

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D050222S.M
 Title : SW846 8260
 Last Update : Tue May 03 08:33:49 2022
 Response Via : Initial Calibration

Calibration Files

10 =VD072743.D 5 =VD072742.D 20 =VD072744.D 50 =VD072745.D 100 =VD072746.D 150 =VD072747.D

	Compound	10	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.636	0.827	0.655	0.681	0.670	0.676	0.691	9.93
3) P	Chloromethane	0.671	0.876	0.687	0.686	0.682	0.709	0.719	10.87
4) C	Vinyl Chloride	0.627	0.708	0.590	0.656	0.639	0.650	0.645	6.01#
5) T	Bromomethane	0.436	0.588	0.394	0.399	0.390	0.389	0.433	18.07
6) T	Chloroethane	0.376	0.481	0.380	0.389	0.386	0.399	0.402	9.84
7) T	Trichlorofluor...	1.066	1.280	1.069	1.111	1.108	1.141	1.129	7.00
8) T	Diethyl Ether	0.312	0.372	0.298	0.315	0.308	0.337	0.324	8.37
9) T	1,1,2-Trichlor...	0.619	0.761	0.640	0.658	0.660	0.684	0.670	7.40
10) T	Methyl Iodide	0.564	0.657	0.614	0.704	0.713	0.785	0.673	11.62
11) T	Tert butyl alc...	0.078	0.060	0.070	0.048	0.038	0.044	0.056	27.67
12) CM	1,1-Dichloroet...	0.565	0.651	0.567	0.595	0.605	0.634	0.603	5.78#
13) T	Acrolein	0.053	0.060	0.048	0.038	0.035	0.038	0.045	21.70
14) T	Allyl chloride	0.833	1.065	0.901	0.981	0.988	1.073	0.973	9.58
15) T	Acrylonitrile	0.157	0.171	0.147	0.153	0.140	0.155	0.154	6.72
16) T	Acetone	0.142	0.188	0.115	0.140	0.110	0.119	0.136	21.40
17) T	Carbon Disulfide	1.711	2.233	1.767	1.877	1.872	1.915	1.896	9.60
18) T	Methyl Acetate	0.375	0.517	0.370	0.349	0.324	0.365	0.383	17.78
19) T	Methyl tert-bu...	1.383	1.485	1.346	1.490	1.412	1.556	1.445	5.42
20) T	Methylene Chlo...	1.231	1.658	0.938	0.772	0.706	0.721	1.004	37.43
21) T	trans-1,2-Dich...	0.641	0.738	0.673	0.701	0.682	0.713	0.691	4.91
22) T	Diisopropyl ether	2.019	2.163	2.097	2.212	2.099	2.257	2.141	4.05
23) T	Vinyl Acetate	1.151	1.158	1.125	1.235	1.158	1.270	1.183	4.77
24) P	1,1-Dichloroet...	1.271	1.447	1.219	1.260	1.237	1.286	1.286	6.37
25) T	2-Butanone	0.196	0.216	0.171	0.193	0.170	0.188	0.189	9.13
26) T	2,2-Dichloropr...	0.993	1.192	1.019	1.092	1.084	1.145	1.088	6.88
27) T	cis-1,2-Dichlo...	0.713	0.907	0.757	0.784	0.778	0.811	0.792	8.25
28) T	Bromochloromet...	0.466	0.491	0.443	0.498	0.482	0.500	0.480	4.58
29) T	Tetrahydrofuran	0.124	0.126	0.113	0.122	0.113	0.125	0.121	4.81
30) C	Chloroform	1.315	1.603	1.294	1.322	1.287	1.346	1.361	8.84#
31) T	Cyclohexane	1.042	1.260	1.055	1.139	1.144	1.167	1.135	7.03
32) T	1,1,1-Trichlor...	1.102	1.275	1.087	1.154	1.151	1.191	1.160	5.85
33) S	1,2-Dichloroet...	0.653	0.729	0.643	0.619	0.597	0.654	0.649	6.95
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.338	0.386	0.342	0.352	0.335	0.354	0.351	5.30
36) T	1,1-Dichloropr...	0.520	0.568	0.550	0.603	0.591	0.595	0.571	5.54
37) T	Ethyl Acetate	0.262	0.296	0.249	0.277	0.236	0.256	0.262	8.10
38) T	Carbon Tetrach...	0.555	0.617	0.560	0.614	0.603	0.606	0.593	4.63
39) T	Methylcyclohexane	0.570	0.629	0.604	0.700	0.730	0.742	0.662	10.75
40) TM	Benzene	1.590	1.713	1.565	1.701	1.655	1.670	1.649	3.63
41) T	Methacrylonitrile	0.158	0.136	0.155	0.176	0.141	0.173	0.156	10.45
42) TM	1,2-Dichloroet...	0.492	0.549	0.479	0.507	0.470	0.485	0.497	5.67
43) T	Isopropyl Acetate	0.488	0.490	0.452	0.512	0.463	0.502	0.484	4.70
44) TM	Trichloroethene	0.409	0.470	0.427	0.453	0.445	0.442	0.441	4.76
45) C	1,2-Dichloropr...	0.427	0.468	0.413	0.447	0.413	0.430	0.433	4.93#
46) T	Dibromomethane	0.238	0.265	0.229	0.243	0.223	0.235	0.239	6.09
47) T	Bromodichlorom...	0.590	0.671	0.597	0.633	0.587	0.609	0.615	5.25
48) T	Methyl methacr...	0.212	0.246	0.204	0.259	0.239	0.262	0.237	10.16
49) T	1,4-Dioxane	0.003	0.003	0.002	0.003	0.002	0.003	0.003	11.39
50) S	Toluene-d8	1.170	1.183	1.265	1.277	1.282	1.381	1.260	6.08
51) T	4-Methyl-2-Pen...	0.250	0.258	0.237	0.269	0.240	0.256	0.252	4.73
52) CM	Toluene	0.957	0.989	0.976	1.099	1.074	1.076	1.029	5.94#
53) T	t-1,3-Dichloro...	0.540	0.593	0.542	0.592	0.549	0.570	0.564	4.33
54) T	cis-1,3-Dichlo...	0.639	0.670	0.649	0.679	0.637	0.660	0.656	2.58
55) T	1,1,2-Trichlor...	0.330	0.341	0.318	0.334	0.303	0.312	0.323	4.44
56) T	Ethyl methacry...	0.334	0.366	0.350	0.425	0.387	0.419	0.380	9.68

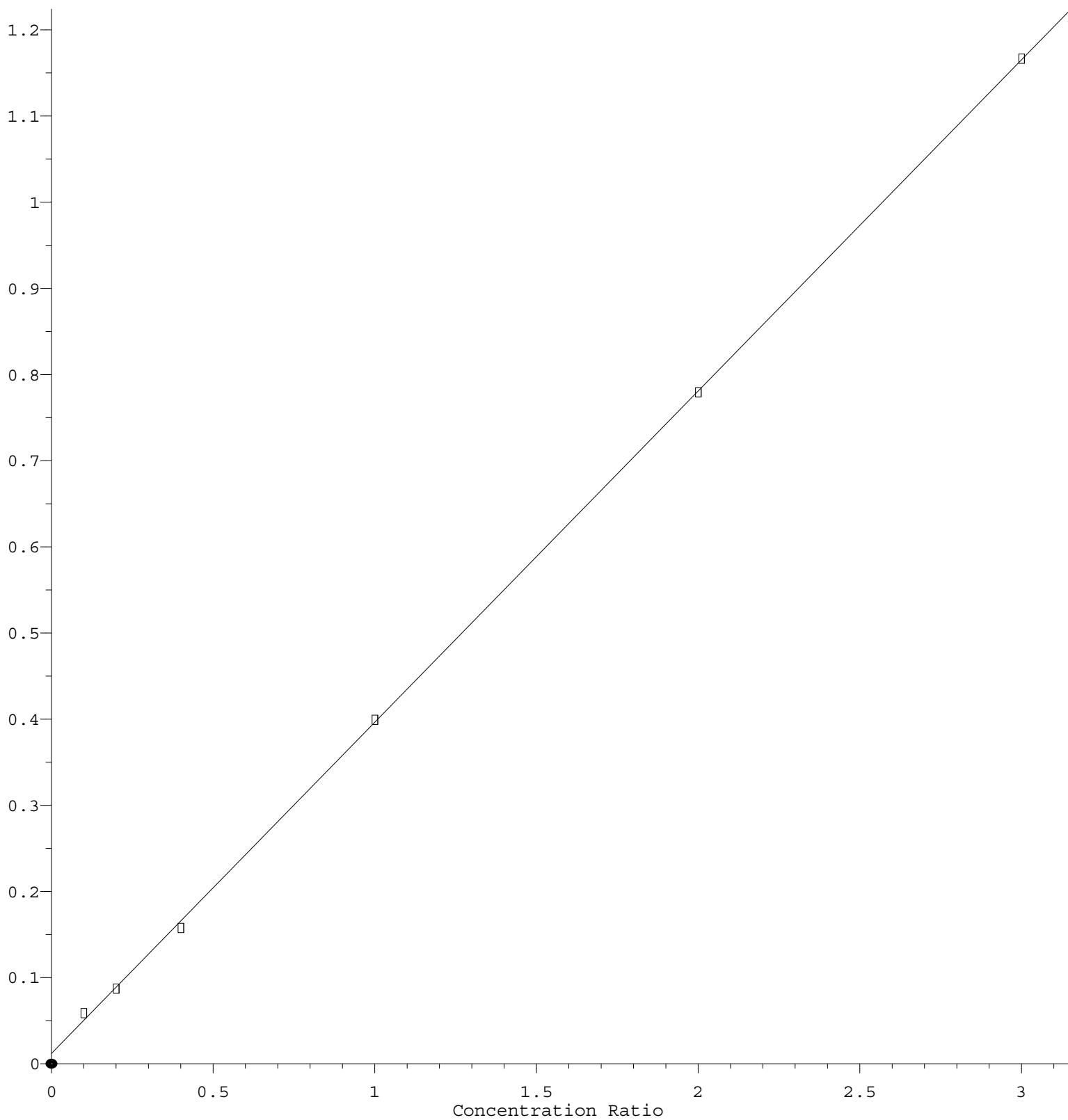
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D050222S.M

57)	T	1,3-Dichloropr...	0.558	0.579	0.540	0.566	0.531	0.552	0.554	3.15
58)	T	2-Chloroethyl ...	0.155	0.170	0.159	0.207	0.200	0.215	0.184	14.18
59)	T	2-Hexanone	0.166	0.161	0.159	0.192	0.163	0.176	0.169	7.38
60)	T	Dibromochlorom...	0.408	0.446	0.392	0.413	0.382	0.397	0.407	5.50
61)	T	1,2-Dibromoethane	0.322	0.334	0.303	0.326	0.292	0.310	0.314	4.96
62)	S	4-Bromofluorob...	0.435	0.467	0.461	0.482	0.466	0.507	0.470	5.06
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.322	0.407	0.366	0.365	0.367	0.366	0.366	7.34
65)	PM	Chlorobenzene	1.093	1.188	1.133	1.176	1.172	1.177	1.156	3.16
66)	T	1,1,1,2-Tetrac...	0.427	0.441	0.429	0.446	0.431	0.434	0.435	1.69
67)	C	Ethyl Benzene	1.769	1.823	1.958	2.110	2.173	2.175	2.001	8.91#
68)	T	m/p-Xylenes	0.702	0.665	0.773	0.828	0.832	0.826	0.771	9.37
69)	T	o-Xylene	0.656	0.623	0.698	0.773	0.782	0.788	0.720	9.85
70)	T	Styrene	1.139	1.063	1.244	1.344	1.346	1.350	1.247	9.86
71)	P	Bromoform	0.241	0.252	0.230	0.239	0.224	0.228	0.236	4.35
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.286	3.278	3.799	4.081	4.492	4.404	3.890	13.66
74)	T	N-amyl acetate	0.908	0.864	0.907	1.018	1.042	1.074	0.969	8.91
75)	P	1,1,2,2-Tetrac...	0.820	0.819	0.774	0.768	0.757	0.774	0.785	3.46
76)	T	1,2,3-Trichlor...	0.560	0.506	0.555	0.588	0.568	0.569	0.558	4.97
77)	T	Bromobenzene	0.866	0.915	0.883	0.940	0.967	0.972	0.924	4.74
78)	T	n-propylbenzene	4.223	4.229	4.768	5.170	5.581	5.447	4.903	12.10
79)	T	2-Chlorotoluene	2.569	2.643	2.825	2.923	3.132	3.091	2.864	8.03
80)	T	1,3,5-Trimethy...	2.870	2.746	3.286	3.511	3.724	3.654	3.299	12.43
81)	T	trans-1,4-Dich...	0.225	0.235	0.236	0.254	0.247	0.257	0.242	5.10
82)	T	4-Chlorotoluene	2.836	2.670	2.954	3.075	3.257	3.163	2.992	7.26
83)	T	tert-Butylbenzene	2.354	2.402	2.672	2.950	3.259	3.189	2.804	13.89
84)	T	1,2,4-Trimethy...	2.927	2.848	3.270	3.468	3.658	3.613	3.297	10.49
85)	T	sec-Butylbenzene	3.654	3.517	4.151	4.470	4.859	4.728	4.230	13.15
86)	T	p-Isopropyltol...	3.052	2.843	3.360	3.687	3.980	3.885	3.468	13.27
87)	T	1,3-Dichlorobe...	1.788	1.884	1.813	1.854	1.946	1.880	1.861	3.01
88)	T	1,4-Dichlorobe...	1.817	1.893	1.810	1.839	1.902	1.858	1.853	2.07
89)	T	n-Butylbenzene	2.821	2.844	3.216	3.581	3.913	3.782	3.359	14.03
90)	T	Hexachloroethane	0.647	0.683	0.686	0.713	0.766	0.767	0.710	6.79
91)	T	1,2-Dichlorobe...	1.565	1.621	1.614	1.641	1.654	1.635	1.622	1.92
92)	T	1,2-Dibromo-3-...	0.119	0.147	0.116	0.123	0.118	0.124	0.124	8.98
93)	T	1,2,4-Trichlor...	0.920	0.897	0.906	1.005	1.007	1.028	0.960	6.14
94)	T	Hexachlorobuta...	0.481	0.545	0.510	0.523	0.551	0.537	0.525	4.93
95)	T	Naphthalene	1.559	1.530	1.623	1.905	1.946	2.032	1.766	12.43
96)	T	1,2,3-Trichlor...	0.807	0.823	0.805	0.897	0.882	0.895	0.851	5.19

(#) = Out of Range

Bromomethane

Response Ratio



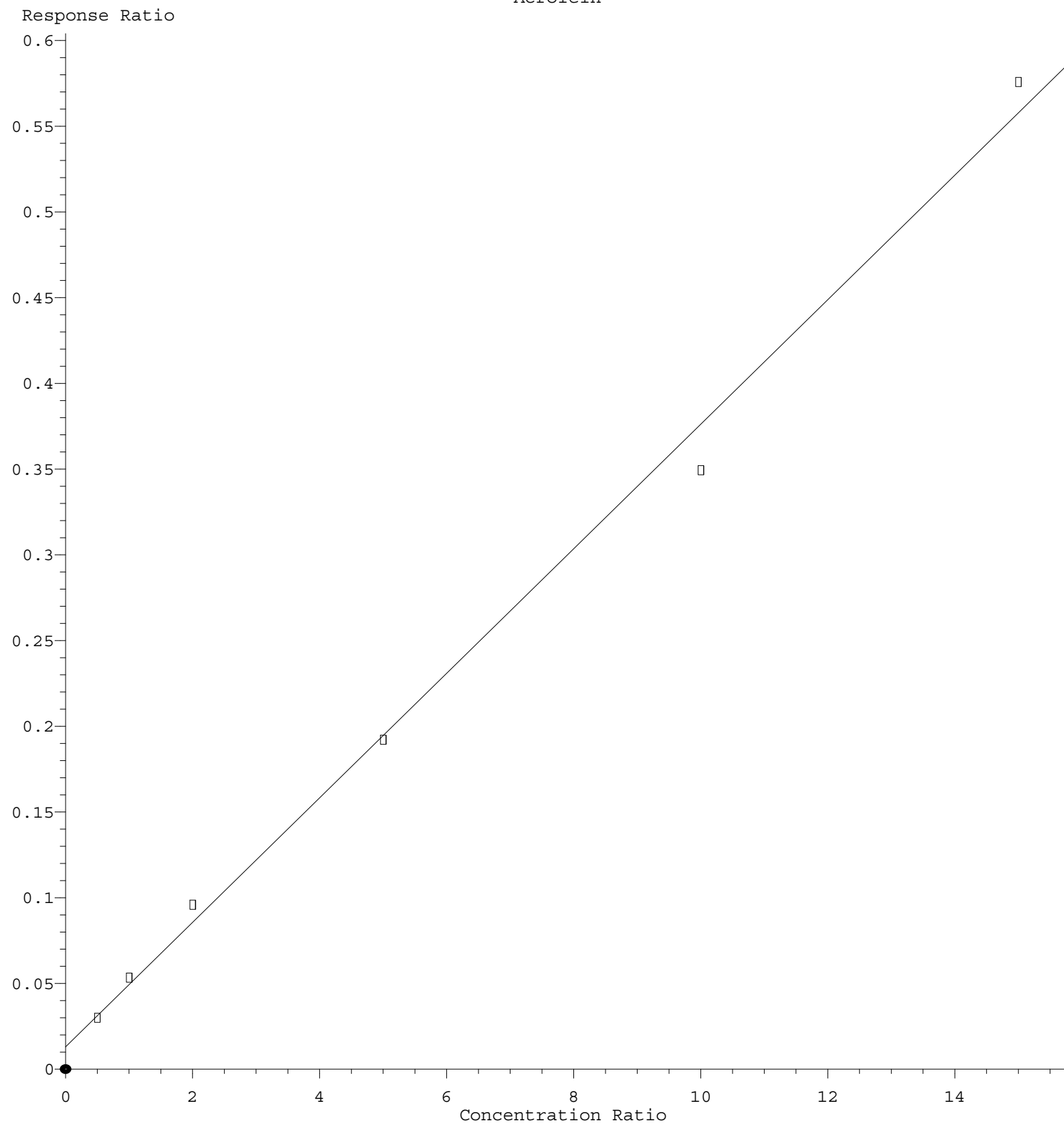
$$\text{Response} = 3.843\text{e-}001 * \text{Amt} + 1.225\text{e-}002$$

Coef of Det (r^2) = 0.999849 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D050222S.M

Calibration Table Last Updated: Tue May 03 08:33:49 2022

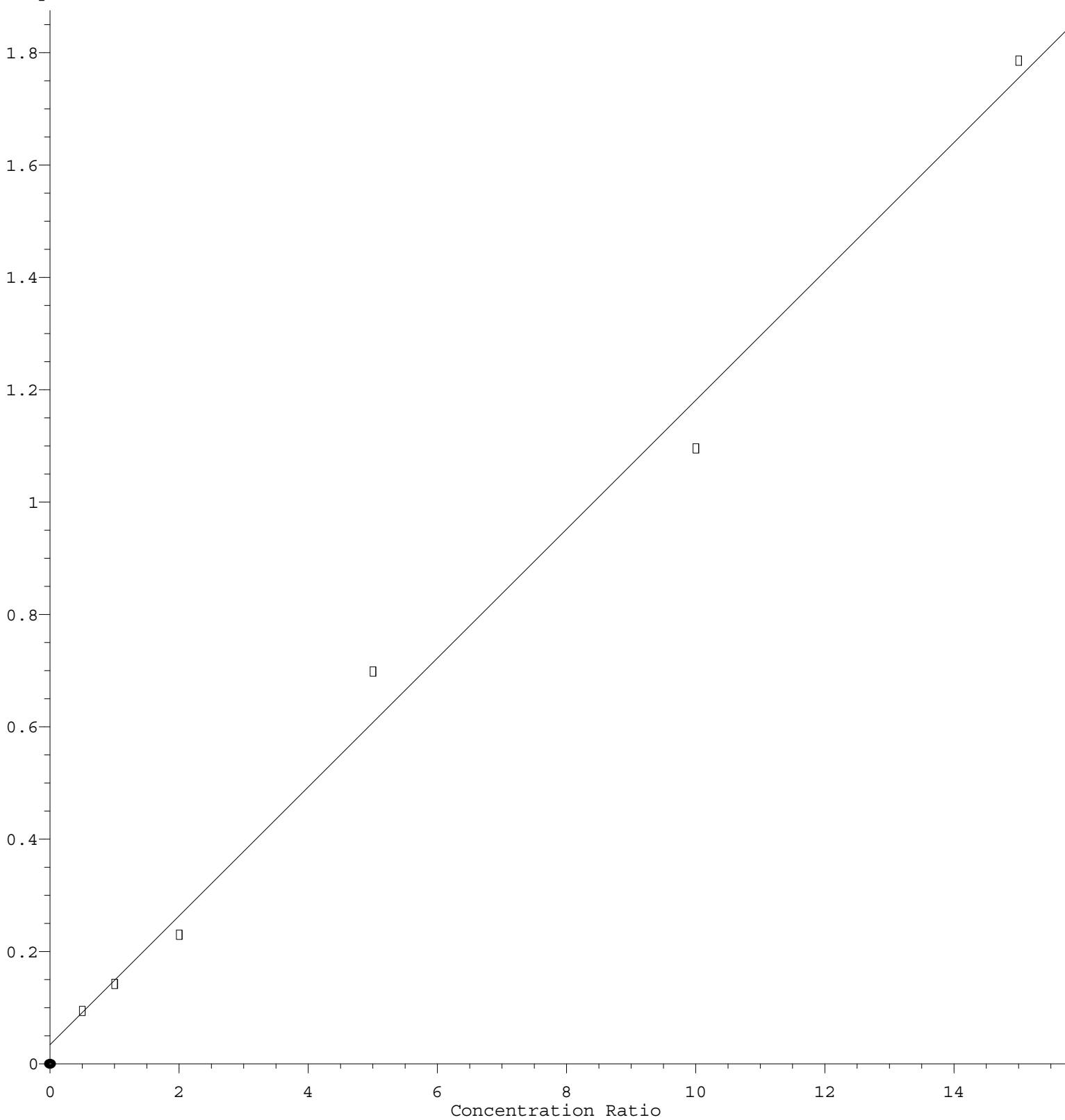
Acrolein



Response = $3.634 \times 10^{-2} \times \text{Amt} + 1.318 \times 10^{-2}$
 Coef of Det (r^2) = 0.994742 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D050222S.M
 Calibration Table Last Updated: Tue May 03 08:33:49 2022

Acetone

Response Ratio



$$\text{Response} = 1.147\text{e-}001 * \text{Amt} + 3.387\text{e-}002$$

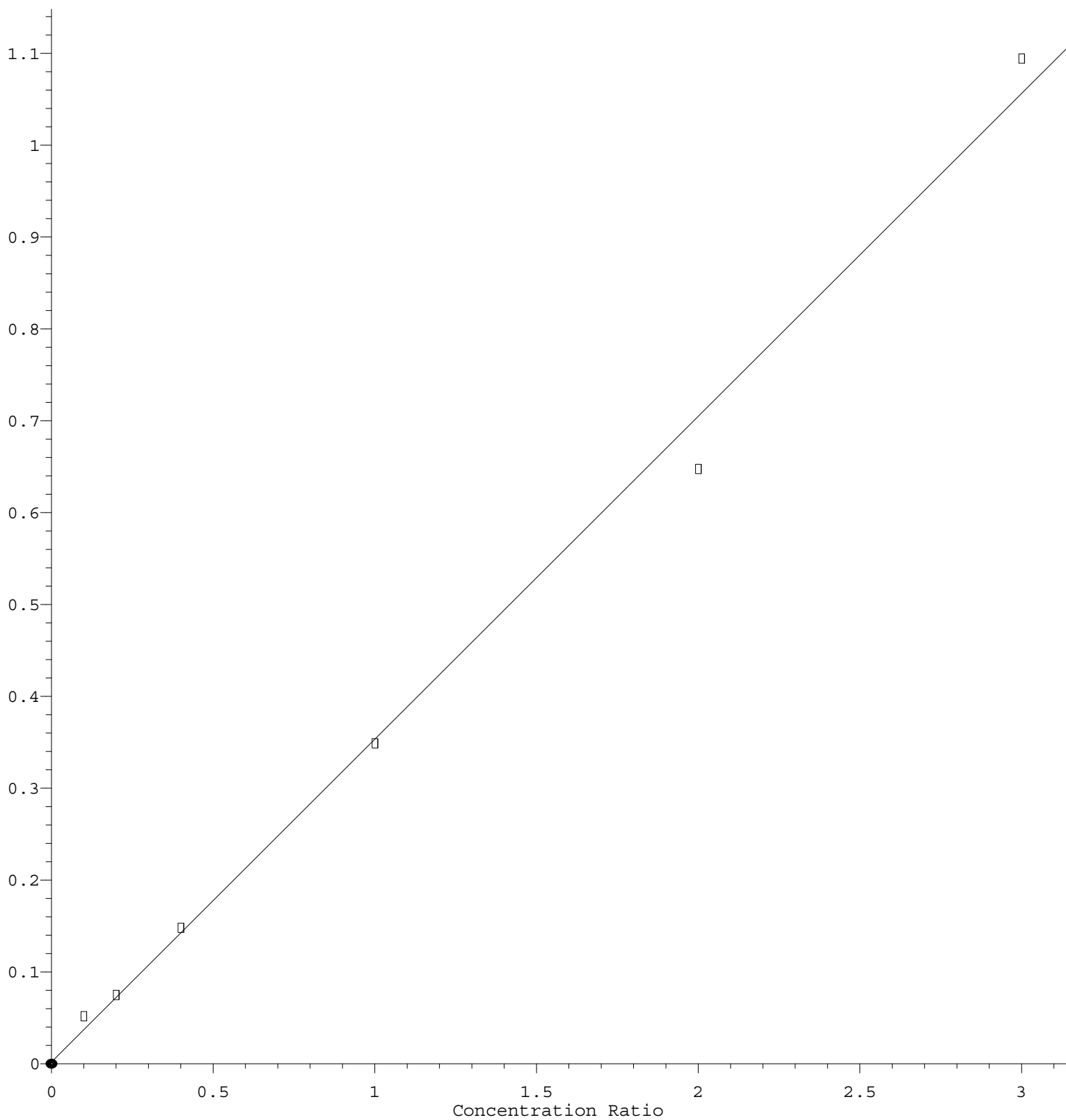
Coef of Det (r^2) = 0.992053 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D050222S.M

Calibration Table Last Updated: Tue May 03 08:33:49 2022

Methyl Acetate

Response Ratio



$$\text{Response} = 3.514\text{e-}001 * \text{Amt} + 1.740\text{e-}003$$

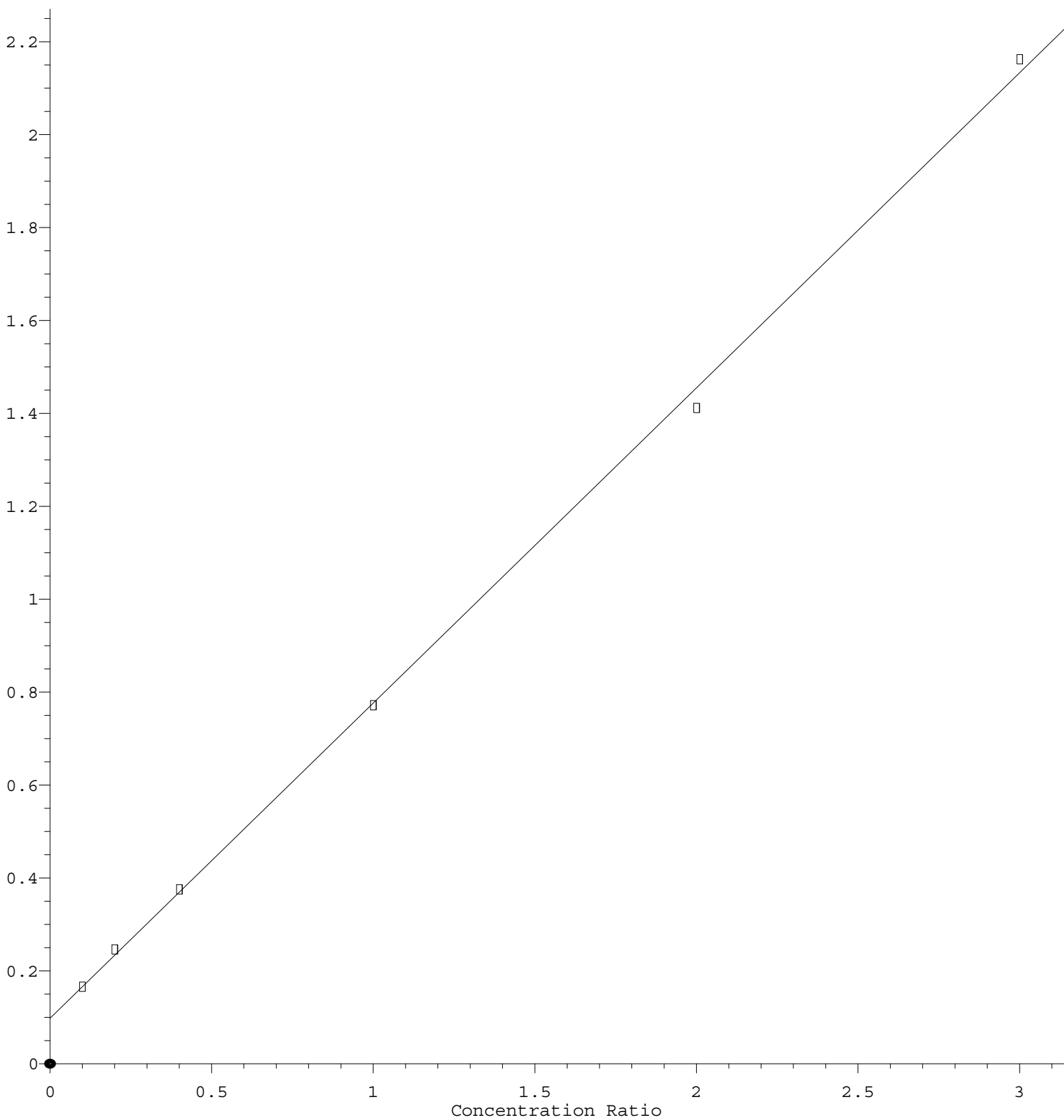
Coef of Det (r^2) = 0.994019 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D050222S.M

Calibration Table Last Updated: Tue May 03 08:33:49 2022

Methylene Chloride

Response Ratio



$$\text{Response} = 6.786\text{e-}001 * \text{Amt} + 9.770\text{e-}002$$

Coef of Det (r^2) = 0.999058 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D050222S.M

Calibration Table Last Updated: Tue May 03 08:33:49 2022