

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D021324S.M
 Title : SW846 8260
 Last Update : Wed Feb 14 01:16:20 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD078398.D 10 =VD078399.D 20 =VD078400.D 50 =VD078401.D 100 =VD078402.D 150 =VD078403.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.567	0.471	0.483	0.505	0.461	0.468	0.493	8.05
3) P	Chloromethane	1.078	0.931	0.981	0.866	0.784	0.792	0.905	12.62
4) C	Vinyl Chloride	1.611	1.405	1.479	1.299	1.251	1.245	1.382	10.50#
5) T	Bromomethane	1.041	0.907	0.973	0.856	0.888	1.057	0.954	8.74
6) T	Chloroethane	1.152	1.052	1.119	0.910	0.894	0.918	1.007	11.40
7) T	Trichlorofluor...	1.083	0.982	0.993	0.882	0.822	0.829	0.932	11.16
8) T	Diethyl Ether	0.310	0.261	0.297	0.233	0.244	0.266	0.268	11.08
9) T	1,1,2-Trichlor...	0.728	0.608	0.628	0.548	0.504	0.510	0.588	14.51
10) T	Methyl Iodide	0.479	0.478	0.569	0.509	0.544	0.580	0.527	8.43
11) T	Tert butyl alc...	0.036	0.039	0.038	0.025	0.027	0.030	0.033	18.23
12) CM	1,1-Dichloroet...	0.654	0.525	0.580	0.512	0.489	0.511	0.545	11.28#
13) T	Acrolein	0.050	0.059	0.056	0.038	0.050	0.046	0.050	14.90
14) T	Allyl chloride	0.760	0.690	0.740	0.621	0.603	0.626	0.673	9.91
15) T	Acrylonitrile	0.131	0.108	0.132	0.104	0.103	0.112	0.115	11.63
16) T	Acetone	0.152	0.141	0.141	0.101	0.095	0.090	0.120	22.83
17) T	Carbon Disulfide	2.179	1.931	2.008	1.675	1.581	1.631	1.834	13.11
18) T	Methyl Acetate	0.269	0.238	0.261	0.410	0.415	0.435	0.338	26.83
19) T	Methyl tert-bu...	1.211	1.138	1.239	1.047	1.102	1.212	1.158	6.48
20) T	Methylene Chlo...	0.888	0.763	0.749	0.603	0.571	0.597	0.695	18.01
21) T	trans-1,2-Dich...	0.735	0.627	0.684	0.596	0.579	0.625	0.641	9.10
22) T	Diisopropyl ether	1.589	1.521	1.647	1.391	1.343	1.414	1.484	8.12
23) T	Vinyl Acetate	0.849	0.760	0.867	0.529	0.568	0.601	0.696	21.35
24) P	1,1-Dichloroet...	1.194	1.102	1.144	0.975	0.922	0.970	1.051	10.48
25) T	2-Butanone	0.182	0.176	0.181	0.128	0.129	0.133	0.155	17.53
26) T	2,2-Dichloropr...	1.038	0.873	0.936	0.840	0.791	0.811	0.881	10.47
27) T	cis-1,2-Dichlo...	0.804	0.690	0.742	0.649	0.640	0.697	0.704	8.72
28) T	Bromochloromet...	0.448	0.385	0.498	0.414	0.389	0.365	0.416	11.82
29) T	Tetrahydrofuran	0.090	0.076	0.090	0.072	0.075	0.080	0.080	9.63
30) C	Chloroform	1.281	1.142	1.197	1.031	0.986	1.038	1.112	10.23#
31) T	Cyclohexane	1.147	0.955	0.946	0.854	0.790	0.795	0.915	14.69
32) T	1,1,1-Trichlor...	1.075	0.972	1.018	0.882	0.847	0.897	0.948	9.28
33) S	1,2-Dichloroet...	0.577	0.565	0.591	0.484	0.499	0.528	0.541	8.05
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.302	0.292	0.347	0.291	0.328	0.345	0.318	8.13
36) T	1,1-Dichloropr...	0.515	0.490	0.525	0.461	0.476	0.494	0.493	4.81
37) T	Ethyl Acetate	0.177	0.179	0.203	0.145	0.164	0.170	0.173	11.05
38) T	Carbon Tetrach...	0.513	0.485	0.509	0.462	0.468	0.494	0.489	4.30
39) T	Methylcyclohexane	0.633	0.518	0.584	0.578	0.591	0.611	0.586	6.64
40) TM	Benzene	1.446	1.387	1.513	1.339	1.392	1.480	1.426	4.56
41) T	Methacrylonitrile	0.088	0.090	0.094	0.084	0.085	0.099	0.090	6.49
42) TM	1,2-Dichloroet...	0.403	0.380	0.392	0.326	0.346	0.367	0.369	7.89
43) T	Isopropyl Acetate	0.315	0.308	0.358	0.293	0.316	0.332	0.320	7.06
44) TM	Trichloroethene	0.377	0.357	0.377	0.340	0.357	0.375	0.364	4.14
45) C	1,2-Dichloropr...	0.373	0.333	0.391	0.318	0.333	0.353	0.350	7.88#
46) T	Dibromomethane	0.207	0.194	0.208	0.177	0.191	0.204	0.197	6.03
47) T	Bromodichlorom...	0.511	0.479	0.519	0.454	0.463	0.498	0.487	5.41
48) T	Methyl methacr...	0.167	0.139	0.166	0.171	0.184	0.191	0.170	10.66
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	12.71
50) S	Toluene-d8	1.198	1.177	1.325	1.160	1.341	1.423	1.271	8.44
51) T	4-Methyl-2-Pen...	0.170	0.168	0.189	0.153	0.165	0.175	0.170	7.11
52) CM	Toluene	0.882	0.836	0.933	0.853	0.919	0.989	0.902	6.28#
53) T	t-1,3-Dichloro...	0.430	0.426	0.471	0.415	0.443	0.483	0.445	6.06
54) T	cis-1,3-Dichlo...	0.533	0.526	0.582	0.496	0.526	0.572	0.539	5.96
55) T	1,1,2-Trichlor...	0.278	0.250	0.277	0.239	0.264	0.282	0.265	6.47
56) T	Ethyl methacry...	0.251	0.258	0.296	0.193	0.225	0.249	0.245	14.02

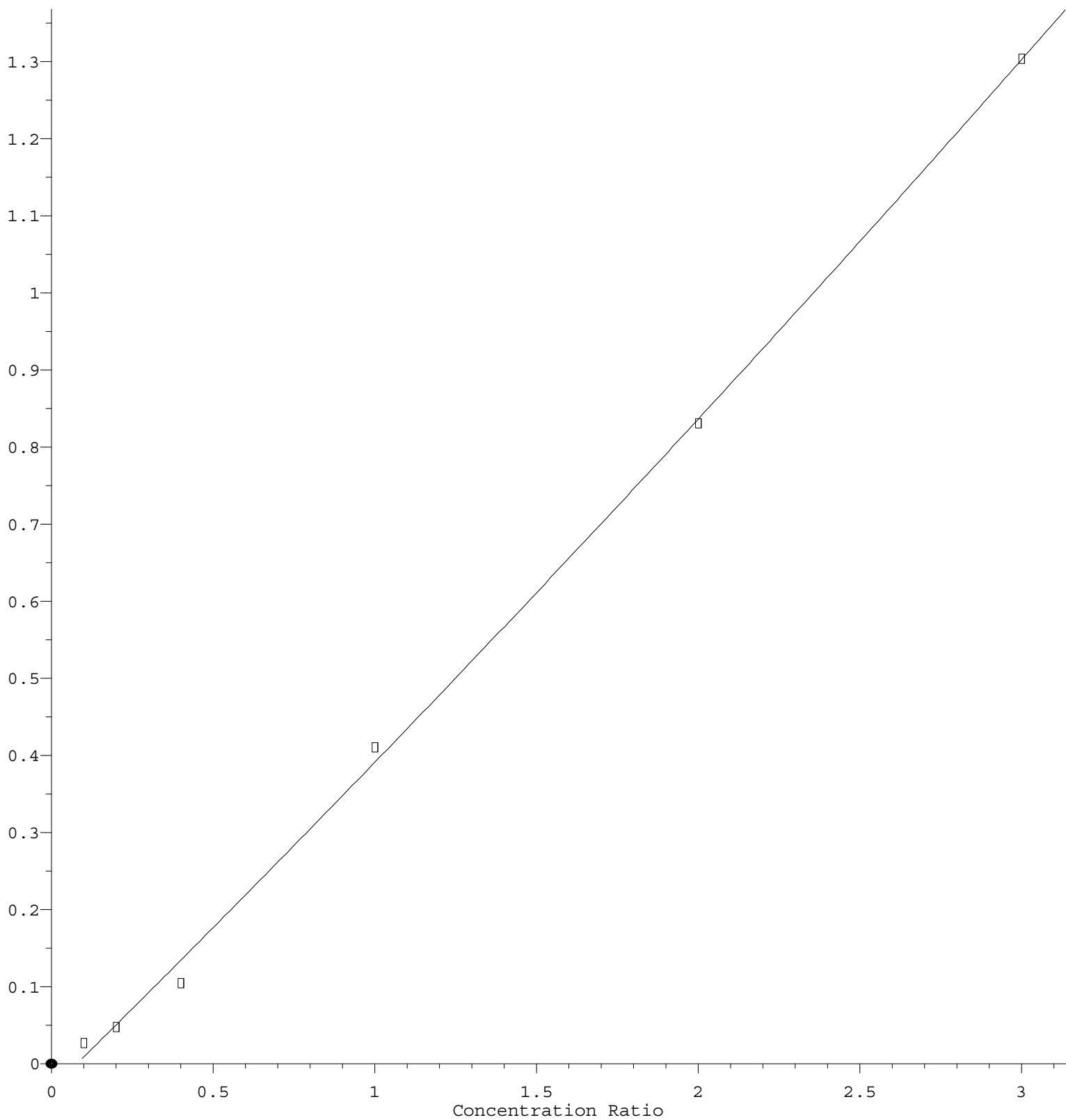
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D021324S.M

57)	T	1,3-Dichloropr...	0.490	0.443	0.471	0.404	0.427	0.470	0.451	7.14
58)	T	2-Chloroethyl ...	0.111	0.129	0.151	0.146	0.166	0.163	0.144	14.57
59)	T	2-Hexanone	0.129	0.133	0.150	0.111	0.120	0.124	0.128	10.47
60)	T	Dibromochlorom...	0.305	0.303	0.340	0.291	0.319	0.355	0.319	7.65
61)	T	1,2-Dibromoethane	0.240	0.239	0.259	0.231	0.250	0.275	0.249	6.42
62)	S	4-Bromofluorob...	0.343	0.328	0.390	0.330	0.394	0.434	0.370	11.65
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.347	0.305	0.322	0.295	0.302	0.324	0.316	6.01
65)	PM	Chlorobenzene	1.045	0.959	1.061	0.931	0.981	1.054	1.005	5.52
66)	T	1,1,1,2-Tetrac...	0.378	0.356	0.376	0.339	0.364	0.403	0.369	5.94
67)	C	Ethyl Benzene	1.800	1.638	1.827	1.742	1.831	1.969	1.801	6.08#
68)	T	m/p-Xylenes	0.670	0.625	0.712	0.695	0.732	0.780	0.703	7.56
69)	T	o-Xylene	0.631	0.560	0.652	0.619	0.661	0.723	0.641	8.35
70)	T	Styrene	1.084	0.983	1.136	0.948	1.020	1.106	1.046	7.09
71)	P	Bromoform	0.211	0.187	0.194	0.171	0.193	0.211	0.194	7.80
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.531	3.054	3.481	3.300	3.285	3.494	3.357	5.40
74)	T	N-amyl acetate	0.700	0.685	0.739	0.551	0.549	0.587	0.635	13.04
75)	P	1,1,2,2-Tetrac...	0.780	0.729	0.722	0.577	0.572	0.616	0.666	13.35
76)	T	1,2,3-Trichlor...	0.458	0.521	0.404	0.336	0.401	0.428	0.424	14.58
77)	T	Bromobenzene	0.877	0.729	0.792	0.738	0.762	0.837	0.789	7.40
78)	T	n-propylbenzene	4.459	3.983	4.469	4.067	3.972	4.154	4.184	5.42
79)	T	2-Chlorotoluene	2.411	2.195	2.403	2.123	2.080	2.233	2.241	6.22
80)	T	1,3,5-Trimethy...	2.823	2.599	2.912	2.724	2.763	2.905	2.788	4.27
81)	T	trans-1,4-Dich...	0.239	0.212	0.218	0.183	0.181	0.193	0.204	11.09
82)	T	4-Chlorotoluene	2.622	2.391	2.541	2.279	2.233	2.375	2.407	6.21
83)	T	tert-Butylbenzene	2.395	2.171	2.405	2.324	2.361	2.452	2.351	4.19
84)	T	1,2,4-Trimethy...	2.767	2.597	2.941	2.808	2.831	3.032	2.829	5.29
85)	T	sec-Butylbenzene	3.973	3.476	3.854	3.509	3.482	3.585	3.646	5.86
86)	T	p-Isopropyltol...	3.116	2.705	3.107	3.145	3.195	3.366	3.106	7.02
87)	T	1,3-Dichlorobe...	1.801	1.613	1.702	1.596	1.639	1.754	1.684	4.89
88)	T	1,4-Dichlorobe...	1.794	1.668	1.716	1.540	1.555	1.655	1.655	5.84
89)	T	n-Butylbenzene	3.202	2.838	3.052	3.018	2.889	2.962	2.994	4.32
90)	T	Hexachloroethane	0.742	0.654	0.658	0.593	0.584	0.598	0.638	9.41
91)	T	1,2-Dichlorobe...	1.516	1.330	1.502	1.314	1.359	1.464	1.414	6.38
92)	T	1,2-Dibromo-3-...	0.087	0.100	0.098	0.078	0.079	0.082	0.087	11.14
93)	T	1,2,4-Trichlor...	0.868	0.788	0.838	0.799	0.808	0.885	0.831	4.76
94)	T	Hexachlorobuta...	0.508	0.411	0.434	0.422	0.401	0.426	0.434	8.83
95)	T	Naphthalene	1.500	1.406	1.578	1.431	1.580	1.755	1.542	8.24
96)	T	1,2,3-Trichlor...	0.741	0.625	0.700	0.676	0.696	0.789	0.704	7.96

(#) = Out of Range

Methyl Acetate

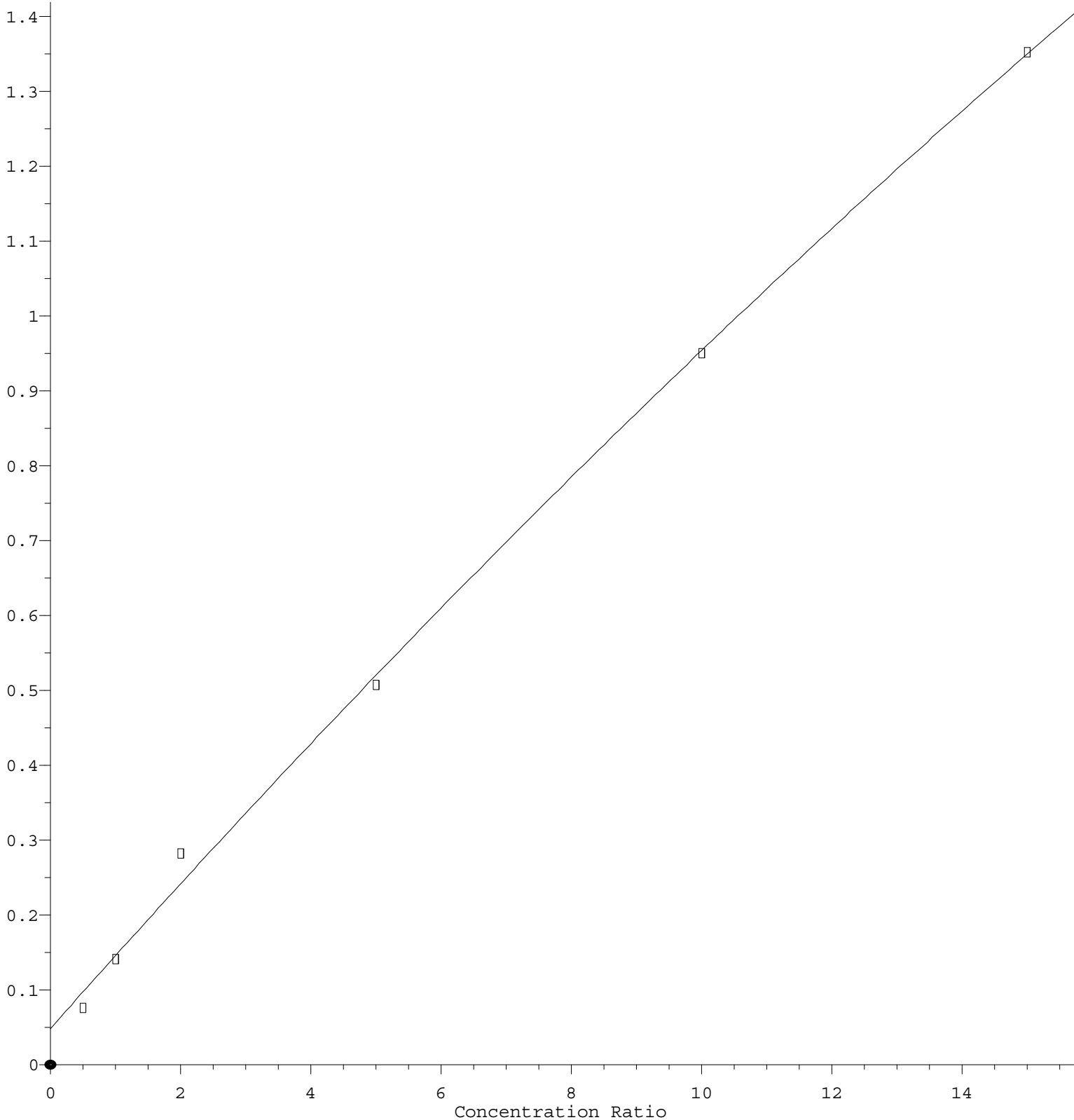
Response Ratio



$R = 1.063e-002 A^2 + 4.132e-001 A - 3.262e-002$
Coef of Det (r^2) = 0.998781 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D021324S.M
Calibration Table Last Updated: Wed Feb 14 01:16:20 2024

Acetone

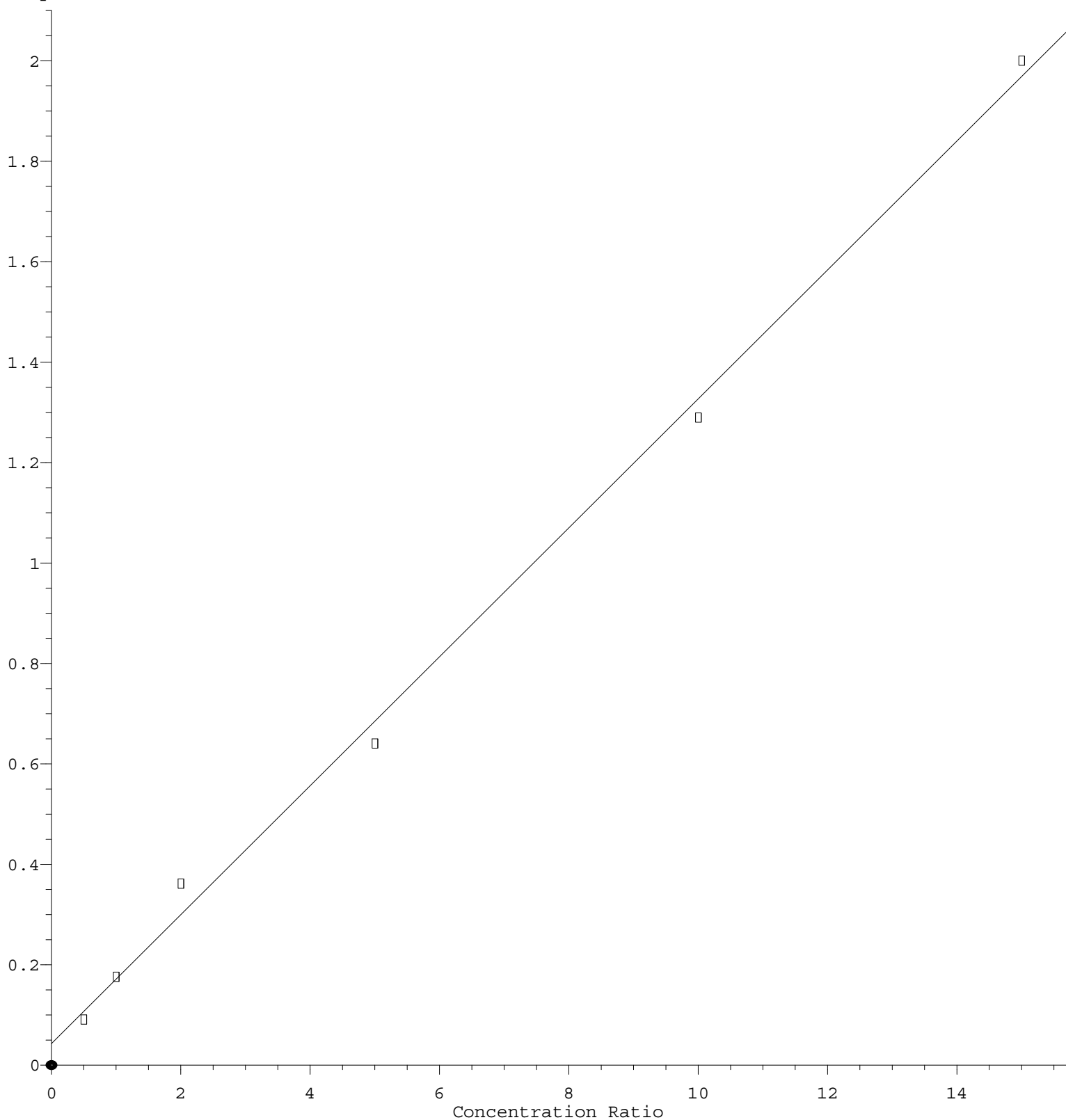
Response Ratio



$R = -7.586e-004 A^2 + 9.813e-002 A + 4.849e-002$
 Coef of Det (r^2) = 0.998190 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D021324S.M
 Calibration Table Last Updated: Wed Feb 14 01:16:20 2024

2-Butanone

Response Ratio



$$\text{Response} = 1.284\text{e-}001 * \text{Amt} + 4.301\text{e-}002$$

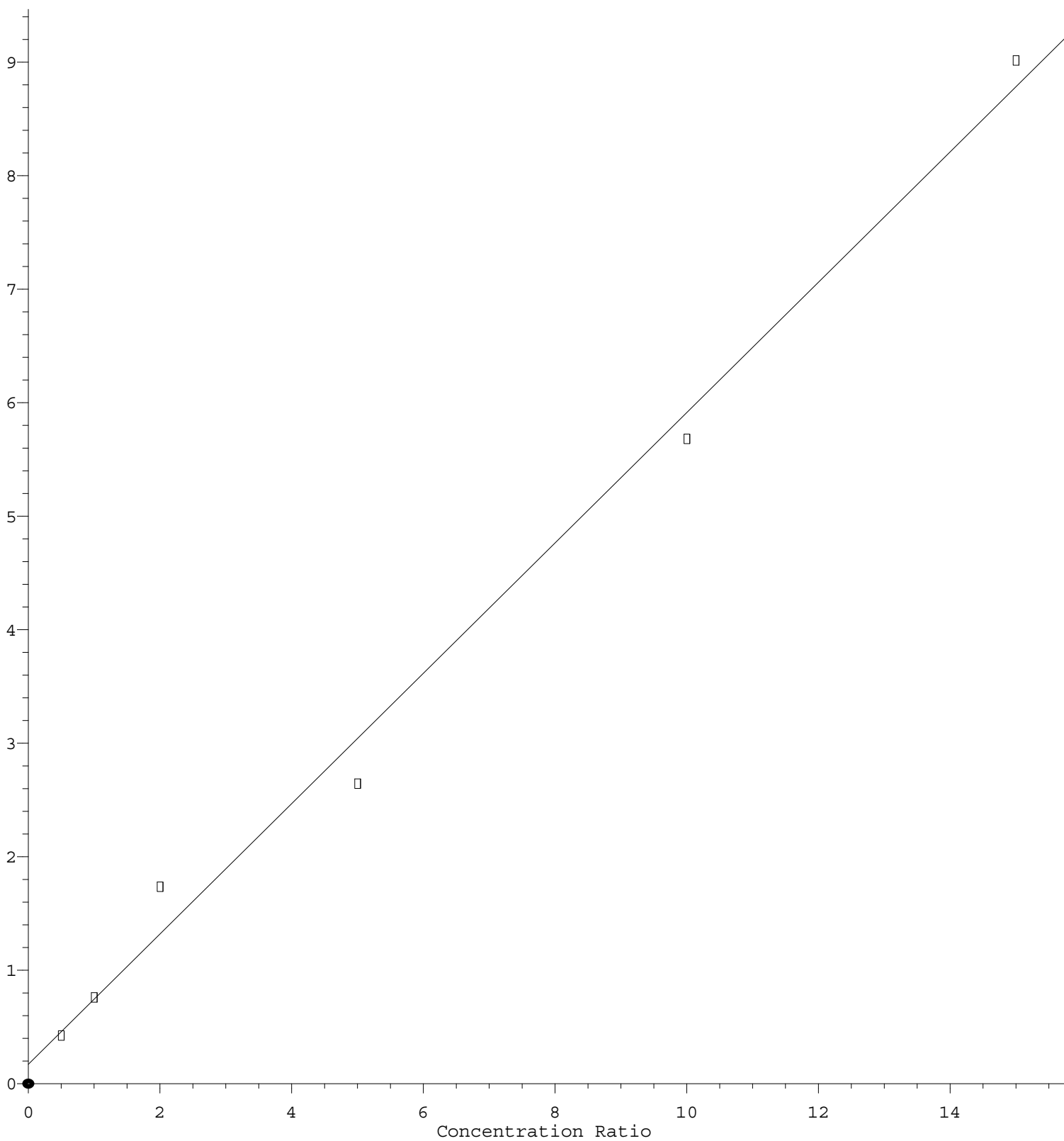
Coef of Det (r^2) = 0.996956 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D021324S.M

Calibration Table Last Updated: Wed Feb 14 01:16:20 2024

Vinyl Acetate

Response Ratio



$$\text{Response} = 5.742\text{e-}001 * \text{Amt} + 1.705\text{e-}001$$

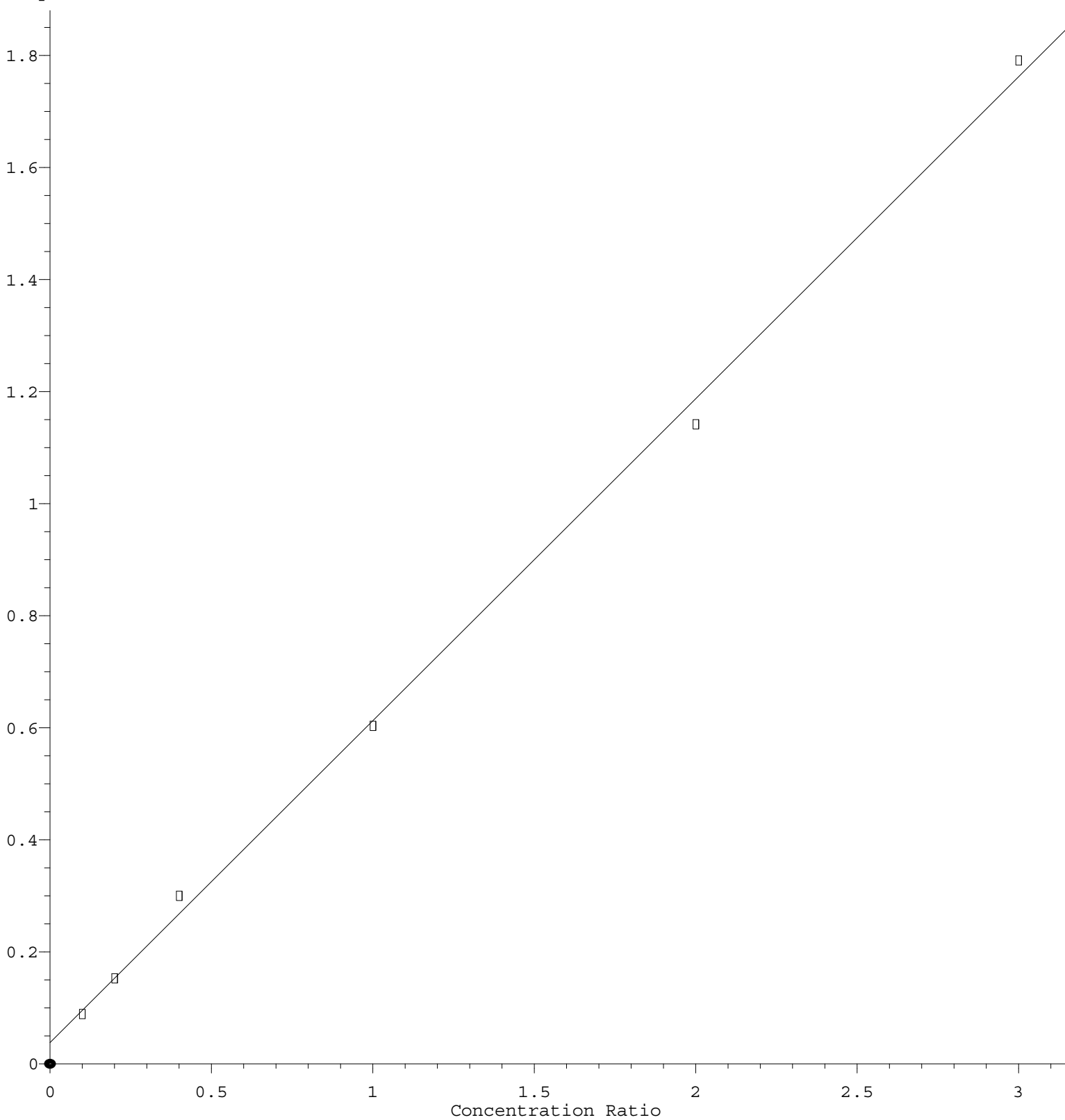
Coef of Det (r^2) = 0.992124 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D021324S.M

Calibration Table Last Updated: Wed Feb 14 01:16:20 2024

Methylene Chloride

Response Ratio



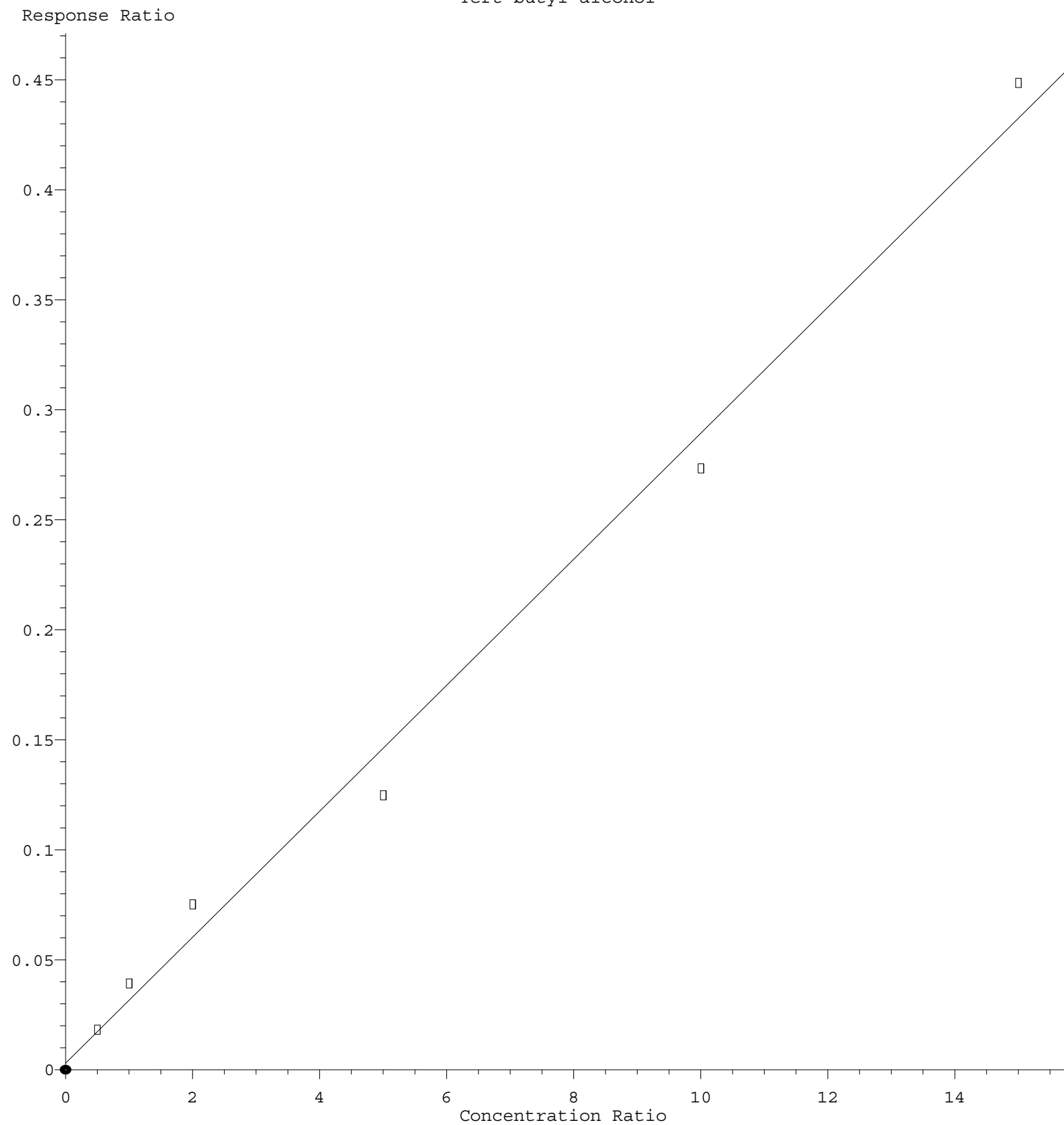
$$\text{Response} = 5.746\text{e-}001 * \text{Amt} + 3.784\text{e-}002$$

Coef of Det (r^2) = 0.998163 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D021324S.M

Calibration Table Last Updated: Wed Feb 14 01:16:20 2024

Tert butyl alcohol



Response = $2.864e-002 * Amt + 3.311e-003$
 Coef of Det (r^2) = 0.991008 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D021324S.M
 Calibration Table Last Updated: Wed Feb 14 01:16:20 2024