

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y100322S.M
 Title : SW846 8260
 Last Update : Tue Oct 04 07:26:22 2022
 Response Via : Initial Calibration

Calibration Files

5 =VY010759.D 10 =VY010760.D 20 =VY010761.D 50 =VY010762.D 100 =VY010763.D 150 =VY010764.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.368	0.360	0.350	0.350	0.330	0.320	0.346	5.25
3) P	Chloromethane	0.636	0.592	0.576	0.570	0.550	0.533	0.576	6.21
4) C	Vinyl Chloride	0.739	0.724	0.688	0.701	0.664	0.647	0.694	5.04#
5) T	Bromomethane	0.584	0.510	0.489	0.464	0.455	0.452	0.492	10.16
6) T	Chloroethane	0.491	0.473	0.473	0.463	0.441	0.434	0.462	4.62
7) T	Trichlorofluor...	0.915	0.866	0.845	0.829	0.804	0.810	0.845	4.86
8) T	Diethyl Ether	0.282	0.261	0.276	0.268	0.265	0.279	0.272	3.13
9) T	1,1,2-Trichlor...	0.520	0.495	0.479	0.479	0.465	0.469	0.484	4.18
10) T	Methyl Iodide	0.630	0.625	0.642	0.678	0.654	0.656	0.648	2.98
11) T	Tert butyl alc...	0.133	0.076	0.081	0.045	0.042	0.048	0.071	49.03
12) CM	1,1-Dichloroet...	0.490	0.472	0.474	0.470	0.461	0.470	0.473	2.00#
13) T	Acrolein	0.044	0.042	0.048	0.033	0.032	0.034	0.039	16.79
14) T	Allyl chloride	0.665	0.686	0.704	0.712	0.730	0.749	0.708	4.28
15) T	Acrylonitrile	0.134	0.124	0.139	0.130	0.128	0.139	0.132	4.57
16) T	Acetone	0.134	0.115	0.120	0.140	0.122	0.142	0.129	8.96
17) T	Carbon Disulfide	1.613	1.536	1.522	1.520	1.481	1.495	1.528	3.02
18) T	Methyl Acetate	0.366	0.309	0.348	0.306	0.306	0.337	0.329	7.71
19) T	Methyl tert-bu...	1.218	1.137	1.240	1.241	1.260	1.329	1.237	5.05
20) T	Methylene Chlo...	0.920	0.848	0.675	0.570	0.529	0.526	0.678	25.05
21) T	trans-1,2-Dich...	0.584	0.544	0.543	0.547	0.544	0.551	0.552	2.88
22) T	Diisopropyl ether	1.477	1.459	1.535	1.581	1.614	1.645	1.552	4.81
23) T	Vinyl Acetate	0.855	0.843	0.944	0.967	0.988	1.044	0.940	8.31
24) P	1,1-Dichloroet...	0.974	0.937	0.935	0.934	0.941	0.950	0.945	1.63
25) T	2-Butanone	0.192	0.161	0.184	0.192	0.180	0.202	0.185	7.54
26) T	2,2-Dichloropr...	1.028	0.883	0.866	0.872	0.861	0.872	0.897	7.18
27) T	cis-1,2-Dichlo...	0.621	0.590	0.602	0.616	0.620	0.627	0.613	2.27
28) T	Bromochloromet...	0.304	0.192	0.202	0.360	0.369	0.374	0.300	28.00
29) T	Tetrahydrofuran	0.107	0.097	0.115	0.108	0.107	0.119	0.109	7.07
30) C	Chloroform	1.037	0.966	0.962	0.969	0.958	0.960	0.975	3.13#
31) T	Cyclohexane	1.031	0.903	0.878	0.874	0.881	0.876	0.907	6.80
32) T	1,1,1-Trichlor...	0.901	0.870	0.871	0.878	0.873	0.879	0.879	1.29
33) S	1,2-Dichloroet...	0.554	0.465	0.479	0.521	0.511	0.511	0.507	6.23
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.312	0.376	0.381	0.310	0.304	0.308	0.332	10.93
36) T	1,1-Dichloropr...	0.475	0.473	0.468	0.487	0.481	0.490	0.479	1.77
37) T	Ethyl Acetate	0.221	0.214	0.253	0.237	0.231	0.254	0.235	6.93
38) T	Carbon Tetrach...	0.504	0.495	0.487	0.502	0.499	0.507	0.499	1.50
39) T	Methylcyclohexane	0.554	0.554	0.578	0.611	0.611	0.624	0.589	5.25
40) TM	Benzene	1.402	1.341	1.359	1.388	1.388	1.403	1.380	1.81
41) T	Methacrylonitrile	0.129	0.089	0.129	0.125	0.149	0.141	0.127	16.31
42) TM	1,2-Dichloroet...	0.404	0.380	0.388	0.390	0.385	0.395	0.390	2.13
43) T	Isopropyl Acetate	0.398	0.377	0.440	0.430	0.434	0.474	0.426	7.98
44) TM	Trichloroethene	0.384	0.362	0.365	0.378	0.373	0.381	0.374	2.38
45) C	1,2-Dichloropr...	0.331	0.322	0.324	0.336	0.339	0.346	0.333	2.81#
46) T	Dibromomethane	0.190	0.182	0.190	0.190	0.192	0.199	0.190	2.84
47) T	Bromodichlorom...	0.451	0.451	0.450	0.462	0.466	0.476	0.459	2.28
48) T	Methyl methacr...	0.179	0.173	0.204	0.205	0.210	0.228	0.200	10.17
49) T	1,4-Dioxane	0.002	0.002	0.003	0.002	0.002	0.003	0.002	11.50
50) S	Toluene-d8	1.216	0.908	0.930	1.257	1.246	1.254	1.135	14.83
51) T	4-Methyl-2-Pen...	0.217	0.201	0.245	0.239	0.236	0.258	0.233	8.73
52) CM	Toluene	0.848	0.837	0.852	0.902	0.906	0.926	0.878	4.25#
53) T	t-1,3-Dichloro...	0.445	0.441	0.460	0.491	0.496	0.520	0.476	6.68
54) T	cis-1,3-Dichlo...	0.522	0.512	0.525	0.555	0.568	0.585	0.545	5.32
55) T	1,1,2-Trichlor...	0.271	0.257	0.266	0.266	0.265	0.278	0.267	2.69
56) T	Ethyl methacry...	0.288	0.295	0.340	0.359	0.372	0.405	0.343	13.20

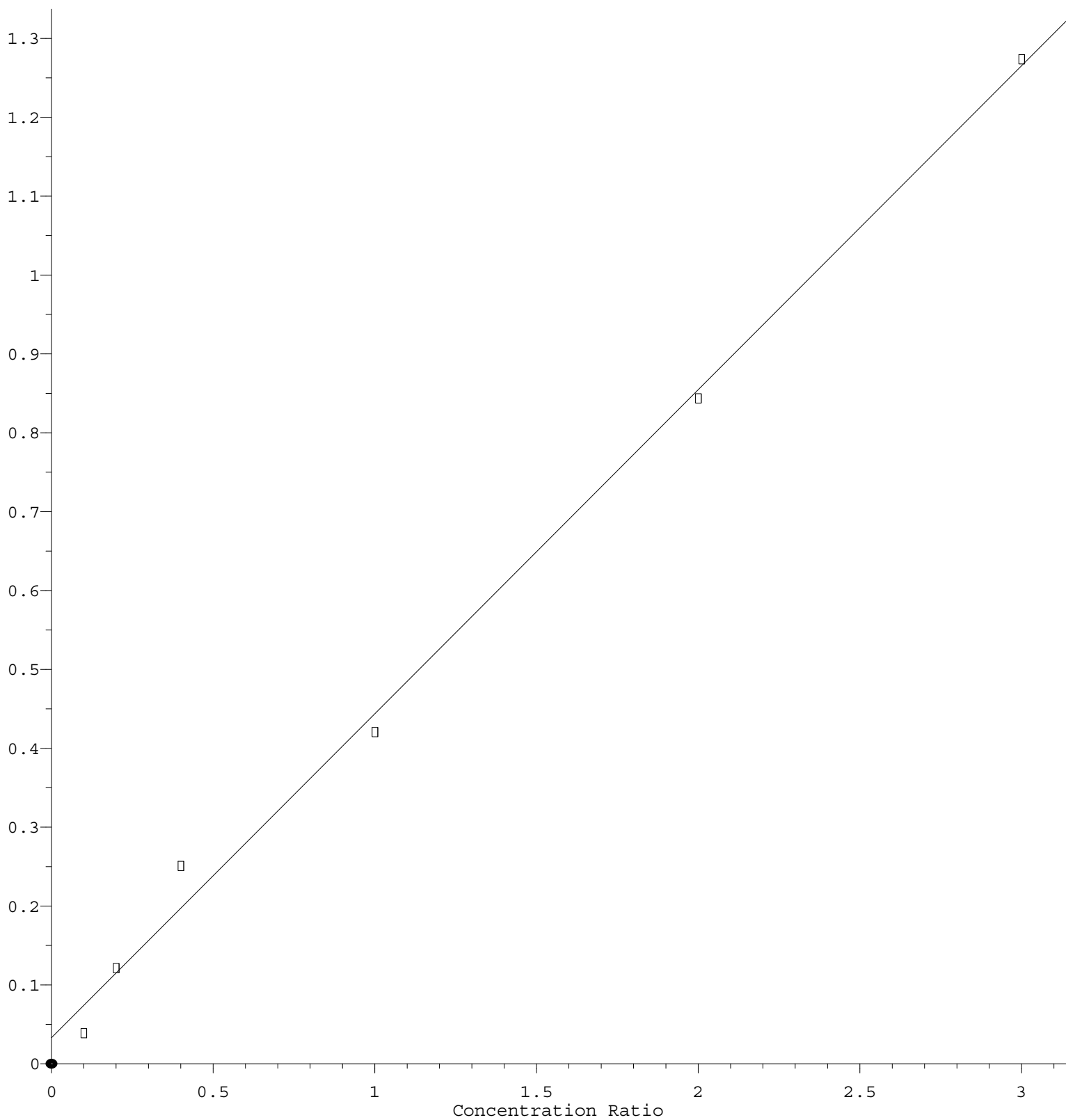
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y100322S.M

57)	T	1,3-Dichloropr...	0.442	0.433	0.451	0.458	0.460	0.480	0.454	3.63
58)	T	2-Chloroethyl ...	0.136	0.107	0.121	0.175	0.177	0.195	0.152	23.25
59)	T	2-Hexanone	0.137	0.132	0.165	0.176	0.168	0.190	0.161	13.87
60)	T	Dibromochlorom...	0.313	0.299	0.316	0.328	0.326	0.340	0.320	4.50
61)	T	1,2-Dibromoethane	0.254	0.240	0.257	0.255	0.255	0.268	0.255	3.54
62)	S	4-Bromofluorob...	0.388	0.606	0.627	0.421	0.422	0.424	0.481	21.99
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.410	0.393	0.392	0.397	0.390	0.396	0.396	1.76
65)	PM	Chlorobenzene	1.056	1.020	1.021	1.040	1.031	1.045	1.035	1.38
66)	T	1,1,1,2-Tetrac...	0.377	0.368	0.370	0.384	0.382	0.390	0.378	2.26
67)	C	Ethyl Benzene	1.784	1.767	1.813	1.920	1.931	1.967	1.863	4.59#
68)	T	m/p-Xylenes	0.701	0.698	0.709	0.750	0.752	0.765	0.729	4.05
69)	T	o-Xylene	0.648	0.646	0.658	0.703	0.708	0.728	0.682	5.21
70)	T	Styrene	1.043	1.063	1.118	1.198	1.223	1.250	1.149	7.56
71)	P	Bromoform	0.219	0.209	0.227	0.228	0.228	0.241	0.225	4.63
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.535	3.524	3.622	3.718	3.805	3.851	3.676	3.74
74)	T	N-amyl acetate	0.717	0.725	0.847	0.878	0.913	0.989	0.845	12.68
75)	P	1,1,2,2-Tetrac...	0.737	0.651	0.706	0.661	0.660	0.704	0.687	5.01
76)	T	1,2,3-Trichlor...	0.449	0.493	0.541	0.503	0.512	0.540	0.506	6.76
77)	T	Bromobenzene	0.860	0.816	0.828	0.835	0.856	0.865	0.843	2.34
78)	T	n-propylbenzene	4.351	4.326	4.417	4.558	4.620	4.588	4.477	2.85
79)	T	2-Chlorotoluene	2.479	2.433	2.452	2.507	2.571	2.586	2.505	2.50
80)	T	1,3,5-Trimethy...	3.031	3.035	3.091	3.151	3.174	3.173	3.109	2.13
81)	T	trans-1,4-Dich...	0.236	0.214	0.240	0.242	0.251	0.272	0.242	7.87
82)	T	4-Chlorotoluene	2.642	2.539	2.550	2.620	2.677	2.686	2.619	2.39
83)	T	tert-Butylbenzene	2.557	2.523	2.607	2.709	2.757	2.751	2.650	3.84
84)	T	1,2,4-Trimethy...	2.914	2.944	3.052	3.144	3.144	3.142	3.057	3.46
85)	T	sec-Butylbenzene	3.895	3.860	3.909	4.111	4.110	4.055	3.990	2.88
86)	T	p-Isopropyltol...	3.151	3.187	3.321	3.460	3.493	3.471	3.347	4.52
87)	T	1,3-Dichlorobe...	1.743	1.707	1.658	1.716	1.722	1.723	1.711	1.67
88)	T	1,4-Dichlorobe...	1.764	1.679	1.680	1.695	1.678	1.673	1.695	2.04
89)	T	n-Butylbenzene	2.931	2.918	3.026	3.205	3.212	3.189	3.080	4.51
90)	T	Hexachloroethane	0.668	0.644	0.625	0.631	0.639	0.634	0.640	2.34
91)	T	1,2-Dichlorobe...	1.514	1.466	1.473	1.495	1.498	1.506	1.492	1.26
92)	T	1,2-Dibromo-3-...	0.117	0.104	0.115	0.107	0.104	0.115	0.110	5.50
93)	T	1,2,4-Trichlor...	0.855	0.818	0.859	0.869	0.918	0.934	0.875	4.92
94)	T	Hexachlorobuta...	0.572	0.553	0.543	0.523	0.525	0.521	0.540	3.76
95)	T	Naphthalene	1.461	1.442	1.665	1.697	1.804	1.940	1.668	11.60
96)	T	1,2,3-Trichlor...	0.713	0.712	0.739	0.746	0.769	0.798	0.746	4.47

(#) = Out of Range

4-Bromofluorobenzene

Response Ratio



$$\text{Response} = 4.108\text{e-}001 * \text{Amt} + 3.263\text{e-}002$$

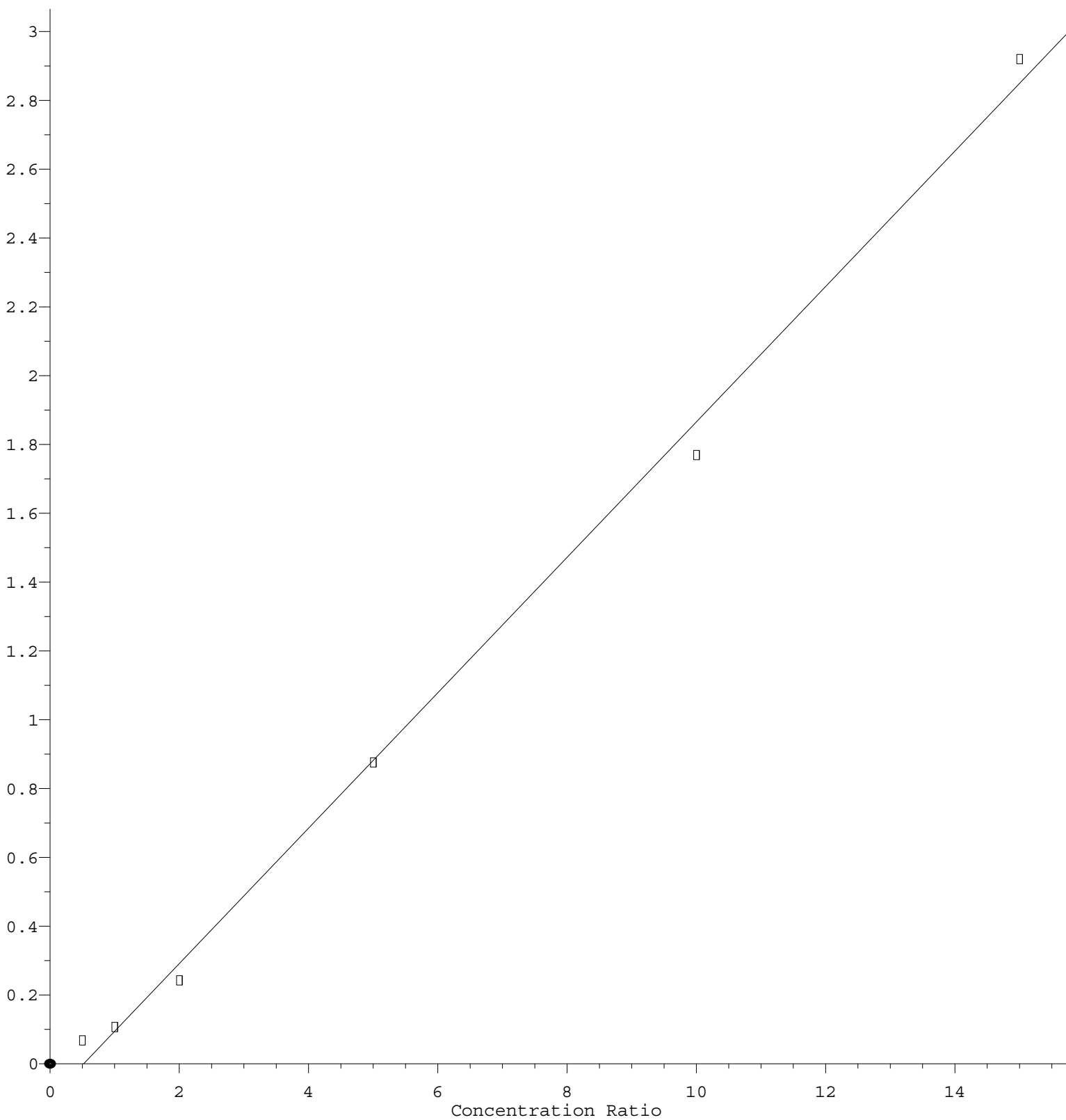
Coef of Det (r^2) = 0.995727 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100322S.M

Calibration Table Last Updated: Tue Oct 04 07:26:22 2022

2-Chloroethyl Vinyl ether

Response Ratio



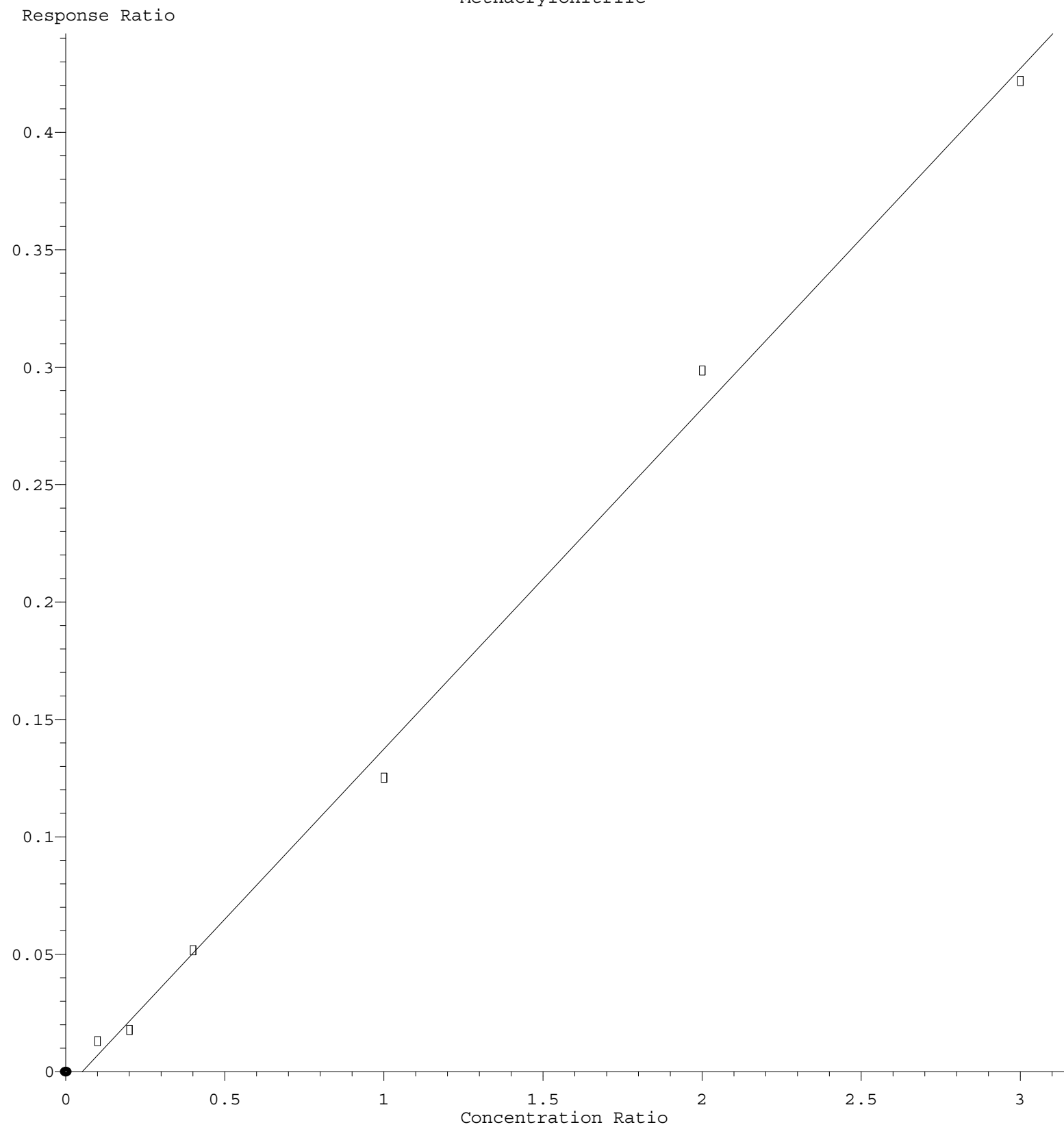
$$\text{Response} = 1.967\text{e-}001 * \text{Amt} - 1.015\text{e-}001$$

Coef of Det (r^2) = 0.996636 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100322S.M

Calibration Table Last Updated: Tue Oct 04 07:26:22 2022

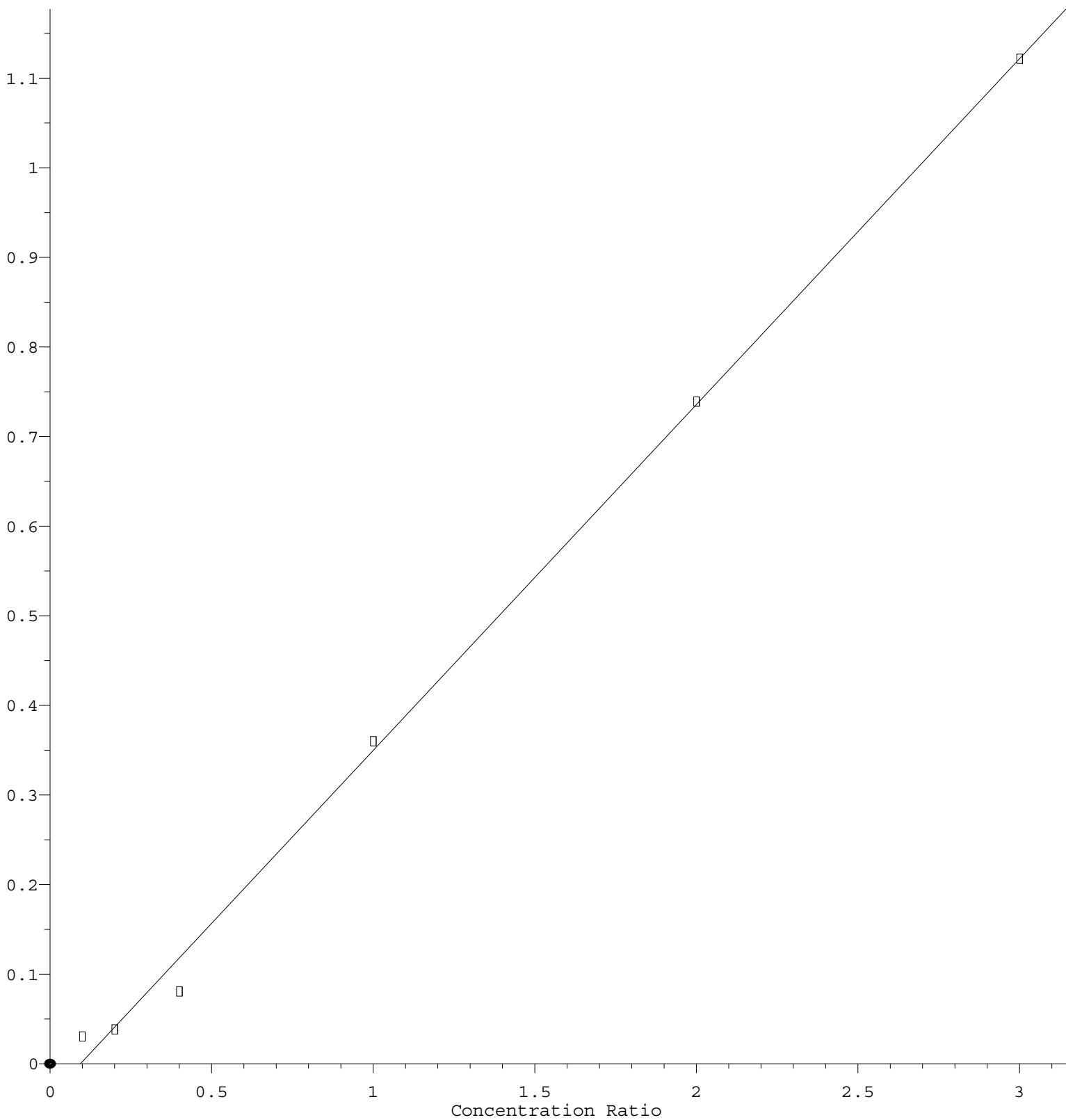
Methacrylonitrile



Response = $1.452 \times 10^{-1} \times \text{Amt} - 7.497 \times 10^{-3}$
Coef of Det (r^2) = 0.996541 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100322S.M
Calibration Table Last Updated: Tue Oct 04 07:26:22 2022

Bromochloromethane

Response Ratio



$$\text{Response} = 3.863\text{e-}001 * \text{Amt} - 3.640\text{e-}002$$

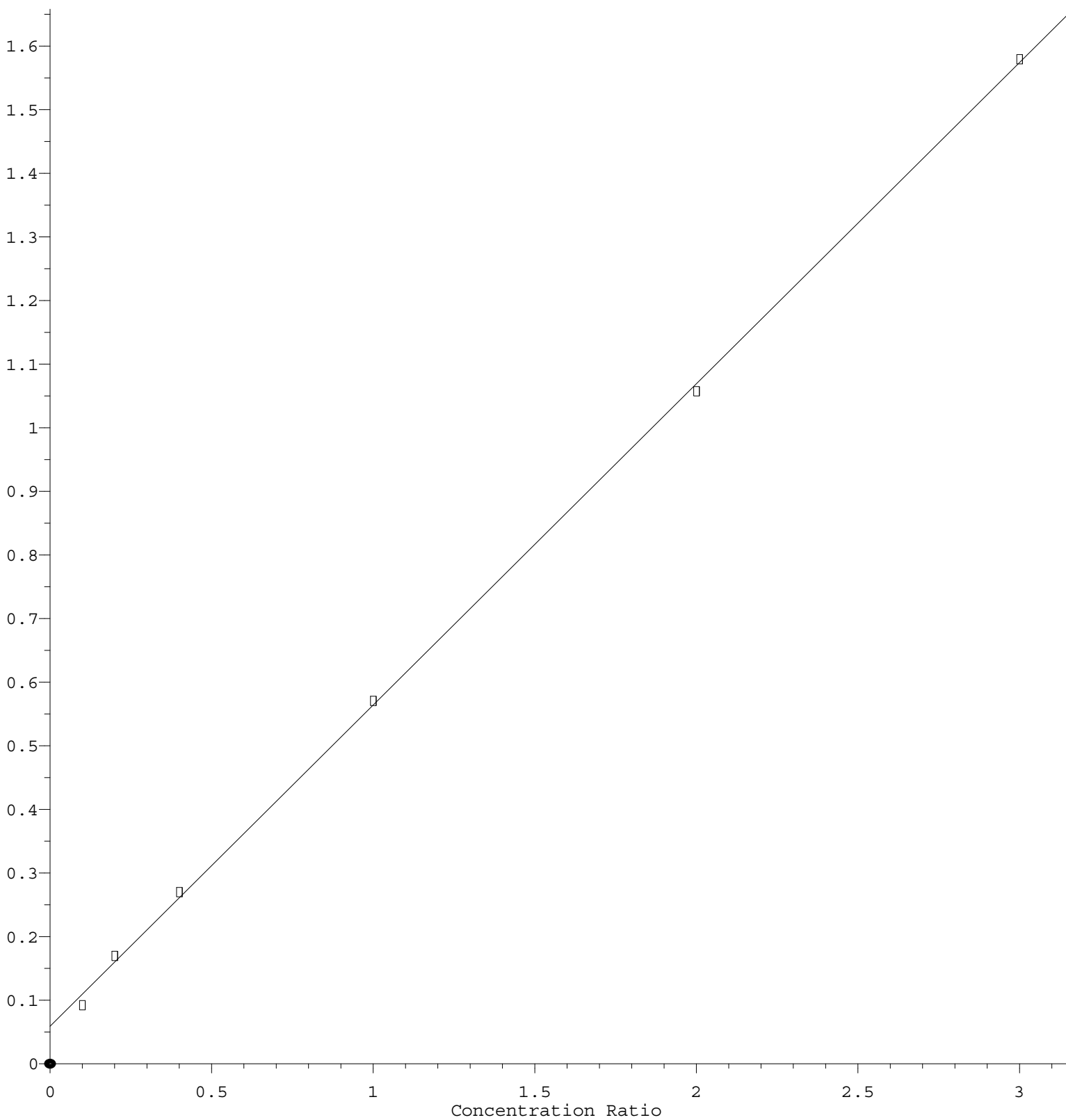
Coef of Det (r^2) = 0.997704 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100322S.M

Calibration Table Last Updated: Tue Oct 04 07:26:22 2022

Methylene Chloride

Response Ratio



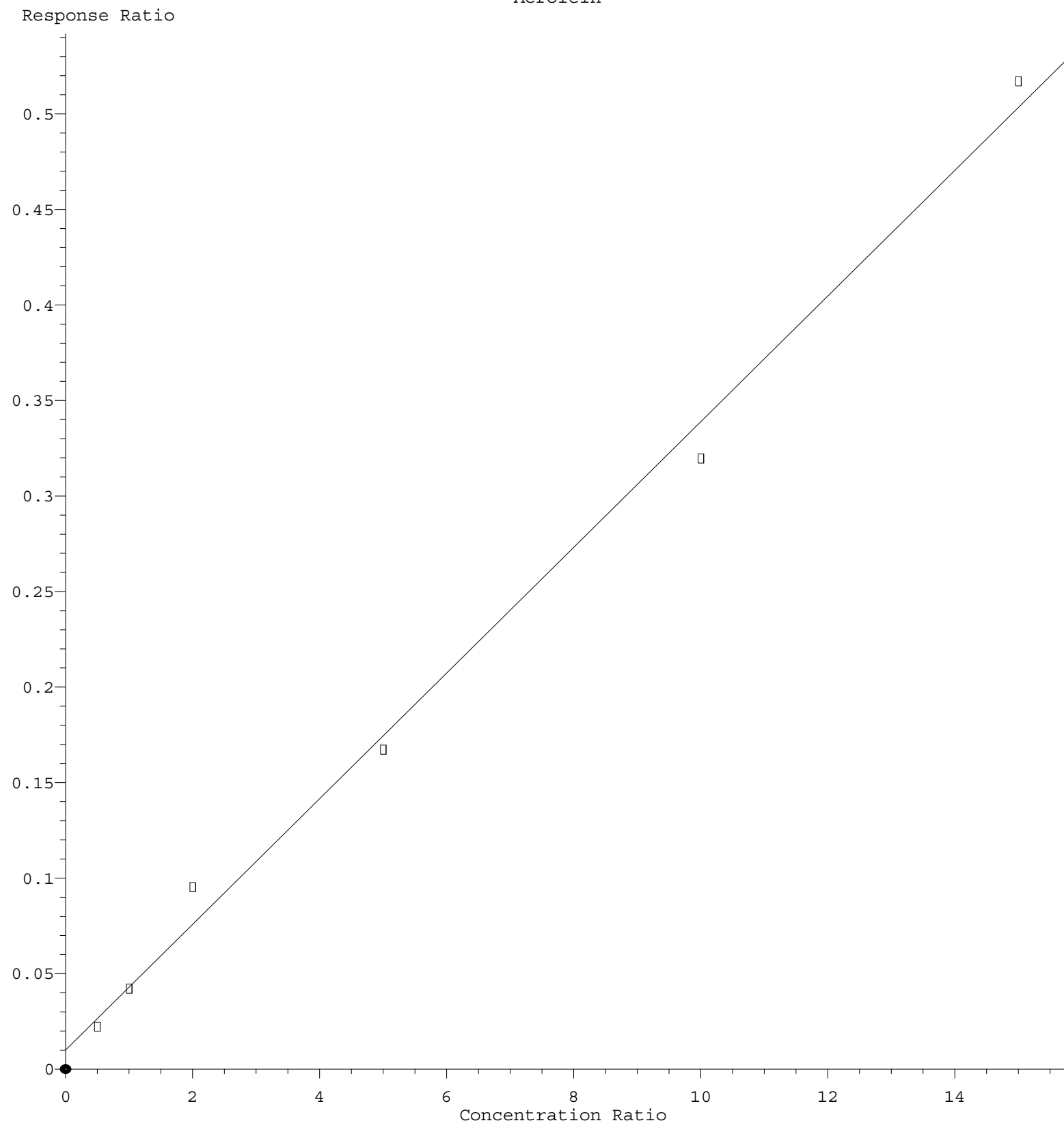
$$\text{Response} = 5.052\text{e-}001 * \text{Amt} + 5.888\text{e-}002$$

Coef of Det (r^2) = 0.999604 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100322S.M

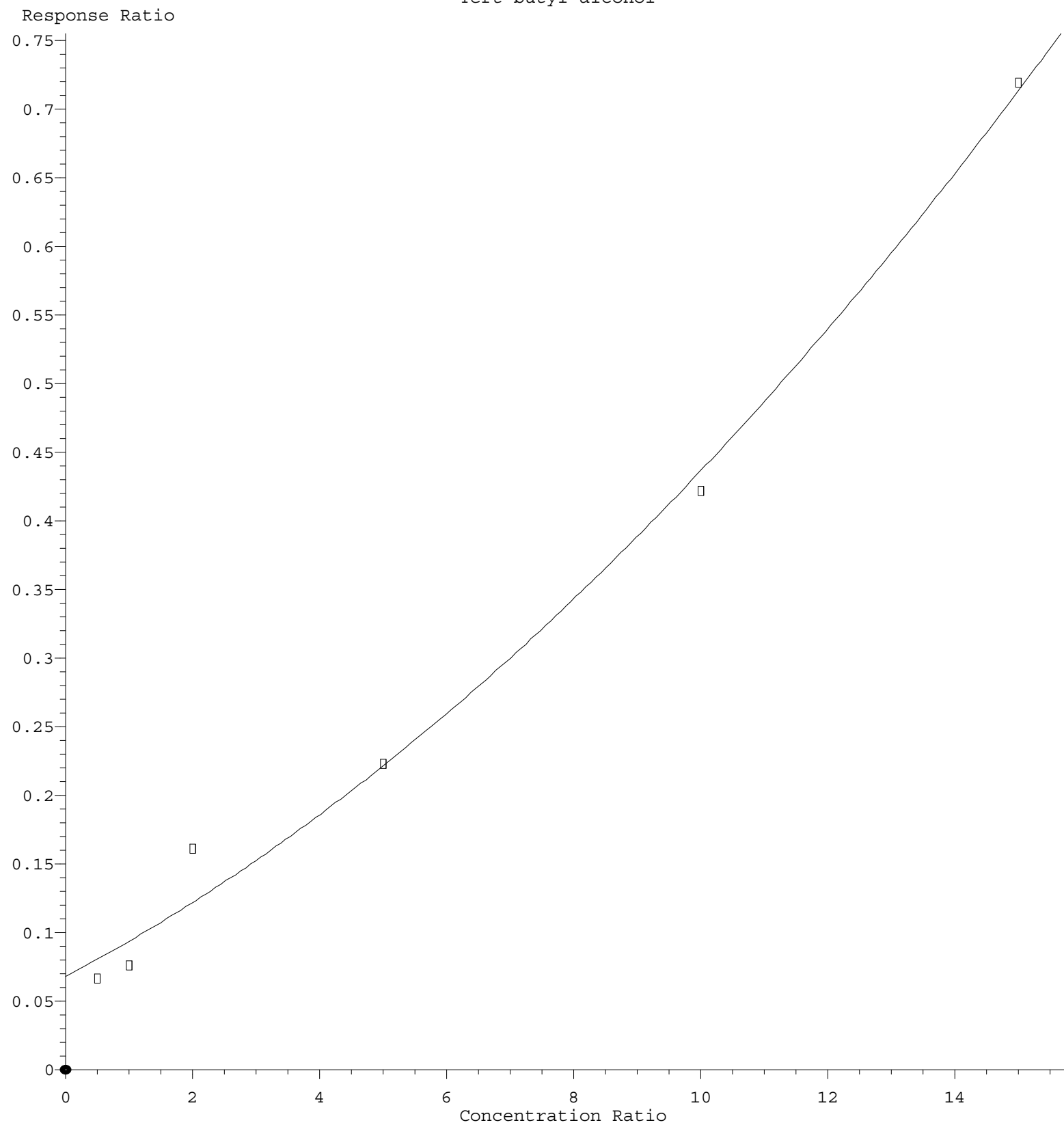
Calibration Table Last Updated: Tue Oct 04 07:26:22 2022

Acrolein



Response = $3.291 \times 10^{-2} \times \text{Amt} + 1.016 \times 10^{-2}$
 Coef of Det (r^2) = 0.994494 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100322S.M
 Calibration Table Last Updated: Tue Oct 04 07:26:22 2022

Tert butyl alcohol



$R = 1.232e-003 A^2 + 2.455e-002 A + 6.785e-002$
Coef of Det (r^2) = 0.992769 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100322S.M
Calibration Table Last Updated: Tue Oct 04 07:26:22 2022