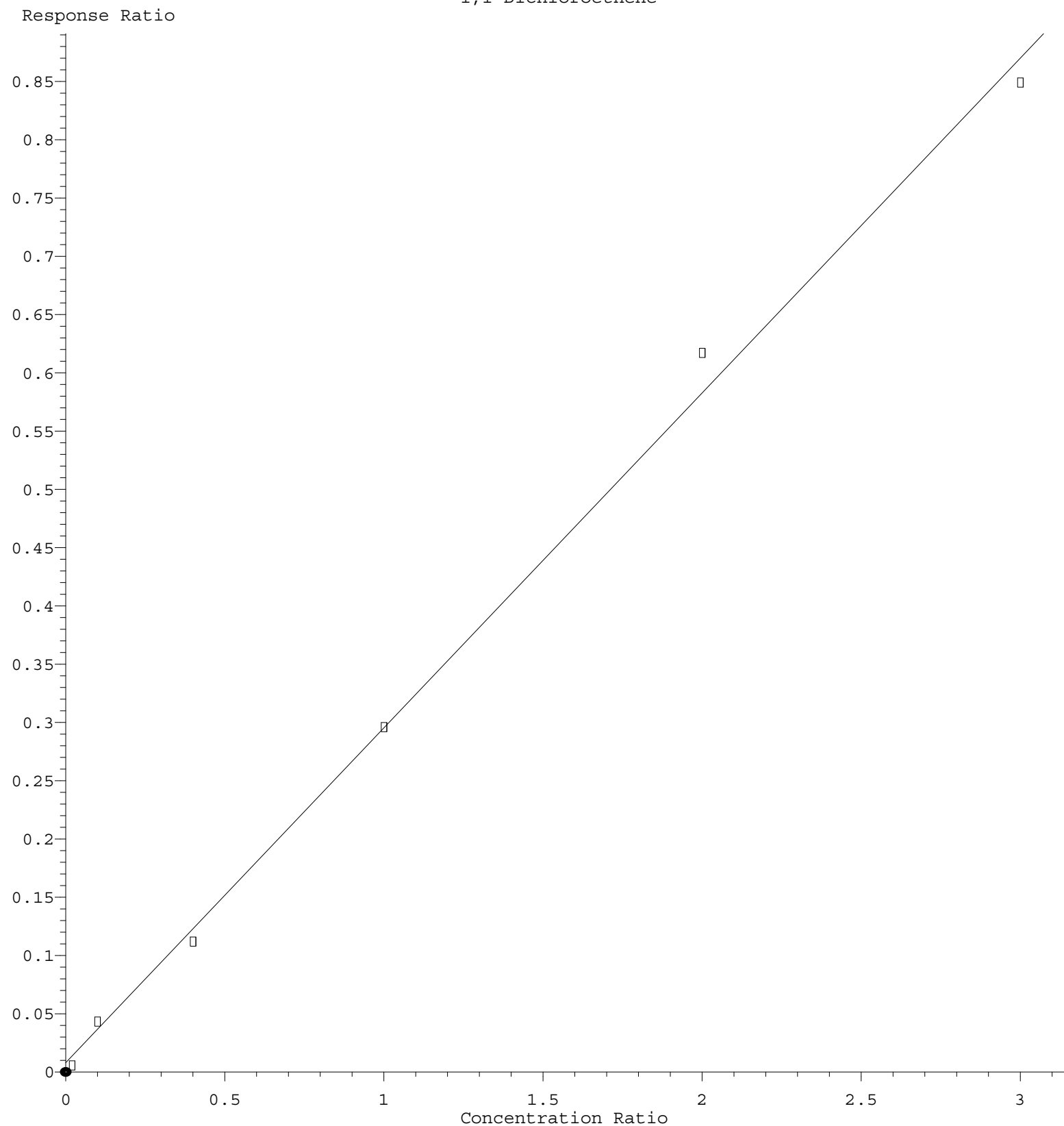
Calibration Table Last Updated: Thu Jan 05 04:43:25 2023

Acrolein



$\text{Response} = 5.418\text{e-}002 * \text{Amt} + 8.111\text{e-}003$
 Coef of Det (r^2) = 0.994489 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M
 Calibration Table Last Updated: Thu Jan 05 04:43:25 2023

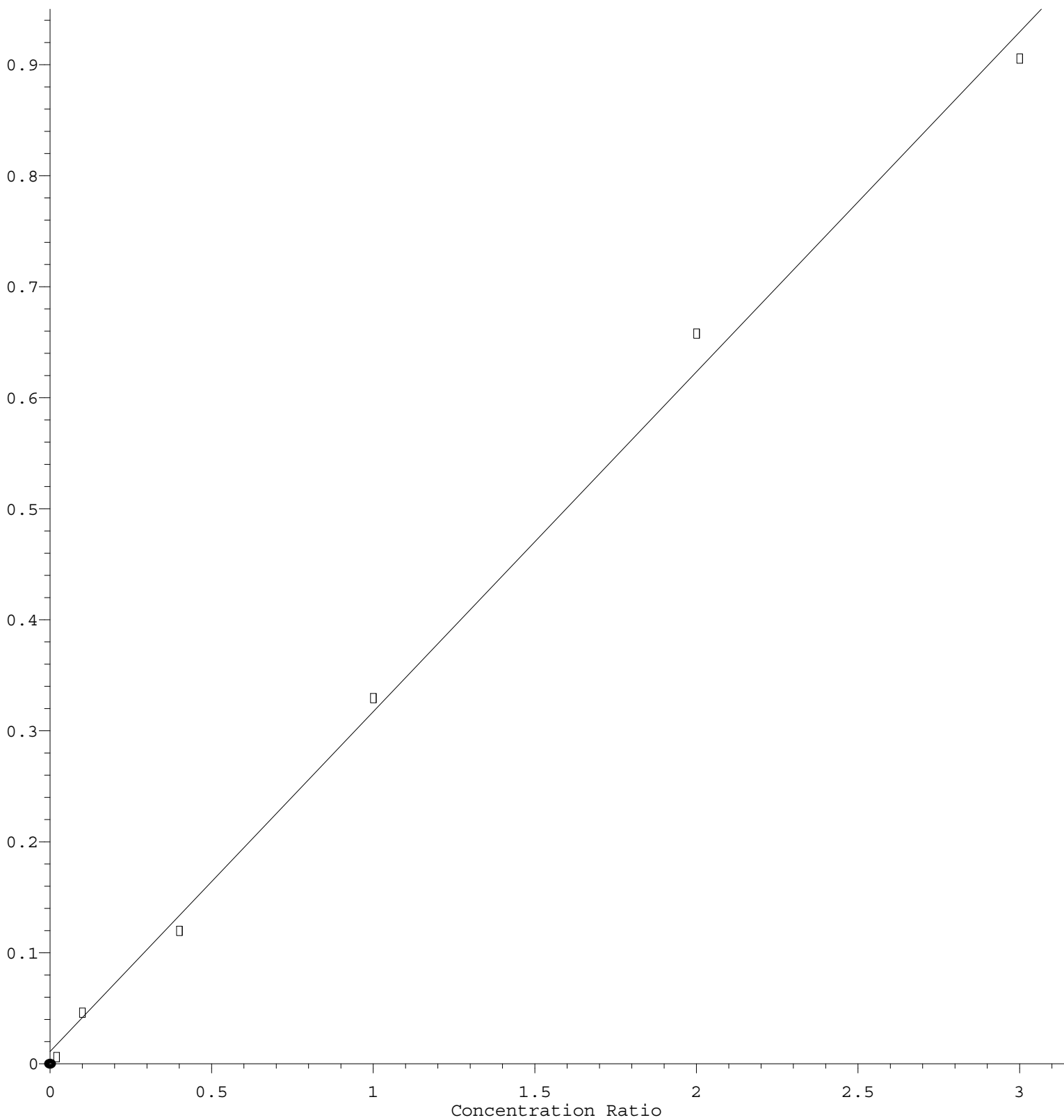
1,1-Dichloroethene



Response = 2.875e-001 * Amt + 8.074e-003
 Coef of Det (r^2) = 0.996855 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M
 Calibration Table Last Updated: Thu Jan 05 04:43:25 2023

1,1,2-Trichlorotrifluoroethane

Response Ratio



Response = $3.063 \times 10^{-1} \times \text{Amt} + 1.116 \times 10^{-2}$
 Coef of Det (r^2) = 0.996645 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X010423W.M
 Calibration Table Last Updated: Thu Jan 05 04:43:25 2023