

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D081522S.M
 Title : SW846 8260
 Last Update : Tue Aug 16 01:41:25 2022
 Response Via : Initial Calibration

Calibration Files

10 =VD074088.D 5 =VD074087.D 20 =VD074089.D 50 =VD074090.D 100 =VD074091.D 150 =VD074092.D

	Compound	10	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.594	0.715	0.549	0.356	0.323	0.303	0.473	35.94
3) P	Chloromethane	0.715	0.710	0.664	0.454	0.419	0.381	0.557	27.85
4) C	Vinyl Chloride	0.872	0.855	0.875	0.657	0.603	0.571	0.739	19.46#
5) T	Bromomethane	0.657	0.687	0.715	0.480	0.505	0.495	0.590	18.25
6) T	Chloroethane	0.799	0.674	0.771	0.555	0.491	0.467	0.626	22.77
7) T	Trichlorofluor...	1.406	1.561	0.990	0.800	0.734	0.706	1.033	35.45
8) T	Diethyl Ether	0.227	0.302	0.215	0.196	0.190	0.186	0.219	19.83
9) T	1,1,2-Trichlor...	0.555	0.875	0.596	0.482	0.434	0.418	0.560	30.14
10) T	Methyl Iodide	0.551	0.472	0.554	0.444	0.464	0.451	0.489	10.17
11) T	Tert butyl alc...	0.029	0.053	0.032	0.027	0.026	0.026	0.032	31.81
12) CM	1,1-Dichloroet...	0.449	0.675	0.487	0.391	0.373	0.366	0.457	25.57#
13) T	Acrolein	0.027	0.046	0.025	0.024	0.023	0.022	0.028	32.84
14) T	Allyl chloride	0.603	0.677	0.617	0.555	0.522	0.513	0.581	10.84
15) T	Acrylonitrile	0.088	0.093	0.090	0.086	0.087	0.083	0.088	4.00
16) T	Acetone	0.095	0.155	0.089	0.096	0.078	0.076	0.098	29.47
17) T	Carbon Disulfide	1.377	1.384	1.365	0.922	0.890	0.861	1.133	23.49
18) T	Methyl Acetate	0.233	0.379	0.233	0.203	0.194	0.188	0.238	30.03
19) T	Methyl tert-bu...	0.970	1.030	1.041	1.014	1.017	0.987	1.010	2.63
20) T	Methylene Chlo...	0.938	1.248	0.796	0.528	0.461	0.433	0.734	43.82
21) T	trans-1,2-Dich...	0.551	0.553	0.538	0.469	0.454	0.441	0.501	10.37
22) T	Diisopropyl ether	1.281	1.233	1.322	1.275	1.250	1.188	1.258	3.64
23) T	Vinyl Acetate	0.621	0.538	0.675	0.677	0.692	0.664	0.645	8.95
24) P	1,1-Dichloroet...	0.936	0.969	0.936	0.831	0.792	0.754	0.870	10.25
25) T	2-Butanone	0.128	0.160	0.130	0.121	0.117	0.110	0.128	13.72
26) T	2,2-Dichloropr...	0.939	1.083	0.955	0.857	0.804	0.771	0.902	12.74
27) T	cis-1,2-Dichlo...	0.611	0.684	0.612	0.555	0.550	0.530	0.591	9.60
28) T	Bromochloromet...	0.335	0.375	0.355	0.309	0.297	0.278	0.325	11.33
29) T	Tetrahydrofuran	0.068	0.073	0.075	0.068	0.069	0.066	0.070	5.03
30) C	Chloroform	1.083	1.125	1.094	0.978	0.931	0.888	1.017	9.58#
31) T	Cyclohexane	0.778	0.962	0.801	0.635	0.601	0.578	0.726	20.42
32) T	1,1,1-Trichlor...	1.057	1.018	1.028	0.932	0.876	0.839	0.959	9.30
33) S	1,2-Dichloroet...	0.524	0.630	0.512	0.392	0.352	0.329	0.457	25.78
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.341	0.385	0.338	0.301	0.277	0.275	0.320	13.43
36) T	1,1-Dichloropr...	0.444	0.485	0.453	0.413	0.418	0.401	0.436	7.14
37) T	Ethyl Acetate	0.176	0.201	0.173	0.166	0.164	0.158	0.173	8.66
38) T	Carbon Tetrach...	0.521	0.505	0.543	0.486	0.482	0.481	0.503	5.00
39) T	Methylcyclohexane	0.482	0.496	0.512	0.469	0.462	0.462	0.480	4.24
40) TM	Benzene	1.270	1.343	1.302	1.146	1.181	1.146	1.231	6.90
41) T	Methacrylonitrile	0.076	0.105	0.085	0.079	0.087	0.093	0.087	11.85
42) TM	1,2-Dichloroet...	0.382	0.405	0.404	0.362	0.349	0.331	0.372	8.14
43) T	Isopropyl Acetate	0.300	0.319	0.327	0.309	0.333	0.315	0.317	3.75
44) TM	Trichloroethene	0.373	0.408	0.378	0.336	0.336	0.333	0.361	8.55
45) C	1,2-Dichloropr...	0.309	0.313	0.319	0.285	0.285	0.278	0.298	5.87#
46) T	Dibromomethane	0.188	0.202	0.205	0.181	0.182	0.177	0.189	6.10
47) T	Bromodichlorom...	0.499	0.515	0.517	0.466	0.468	0.450	0.486	5.80
48) T	Methyl methacr...	0.128	0.158	0.143	0.145	0.150	0.146	0.145	6.67
49) T	1,4-Dioxane	0.002	0.001	0.002	0.002	0.002	0.002	0.002	13.25
50) S	Toluene-d8	1.102	1.164	1.121	0.830	0.805	0.799	0.970	18.09
51) T	4-Methyl-2-Pen...	0.155	0.157	0.165	0.161	0.172	0.165	0.162	3.78
52) CM	Toluene	0.782	0.780	0.843	0.783	0.833	0.810	0.805	3.45#
53) T	t-1,3-Dichloro...	0.394	0.391	0.439	0.411	0.429	0.421	0.414	4.57
54) T	cis-1,3-Dichlo...	0.458	0.483	0.501	0.465	0.488	0.479	0.479	3.25
55) T	1,1,2-Trichlor...	0.260	0.243	0.264	0.245	0.254	0.243	0.252	3.62
56) T	Ethyl methacry...	0.231	0.223	0.250	0.263	0.286	0.283	0.256	10.20

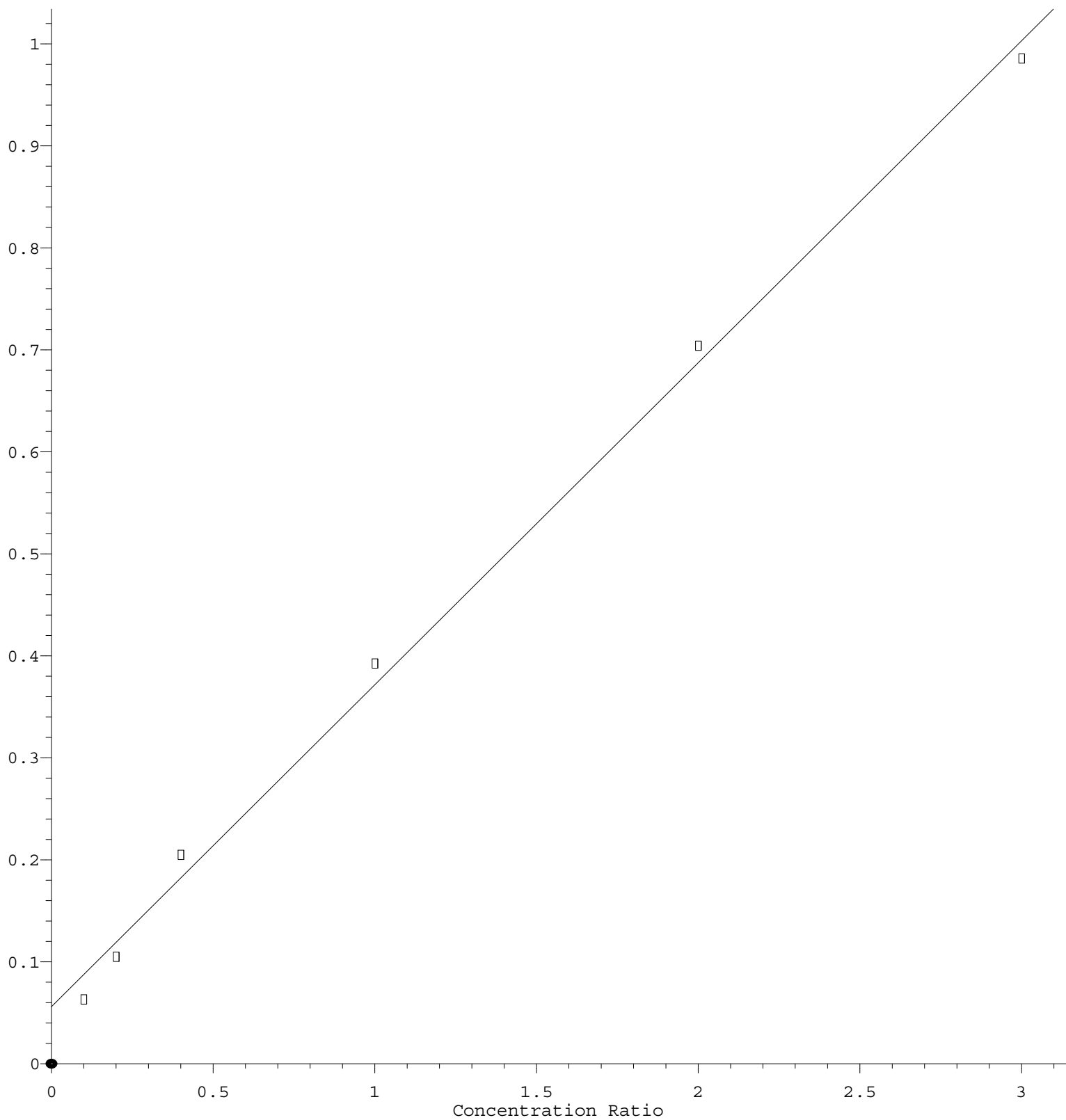
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D081522S.M

57)	T	1,3-Dichloropr...	0.402	0.421	0.413	0.376	0.398	0.382	0.399	4.34
58)	T	2-Chloroethyl ...	0.090	0.082	0.101	0.098	0.109	0.108	0.098	10.68
59)	T	2-Hexanone	0.104	0.101	0.112	0.115	0.120	0.115	0.111	6.56
60)	T	Dibromochlorom...	0.345	0.348	0.345	0.329	0.343	0.331	0.340	2.36
61)	T	1,2-Dibromoethane	0.232	0.264	0.248	0.235	0.250	0.237	0.244	4.97
62)	S	4-Bromofluorob...	0.398	0.418	0.403	0.403	0.392	0.390	0.401	2.52
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.356	0.287	0.349	0.310	0.299	0.297	0.316	9.21
65)	PM	Chlorobenzene	1.010	1.020	1.019	0.942	0.945	0.933	0.978	4.30
66)	T	1,1,1,2-Tetrac...	0.391	0.416	0.390	0.362	0.379	0.368	0.384	5.02
67)	C	Ethyl Benzene	1.633	1.628	1.707	1.676	1.712	1.691	1.675	2.16#
68)	T	m/p-Xylenes	0.643	0.632	0.706	0.679	0.691	0.683	0.672	4.27
69)	T	o-Xylene	0.564	0.547	0.644	0.631	0.644	0.646	0.613	7.36
70)	T	Styrene	1.003	0.977	1.084	1.085	1.137	1.123	1.068	6.04
71)	P	Bromoform	0.206	0.158	0.208	0.209	0.217	0.211	0.201	10.78
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.053	3.122	3.332	2.593	3.350	3.406	3.143	9.65
74)	T	N-amyl acetate	0.578	0.644	0.637	0.485	0.641	0.635	0.603	10.45
75)	P	1,1,2,2-Tetrac...	0.599	0.666	0.611	0.443	0.570	0.560	0.575	12.99
76)	T	1,2,3-Trichlor...	0.479	0.565	0.483	0.346	0.440	0.361	0.446	18.48
77)	T	Bromobenzene	0.749	0.837	0.808	0.593	0.780	0.785	0.759	11.38
78)	T	n-propylbenzene	3.973	3.952	4.174	3.145	4.064	4.045	3.892	9.62
79)	T	2-Chlorotoluene	2.308	2.357	2.337	1.748	2.265	2.250	2.211	10.42
80)	T	1,3,5-Trimethy...	2.626	2.625	2.890	2.235	2.873	2.847	2.683	9.33
81)	T	trans-1,4-Dich...	0.154	0.171	0.168	0.121	0.174	0.171	0.160	12.79
82)	T	4-Chlorotoluene	2.439	2.543	2.499	1.854	2.365	2.356	2.343	10.69
83)	T	tert-Butylbenzene	2.236	2.218	2.445	2.267	2.540	2.540	2.374	6.38
84)	T	1,2,4-Trimethy...	2.640	2.705	2.909	2.591	2.863	2.836	2.757	4.71
85)	T	sec-Butylbenzene	3.404	3.661	3.821	3.460	3.768	3.773	3.648	4.83
86)	T	p-Isopropyltol...	2.809	2.914	3.159	2.928	3.202	3.242	3.042	5.93
87)	T	1,3-Dichlorobe...	1.613	1.809	1.744	1.533	1.625	1.622	1.658	6.06
88)	T	1,4-Dichlorobe...	1.674	1.836	1.734	1.551	1.595	1.574	1.661	6.60
89)	T	n-Butylbenzene	2.727	2.870	2.962	2.729	3.258	2.943	2.915	6.73
90)	T	Hexachloroethane	0.623	0.678	0.637	0.560	0.725	0.602	0.637	9.09
91)	T	1,2-Dichlorobe...	1.417	1.473	1.483	1.359	1.746	1.405	1.481	9.32
92)	T	1,2-Dibromo-3-...	0.109	0.103	0.106	0.082	0.105	0.090	0.099	10.54
93)	T	1,2,4-Trichlor...	0.835	0.850	0.873	0.939	1.314	0.889	0.950	19.15
94)	T	Hexachlorobuta...	0.508	0.572	0.503	0.568	0.782	0.482	0.569	19.42
95)	T	Naphthalene	1.272	1.300	1.448	1.557	2.353	1.670	1.600	24.92
96)	T	1,2,3-Trichlor...	0.711	0.810	0.762	0.823	1.150	0.785	0.840	18.68

(#) = Out of Range

1,2-Dichloroethane-d4

Response Ratio



$$\text{Response} = 3.159\text{e-}001 * \text{Amt} + 5.638\text{e-}002$$

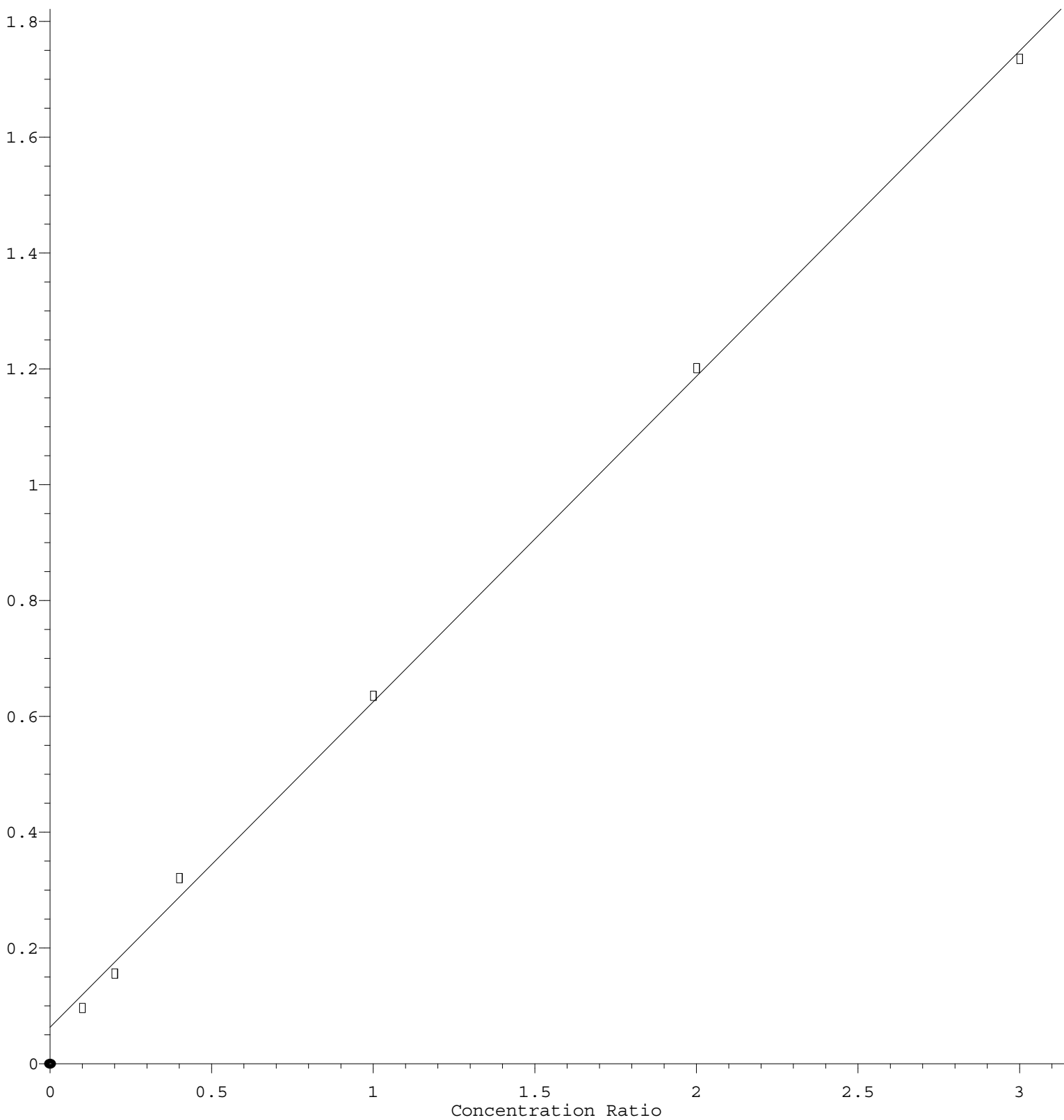
Coef of Det (r^2) = 0.996551 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M

Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

Cyclohexane

Response Ratio



$$\text{Response} = 5.625\text{e-}001 * \text{Amt} + 6.259\text{e-}002$$

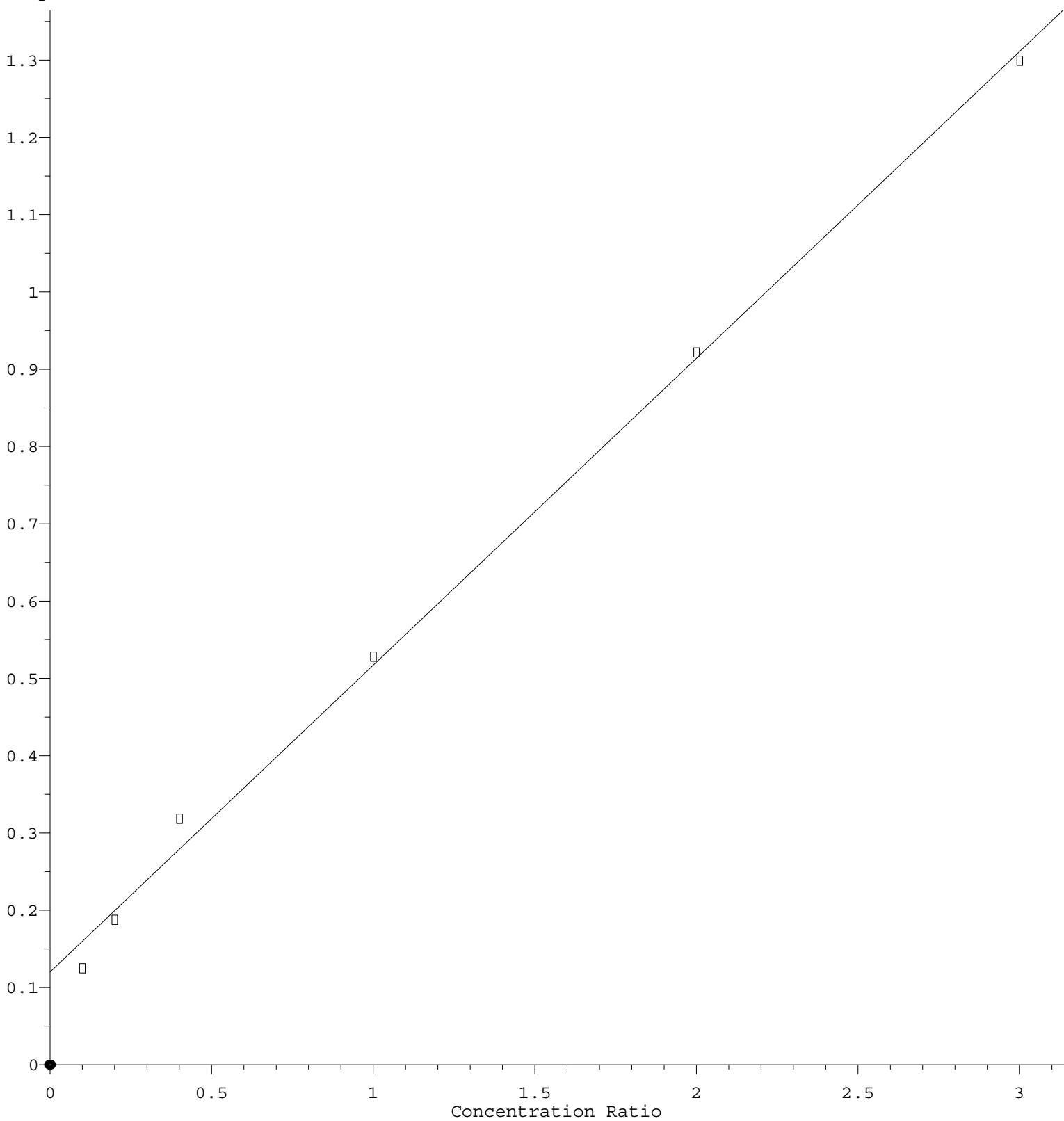
Coef of Det (r^2) = 0.998832 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M

Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

Methylene Chloride

Response Ratio



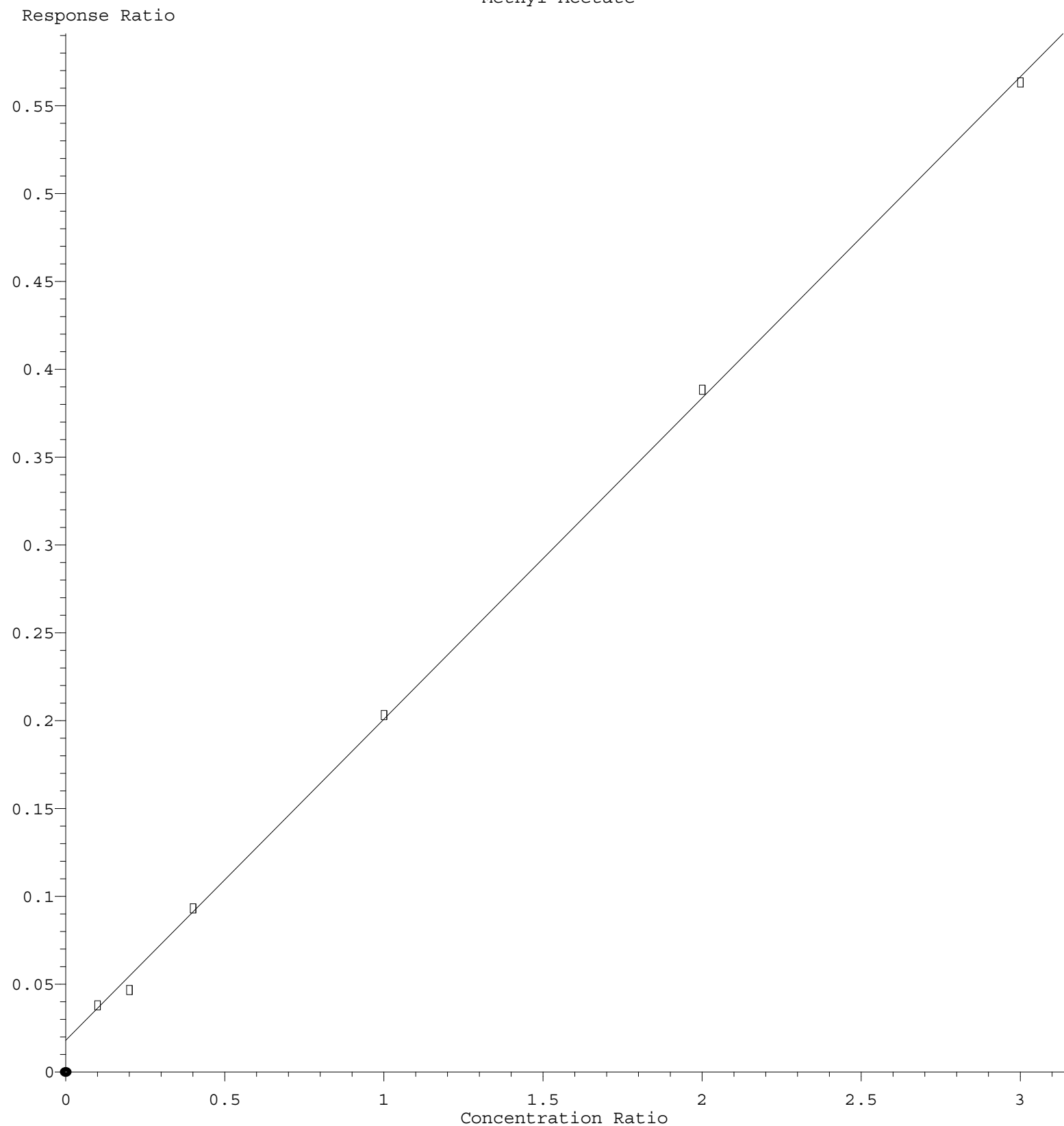
$$\text{Response} = 3.972\text{e-}001 * \text{Amt} + 1.197\text{e-}001$$

Coef of Det (r^2) = 0.996962 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M

Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

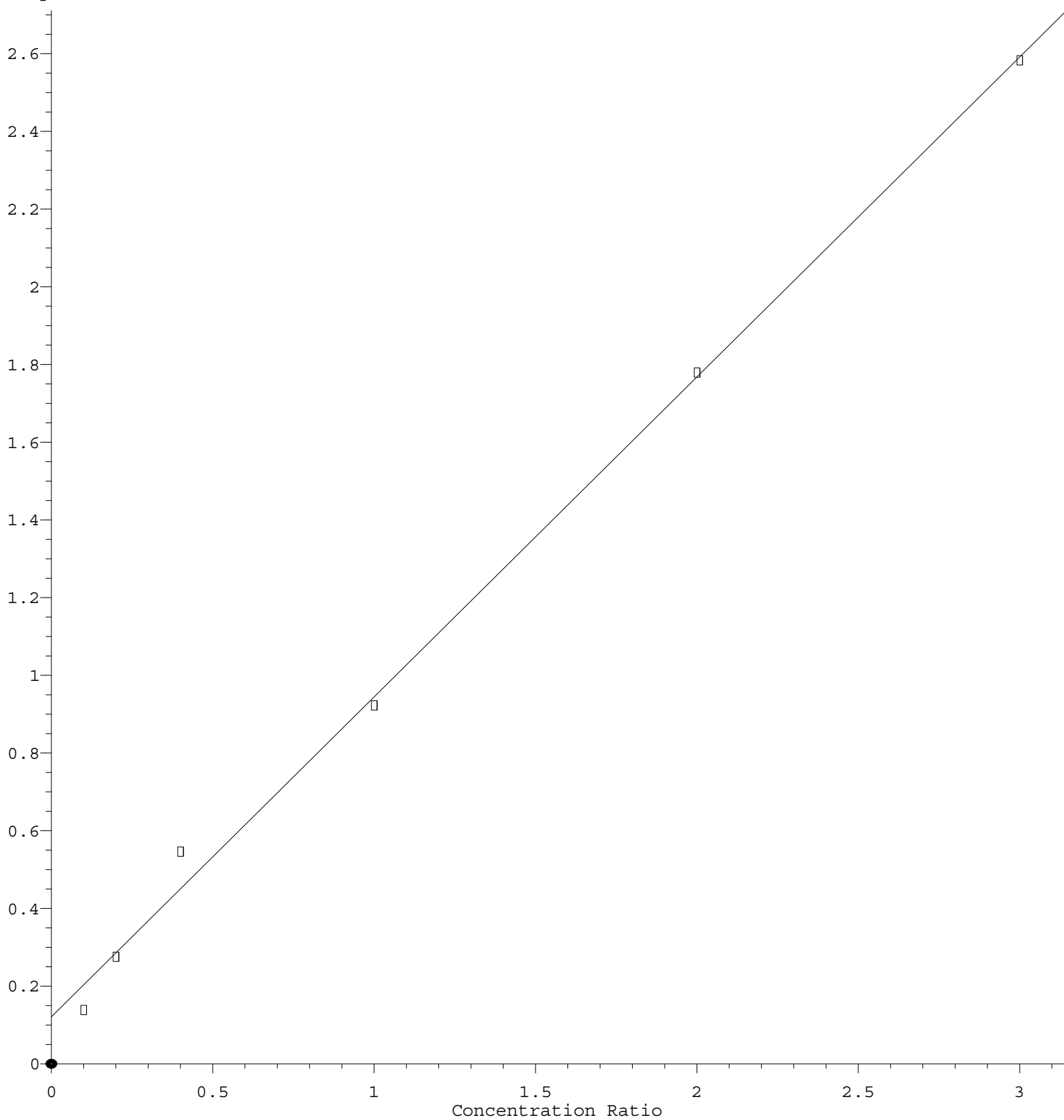
Methyl Acetate



Response = $1.831\text{e-}001 \cdot \text{Amt} + 1.759\text{e-}002$
Coef of Det (r^2) = 0.999528 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M
Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

Carbon Disulfide

Response Ratio



$$\text{Response} = 8.239\text{e-}001 * \text{Amt} + 1.207\text{e-}001$$

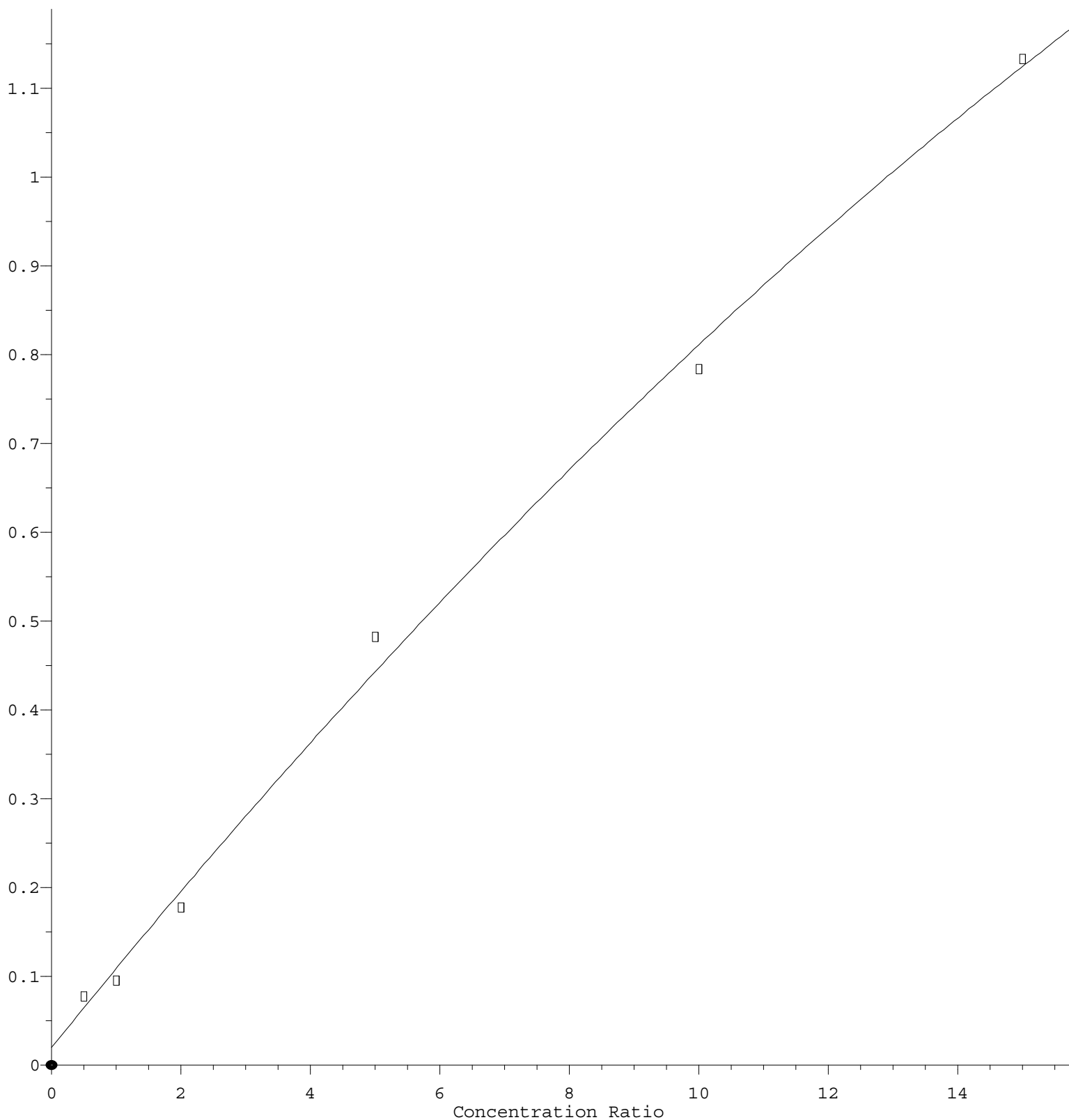
Coef of Det (r^2) = 0.996903 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M

Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

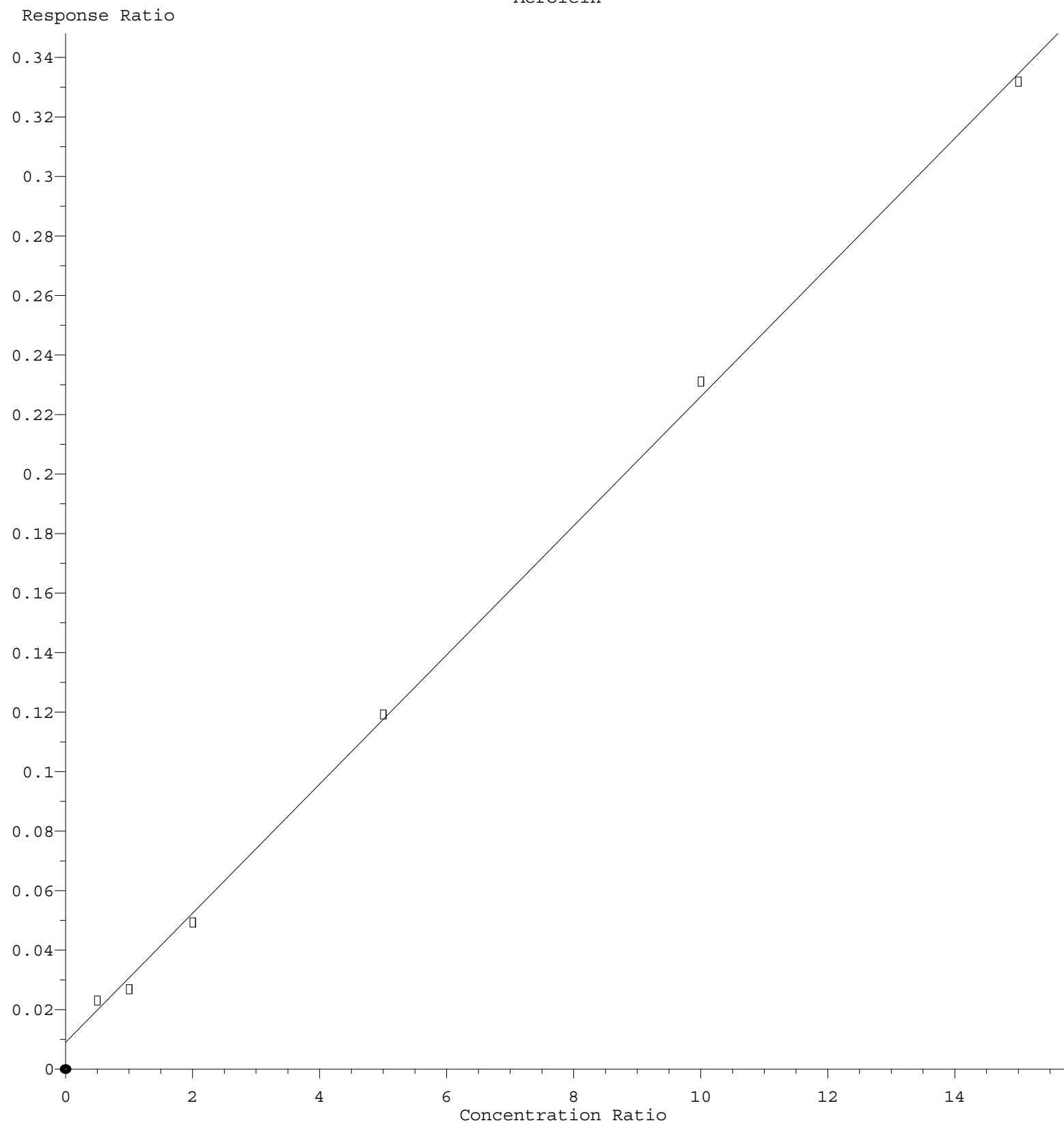
Acetone

Response Ratio



$R = -1.094e-003 A^2 + 9.005e-002 A + 2.013e-002$
 Coef of Det (r^2) = 0.996683 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M
 Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

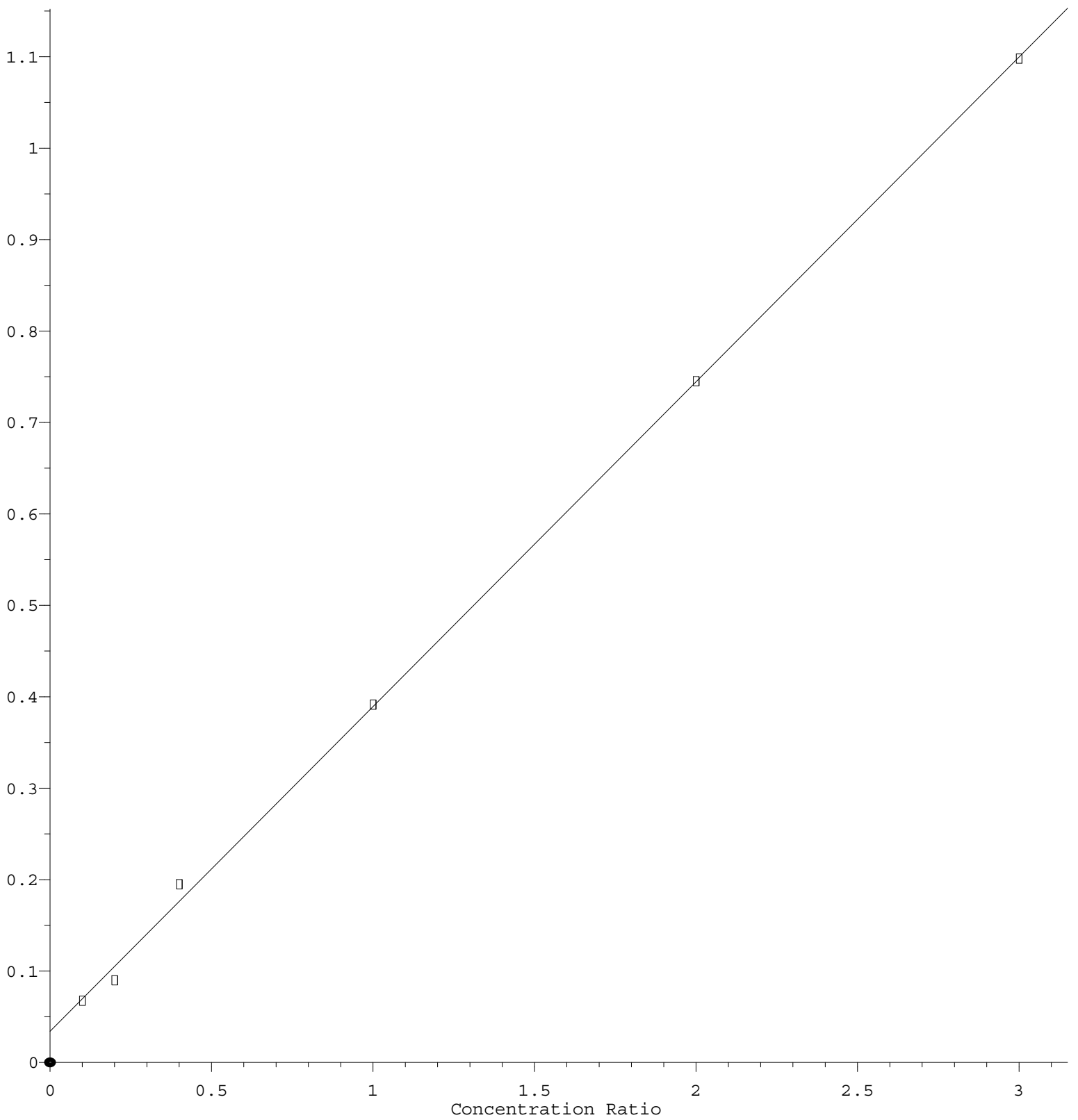
Acrolein



Response = $2.175 \times 10^{-2} \times \text{Amt} + 8.751 \times 10^{-3}$
 Coef of Det (r^2) = 0.999123 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M
 Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

1,1-Dichloroethene

Response Ratio



$$\text{Response} = 3.552\text{e-}001 * \text{Amt} + 3.449\text{e-}002$$

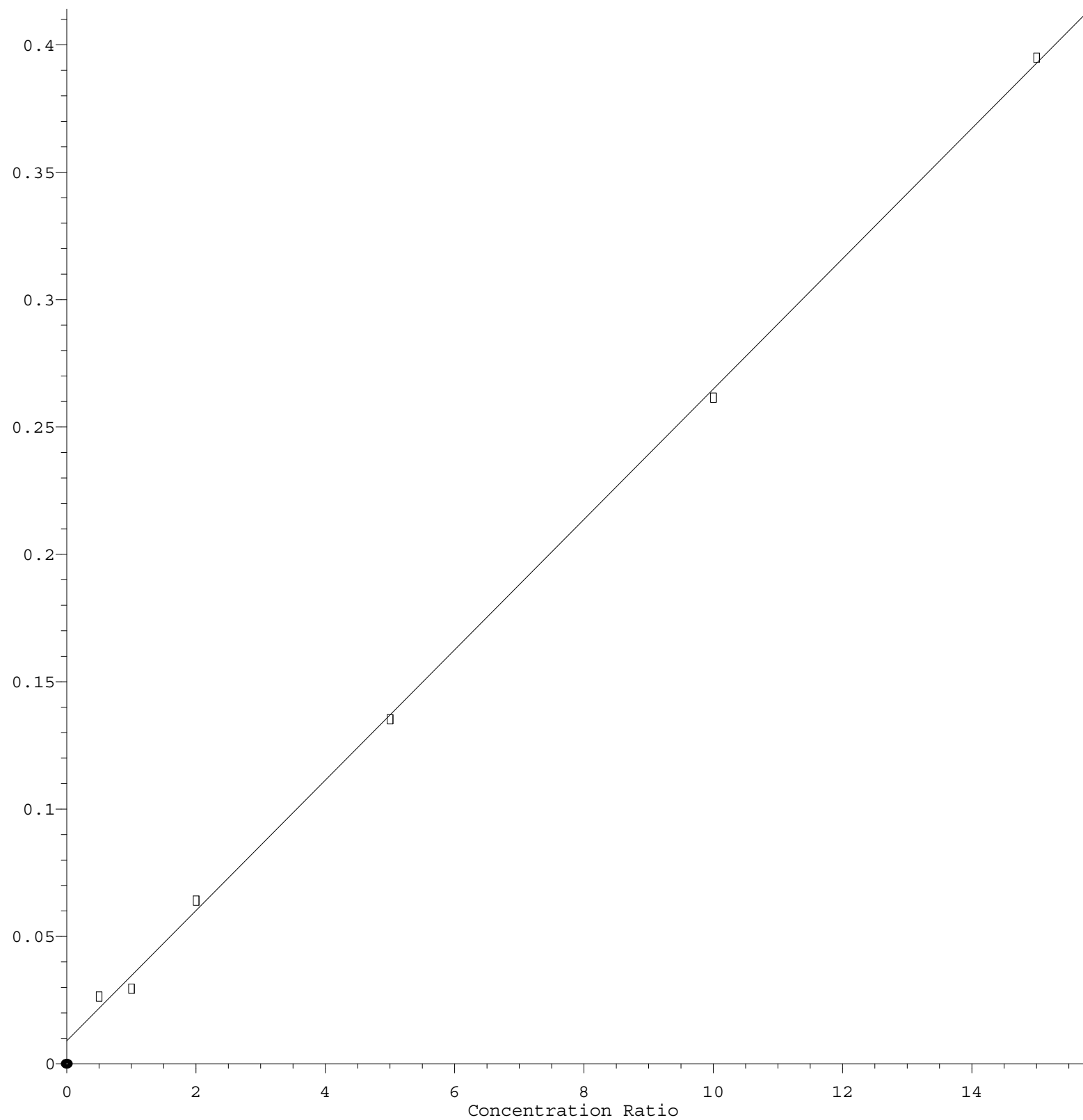
Coef of Det (r^2) = 0.999299 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M

Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

Tert butyl alcohol

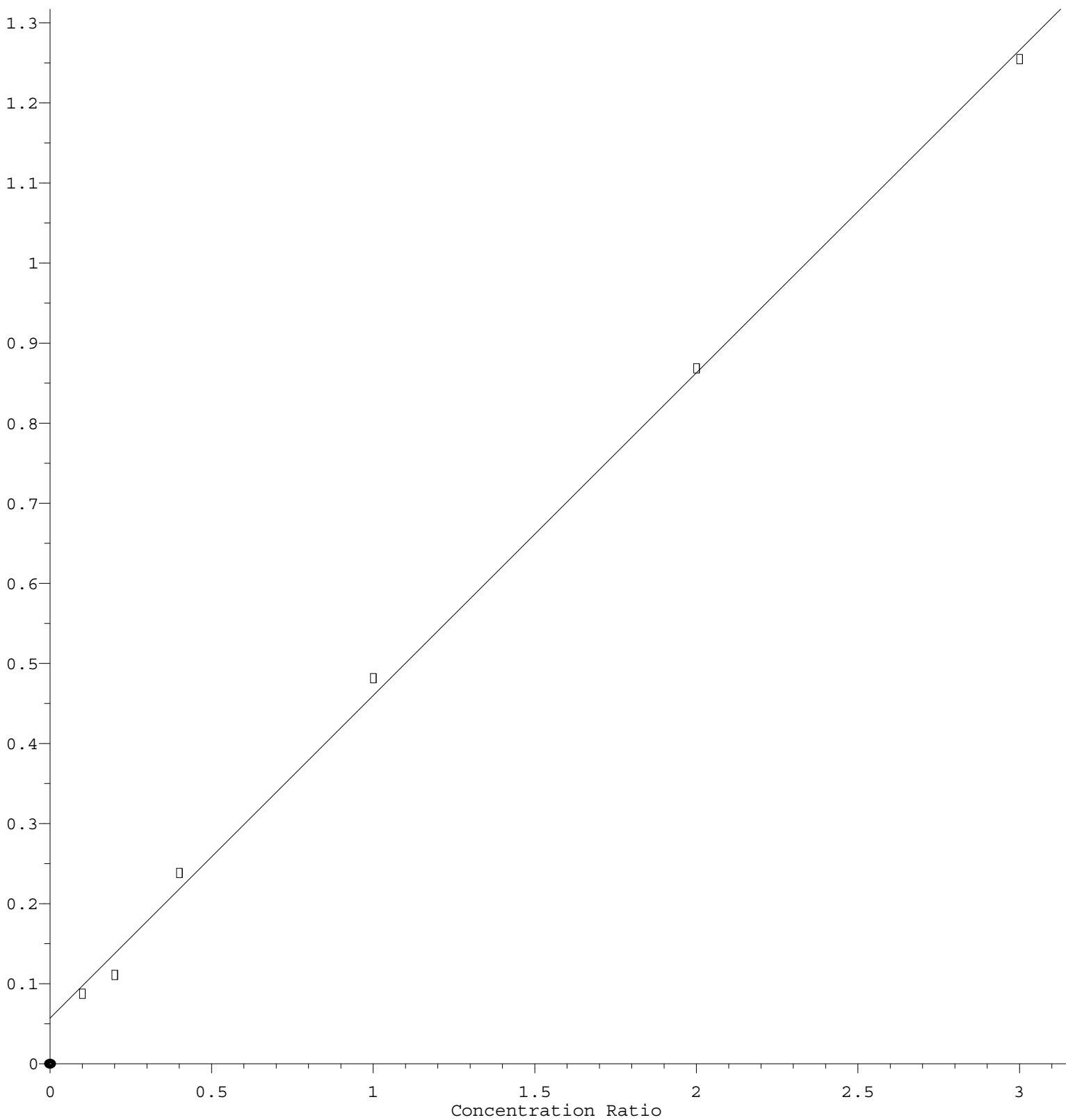
Response Ratio



Response = 2.554e-002 * Amt + 9.308e-003
 Coef of Det (r^2) = 0.999261 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M
 Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

1,1,2-Trichlorotrifluoroethane

Response Ratio



$$\text{Response} = 4.031\text{e-}001 * \text{Amt} + 5.673\text{e-}002$$

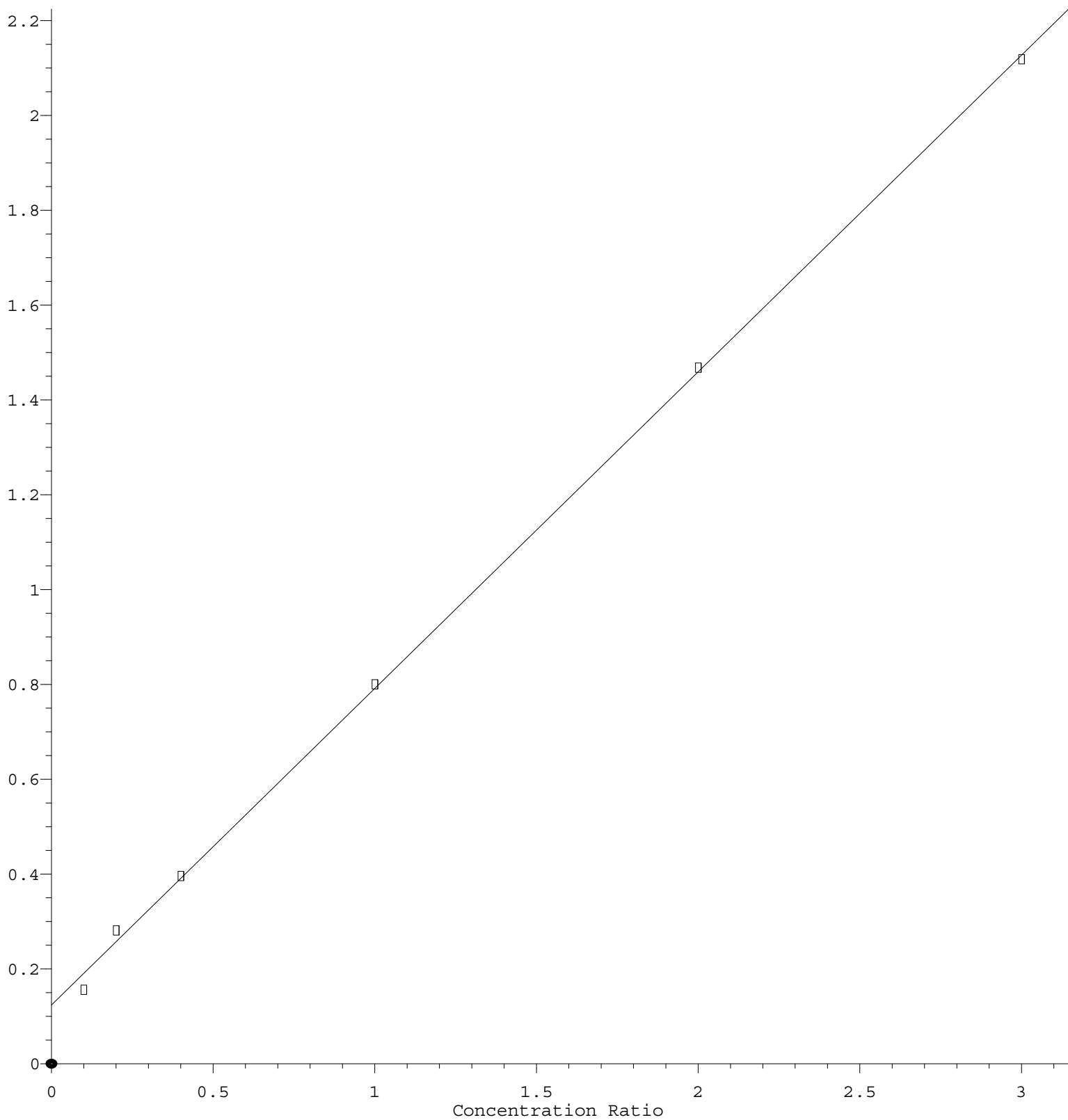
Coef of Det (r^2) = 0.998326 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M

Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

Trichlorofluoromethane

Response Ratio



$$\text{Response} = 6.677\text{e-}001 * \text{Amt} + 1.243\text{e-}001$$

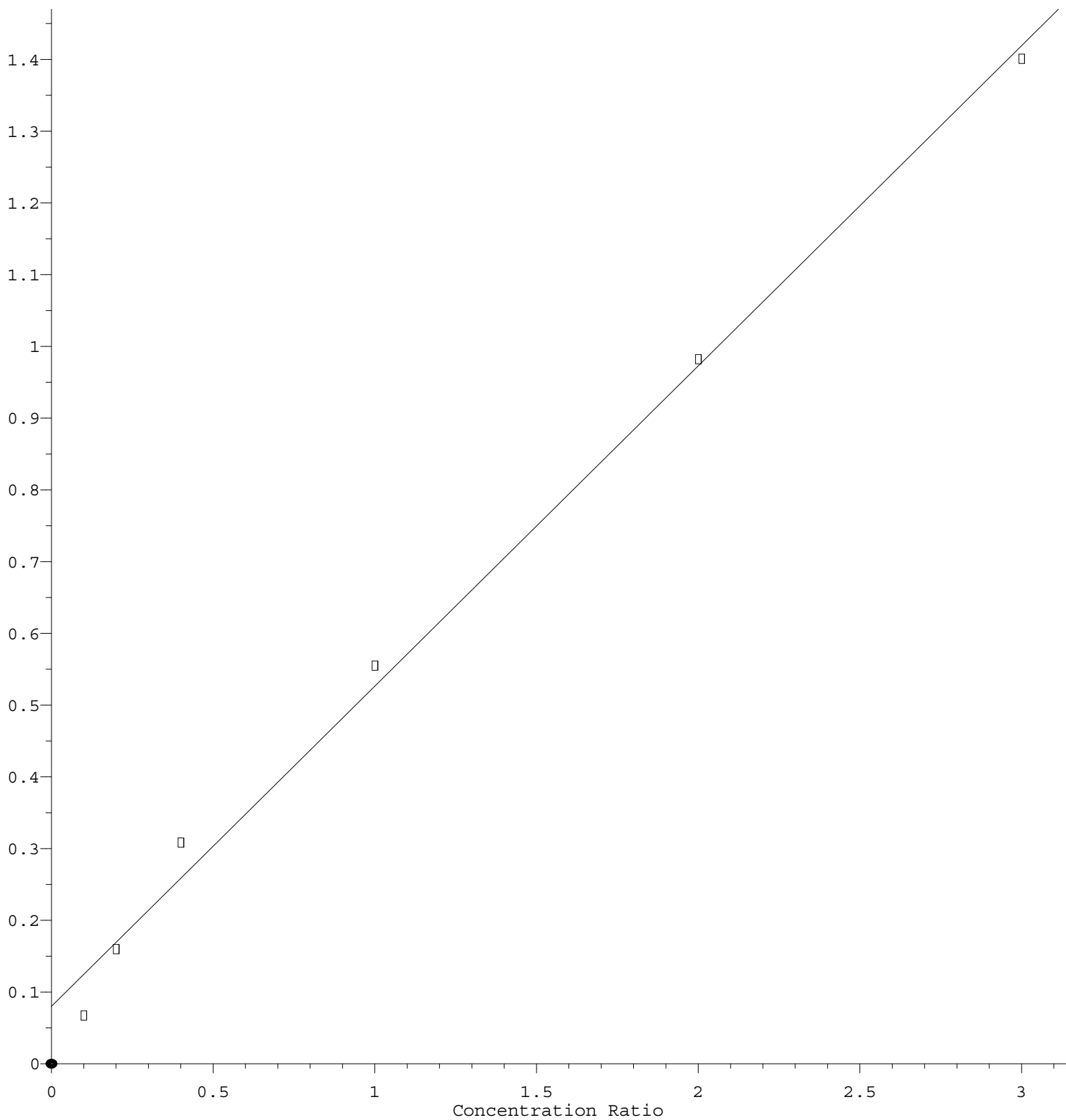
Coef of Det (r^2) = 0.999331 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M

Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

Chloroethane

Response Ratio



$$\text{Response} = 4.466\text{e-}001 * \text{Amt} + 8.011\text{e-}002$$

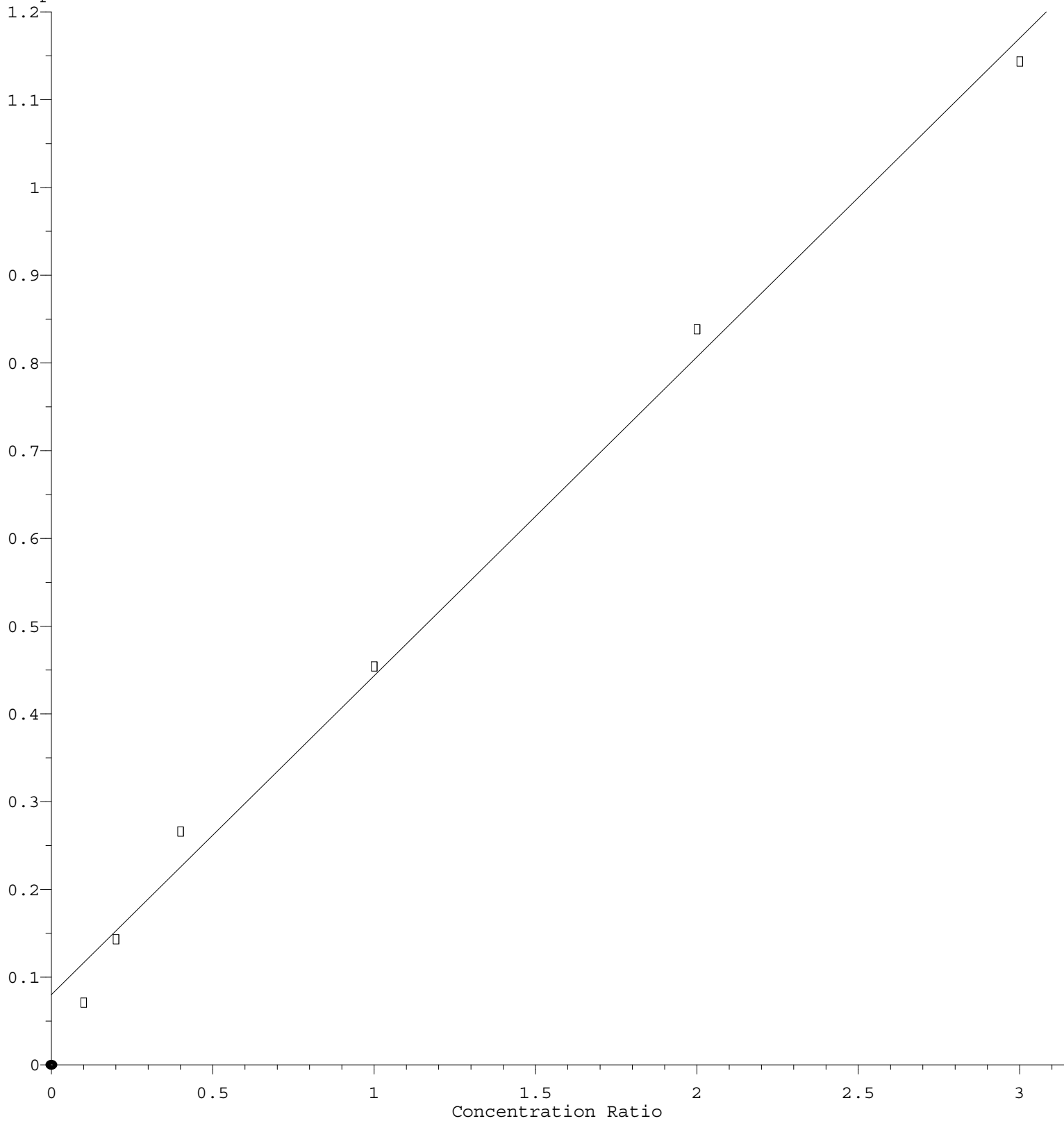
Coef of Det (r^2) = 0.994759 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M

Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

Chloromethane

Response Ratio



$$\text{Response} = 3.637\text{e-}001 * \text{Amt} + 7.976\text{e-}002$$

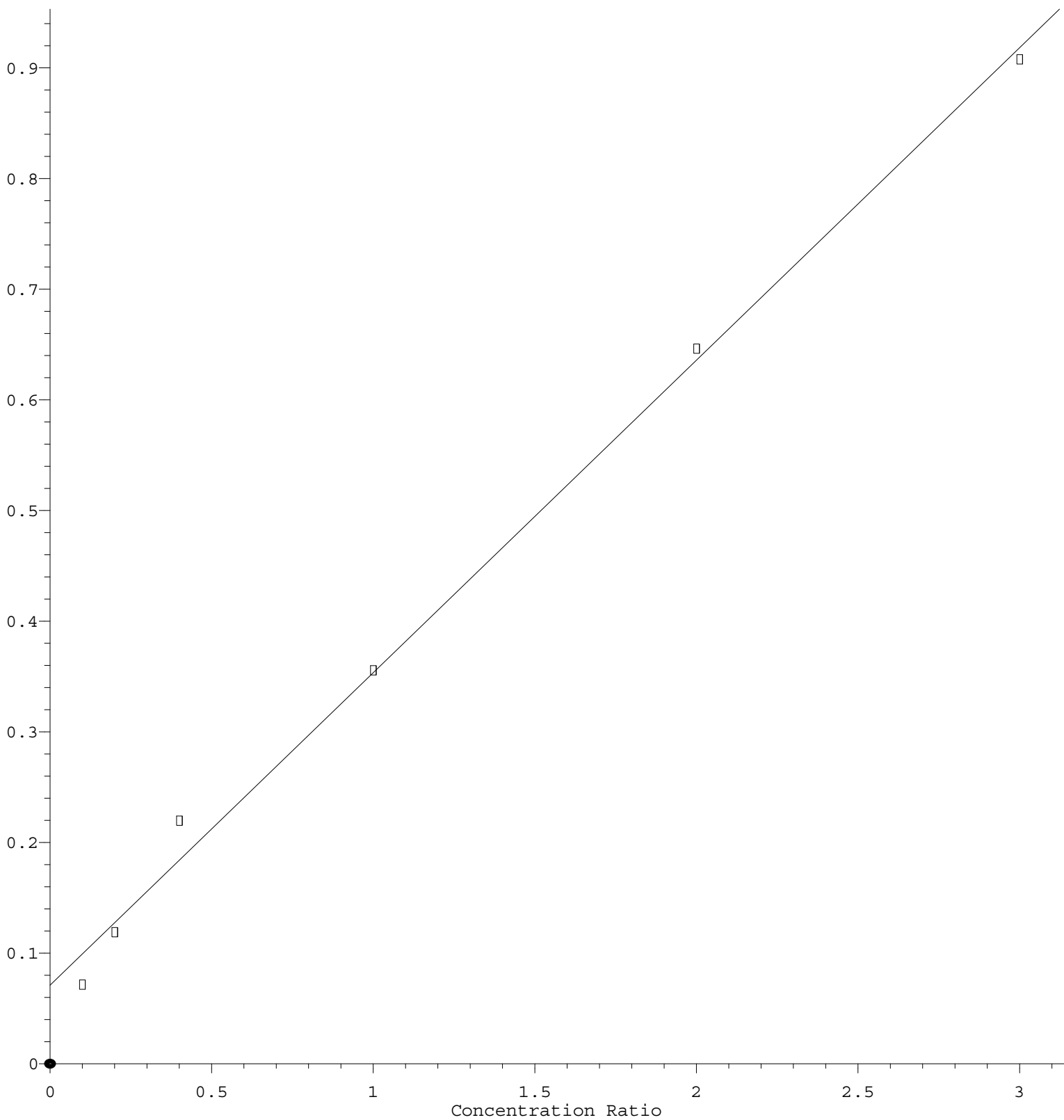
Coef of Det (r^2) = 0.993749 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M

Calibration Table Last Updated: Tue Aug 16 01:41:25 2022

Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 2.823\text{e-}001 * \text{Amt} + 7.133\text{e-}002$$

Coef of Det (r^2) = 0.995649 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D081522S.M

Calibration Table Last Updated: Tue Aug 16 01:41:25 2022