

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y050222S.M
 Title : SW846 8260
 Last Update : Tue May 03 01:57:20 2022
 Response Via : Initial Calibration

Calibration Files

5 =VY008571.D 10 =VY008572.D 20 =VY008573.D 50 =VY008574.D 100 =VY008575.D 150 =VY008576.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.577	0.552	0.526	0.450	0.448	0.454	0.501	11.51
3) P	Chloromethane	0.695	0.605	0.573	0.554	0.539	0.529	0.582	10.51
4) C	Vinyl Chloride	0.809	0.712	0.681	0.678	0.660	0.663	0.700	8.04#
5) T	Bromomethane	0.774	0.638	0.546	0.528	0.501	0.494	0.580	18.64
6) T	Chloroethane	0.512	0.457	0.431	0.434	0.429	0.429	0.449	7.27
7) T	Trichlorofluor...	1.025	0.970	0.919	0.912	0.921	0.936	0.947	4.58
8) T	Diethyl Ether	0.321	0.309	0.295	0.298	0.300	0.297	0.303	3.28
9) T	1,1,2-Trichlor...	0.622	0.542	0.545	0.532	0.542	0.559	0.557	5.91
10) T	Methyl Iodide	0.624	0.571	0.622	0.745	0.792	0.787	0.690	13.89
11) T	Tert butyl alc...	0.079	0.064	0.062	0.048	0.049	0.047	0.058	21.76
12) CM	1,1-Dichloroet...	0.594	0.505	0.502	0.512	0.512	0.523	0.525	6.61#
13) T	Acrolein	0.072	0.069	0.063	0.064	0.063	0.063	0.066	5.71
14) T	Allyl chloride	0.645	0.612	0.604	0.626	0.639	0.643	0.628	2.75
15) T	Acrylonitrile	0.145	0.144	0.132	0.135	0.139	0.135	0.138	3.74
16) T	Acetone	0.116	0.114	0.098	0.105	0.099	0.095	0.105	8.43
17) T	Carbon Disulfide	1.555	1.460	1.437	1.479	1.506	1.515	1.492	2.83
18) T	Methyl Acetate	0.515	0.318	0.300	0.291	0.297	0.291	0.335	26.46
19) T	Methyl tert-bu...	1.535	1.455	1.382	1.415	1.446	1.447	1.447	3.53
20) T	Methylene Chlo...	1.369	0.936	0.708	0.622	0.585	0.572	0.799	38.79
21) T	trans-1,2-Dich...	0.661	0.566	0.573	0.584	0.592	0.601	0.596	5.73
22) T	Diisopropyl ether	1.528	1.405	1.394	1.446	1.463	1.465	1.450	3.34
23) T	Vinyl Acetate	0.840	0.962	0.926	0.976	0.997	0.981	0.947	6.07
24) P	1,1-Dichloroet...	0.985	0.894	0.871	0.907	0.908	0.921	0.914	4.21
25) T	2-Butanone	0.178	0.175	0.162	0.166	0.166	0.162	0.168	3.95
26) T	2,2-Dichloropr...	0.954	0.852	0.838	0.868	0.859	0.882	0.876	4.73
27) T	cis-1,2-Dichlo...	0.766	0.661	0.641	0.671	0.675	0.679	0.682	6.34
28) T	Bromochloromet...	0.443	0.316	0.307	0.345	0.333	0.352	0.350	13.93
29) T	Tetrahydrofuran	0.113	0.117	0.108	0.109	0.113	0.109	0.111	3.07
30) C	Chloroform	1.127	1.015	0.962	1.016	1.010	1.016	1.024	5.35#
31) T	Cyclohexane	0.966	0.830	0.809	0.797	0.811	0.819	0.839	7.57
32) T	1,1,1-Trichlor...	1.000	0.927	0.893	0.927	0.937	0.953	0.939	3.77
33) S	1,2-Dichloroet...	0.532	0.427	0.416	0.503	0.503	0.535	0.486	10.63
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.324	0.291	0.300	0.339	0.345	0.386	0.331	10.40
36) T	1,1-Dichloropr...	0.569	0.509	0.479	0.506	0.506	0.517	0.514	5.80
37) T	Ethyl Acetate	0.283	0.278	0.257	0.255	0.257	0.254	0.264	4.92
38) T	Carbon Tetrach...	0.613	0.584	0.561	0.581	0.580	0.603	0.587	3.17
39) T	Methylcyclohexane	0.709	0.654	0.644	0.674	0.683	0.708	0.679	3.99
40) TM	Benzene	1.581	1.457	1.426	1.483	1.471	1.498	1.486	3.54
41) T	Methacrylonitrile	0.109	0.110	0.122	0.106	0.113	0.135	0.116	9.21
42) TM	1,2-Dichloroet...	0.466	0.440	0.407	0.427	0.418	0.422	0.430	4.83
43) T	Isopropyl Acetate	0.483	0.485	0.466	0.482	0.483	0.482	0.480	1.46
44) TM	Trichloroethene	0.526	0.464	0.432	0.456	0.451	0.468	0.466	6.79
45) C	1,2-Dichloropr...	0.358	0.348	0.328	0.349	0.344	0.352	0.347	2.89#
46) T	Dibromomethane	0.271	0.245	0.224	0.240	0.236	0.237	0.242	6.44
47) T	Bromodichlorom...	0.545	0.526	0.502	0.530	0.525	0.536	0.527	2.71
48) T	Methyl methacr...	0.212	0.216	0.193	0.208	0.220	0.217	0.211	4.60
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	5.76
50) S	Toluene-d8	1.160	0.968	1.029	1.214	1.241	1.421	1.172	13.80
51) T	4-Methyl-2-Pen...	0.257	0.262	0.243	0.251	0.252	0.248	0.252	2.64
52) CM	Toluene	1.056	0.955	0.939	0.987	0.999	1.023	0.993	4.35#
53) T	t-1,3-Dichloro...	0.555	0.553	0.528	0.564	0.572	0.572	0.557	2.94
54) T	cis-1,3-Dichlo...	0.642	0.604	0.583	0.630	0.626	0.632	0.619	3.47
55) T	1,1,2-Trichlor...	0.369	0.340	0.320	0.333	0.332	0.329	0.337	4.96
56) T	Ethyl methacry...	0.416	0.408	0.407	0.435	0.445	0.445	0.426	4.17

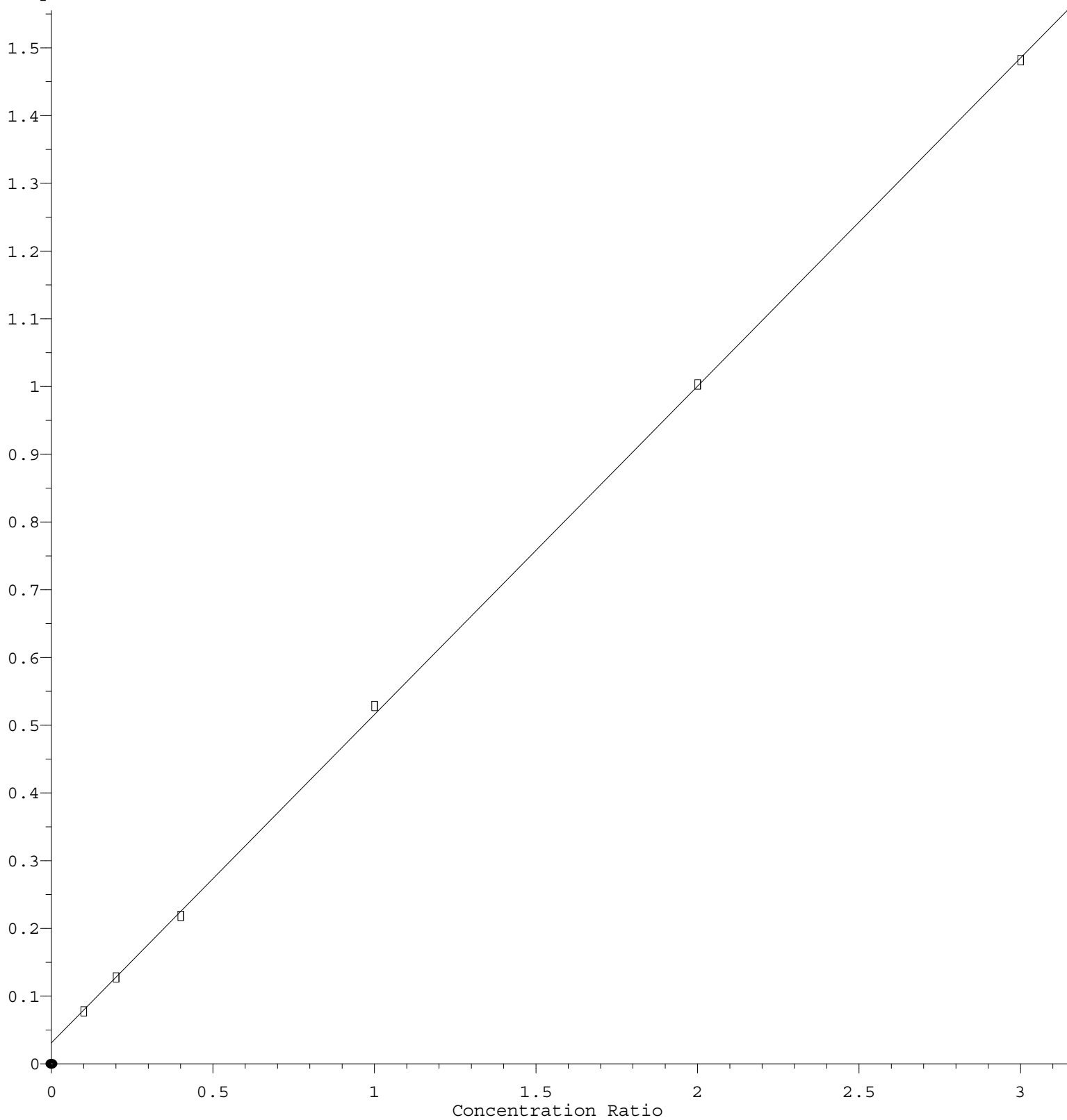
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
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57)	T	1,3-Dichloropr...	0.575	0.542	0.515	0.540	0.527	0.530	0.538	3.83
58)	T	2-Chloroethyl ...	0.223	0.210	0.193	0.227	0.218	0.226	0.216	5.98
59)	T	2-Hexanone	0.163	0.179	0.165	0.176	0.175	0.171	0.172	3.72
60)	T	Dibromochlorom...	0.435	0.415	0.401	0.429	0.421	0.431	0.422	2.94
61)	T	1,2-Dibromoethane	0.365	0.350	0.320	0.340	0.336	0.336	0.341	4.47
62)	S	4-Bromofluorob...	0.432	0.381	0.395	0.439	0.439	0.492	0.430	9.12
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.500	0.458	0.446	0.444	0.443	0.447	0.456	4.82
65)	PM	Chlorobenzene	1.277	1.174	1.170	1.203	1.185	1.217	1.204	3.31
66)	T	1,1,1,2-Tetrac...	0.454	0.447	0.445	0.459	0.458	0.466	0.455	1.73
67)	C	Ethyl Benzene	2.044	1.961	1.962	2.035	2.042	2.112	2.026	2.82#
68)	T	m/p-Xylenes	0.838	0.794	0.805	0.822	0.839	0.868	0.828	3.22
69)	T	o-Xylene	0.799	0.763	0.769	0.794	0.802	0.833	0.793	3.19
70)	T	Styrene	1.266	1.254	1.278	1.337	1.369	1.409	1.319	4.75
71)	P	Bromoform	0.297	0.303	0.287	0.305	0.308	0.313	0.302	3.01
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.925	3.720	3.781	3.822	4.040	4.115	3.901	3.96
74)	T	N-amyl acetate	0.806	0.838	0.853	0.885	0.937	0.912	0.872	5.61
75)	P	1,1,2,2-Tetrac...	0.807	0.801	0.767	0.772	0.803	0.786	0.789	2.16
76)	T	1,2,3-Trichlor...	0.522	0.526	0.478	0.489	0.607	0.581	0.534	9.56
77)	T	Bromobenzene	1.092	1.019	0.992	0.990	1.043	1.039	1.029	3.70
78)	T	n-propylbenzene	4.572	4.344	4.486	4.467	4.630	4.736	4.539	3.03
79)	T	2-Chlorotoluene	2.618	2.469	2.498	2.512	2.614	2.623	2.556	2.74
80)	T	1,3,5-Trimethy...	3.218	3.119	3.165	3.189	3.305	3.340	3.223	2.63
81)	T	trans-1,4-Dich...	0.228	0.262	0.253	0.267	0.287	0.282	0.263	8.06
82)	T	4-Chlorotoluene	2.700	2.577	2.561	2.592	2.670	2.696	2.633	2.40
83)	T	tert-Butylbenzene	2.955	2.752	2.821	2.857	2.928	3.006	2.886	3.24
84)	T	1,2,4-Trimethy...	3.250	3.070	3.136	3.167	3.270	3.327	3.203	2.98
85)	T	sec-Butylbenzene	4.345	4.144	4.187	4.184	4.295	4.367	4.254	2.21
86)	T	p-Isopropyltol...	3.600	3.424	3.543	3.607	3.669	3.826	3.612	3.70
87)	T	1,3-Dichlorobe...	2.130	1.951	1.916	1.941	1.986	2.019	1.990	3.88
88)	T	1,4-Dichlorobe...	2.151	1.945	1.902	1.903	1.934	1.945	1.963	4.78
89)	T	n-Butylbenzene	3.215	3.047	3.164	3.177	3.202	3.282	3.181	2.43
90)	T	Hexachloroethane	0.677	0.646	0.653	0.661	0.676	0.700	0.669	2.95
91)	T	1,2-Dichlorobe...	1.912	1.767	1.734	1.741	1.745	1.757	1.776	3.80
92)	T	1,2-Dibromo-3-...	0.115	0.126	0.121	0.115	0.120	0.123	0.120	3.76
93)	T	1,2,4-Trichlor...	1.194	1.114	1.109	1.114	1.111	1.158	1.133	3.10
94)	T	Hexachlorobuta...	0.690	0.630	0.648	0.624	0.604	0.644	0.640	4.57
95)	T	Naphthalene	2.235	2.264	2.203	2.253	2.298	2.384	2.273	2.76
96)	T	1,2,3-Trichlor...	1.083	1.016	0.957	0.988	0.976	1.017	1.006	4.42

(#) = Out of Range

Bromomethane

Response Ratio



$$\text{Response} = 4.849\text{e-}001 * \text{Amt} + 3.125\text{e-}002$$

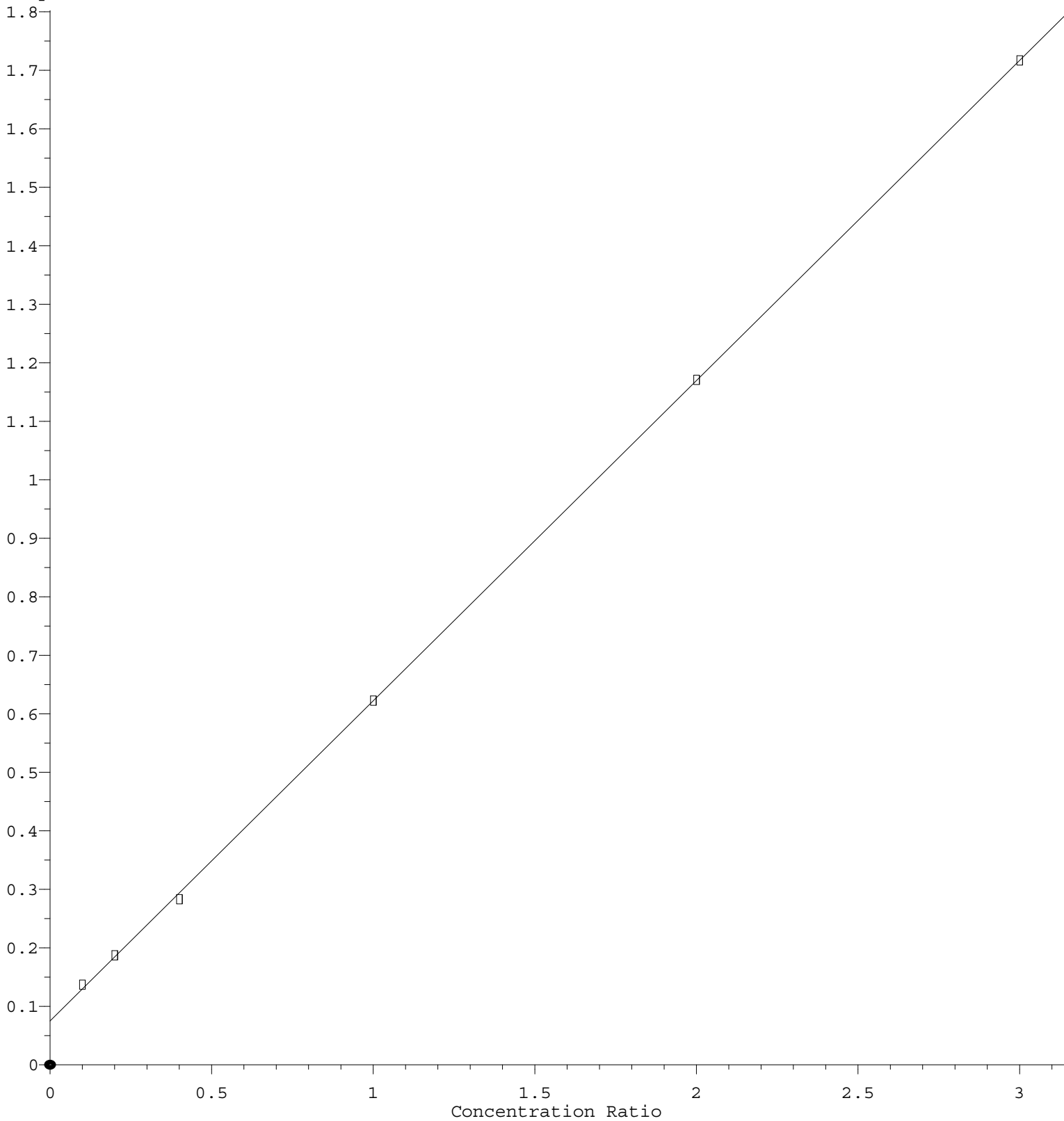
Coef of Det (r^2) = 0.999862 Curve Fit: Linear

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Calibration Table Last Updated: Fri May 06 13:12:09 2022

Methylene Chloride

Response Ratio



$$\text{Response} = 5.472\text{e-}001 * \text{Amt} + 7.521\text{e-}002$$

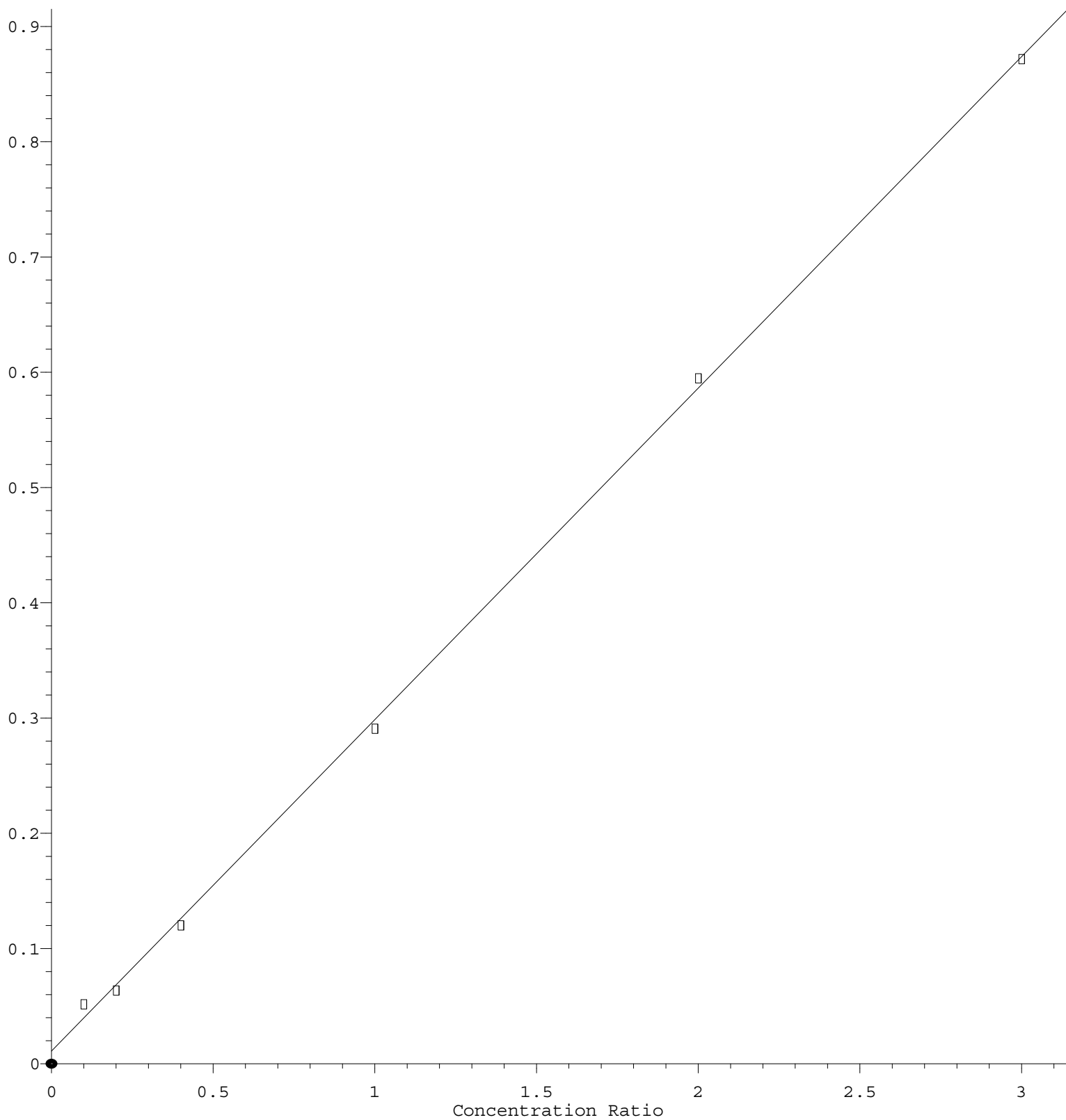
Coef of Det (r^2) = 0.999911 Curve Fit: Linear

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Methyl Acetate

Response Ratio



$$\text{Response} = 2.878\text{e-}001 * \text{Amt} + 1.064\text{e-}002$$

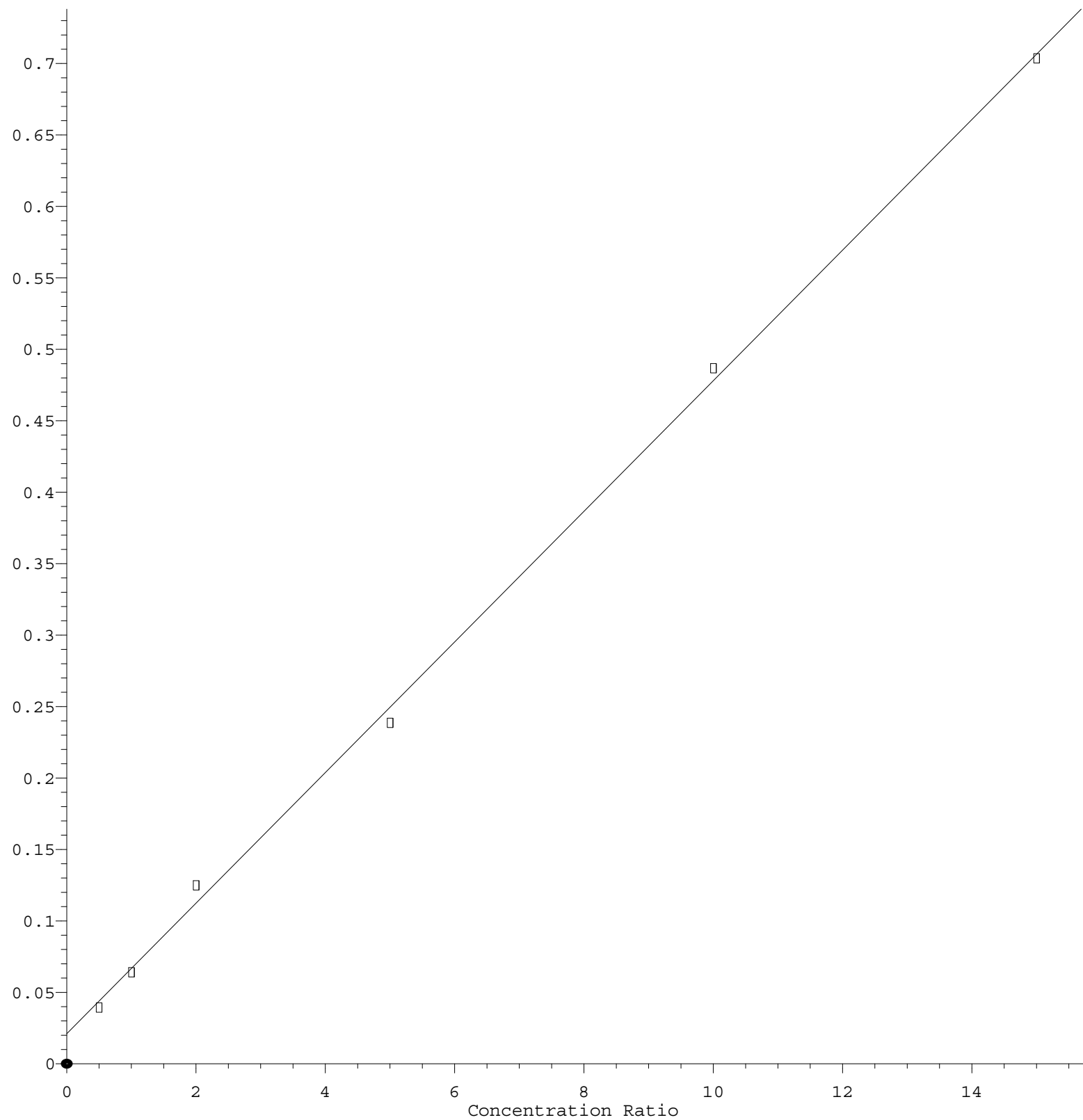
Coef of Det (r^2) = 0.999395 Curve Fit: Linear

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Tert butyl alcohol

Response Ratio



$$\text{Response} = 4.575\text{e-}002 * \text{Amt} + 2.074\text{e-}002$$

Coef of Det (r^2) = 0.998908 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y050222S.M

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