

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y021422S.M
 Title : SW846 8260
 Last Update : Tue Feb 15 09:34:50 2022
 Response Via : Initial Calibration

Calibration Files

5 =VY007489.D 10 =VY007490.D 20 =VY007491.D 50 =VY007492.D 100 =VY007494.D 150 =VY007495.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.571	0.566	0.608	0.551	0.509	0.514	0.553	6.77
3) P	Chloromethane	0.673	0.588	0.602	0.523	0.431	0.504	0.554	15.39
4) C	Vinyl Chloride	0.623	0.608	0.635	0.492	0.477	0.504	0.557	13.05#
5) T	Bromomethane	0.541	0.435	0.369	0.321	0.314	0.315	0.382	23.67
6) T	Chloroethane	0.389	0.364	0.336	0.280	0.297	0.309	0.329	12.72
7) T	Trichlorofluor...	1.073	1.047	1.126	1.065	1.014	1.021	1.058	3.84
8) T	Diethyl Ether	0.307	0.313	0.330	0.296	0.315	0.274	0.306	6.25
9) T	1,1,2-Trichlor...	0.566	0.585	0.622	0.590	0.567	0.559	0.582	3.96
10) T	Methyl Iodide	0.766	0.656	0.738	0.726	0.724	0.699	0.718	5.25
11) T	Tert butyl alc...	0.043	0.044	0.049	0.041	0.048	0.034	0.043	12.13
12) CM	1,1-Dichloroet...	0.548	0.541	0.572	0.551	0.525	0.520	0.543	3.46#
13) T	Acrolein	0.052	0.050	0.055	0.034	0.038	0.031	0.043	23.22
14) T	Allyl chloride	0.779	0.776	0.807	0.769	0.735	0.711	0.763	4.47
15) T	Acrylonitrile	0.130	0.143	0.150	0.129	0.141	0.114	0.135	9.63
16) T	Acetone	0.135	0.139	0.147	0.159	0.162	0.137	0.146	7.91
17) T	Carbon Disulfide	1.618	1.563	1.719	1.557	1.479	1.446	1.564	6.28
18) T	Methyl Acetate	0.379	0.324	0.342	0.277	0.309	0.246	0.313	15.12
19) T	Methyl tert-bu...	1.481	1.552	1.634	1.472	1.557	1.339	1.506	6.70
20) T	Methylene Chlo...	0.656	0.654	0.644	0.568	0.556	0.523	0.600	9.68
21) T	trans-1,2-Dich...	0.620	0.575	0.638	0.596	0.570	0.559	0.593	5.23
22) T	Diisopropyl ether	1.627	1.667	1.777	1.567	1.549	1.438	1.604	7.17
23) T	Vinyl Acetate	0.959	1.076	1.132	1.017	1.045	0.912	1.023	7.79
24) P	1,1-Dichloroet...	1.004	1.005	1.092	1.009	0.973	0.934	1.003	5.22
25) T	2-Butanone	0.171	0.188	0.196	0.183	0.194	0.155	0.181	8.55
26) T	2,2-Dichloropr...	1.036	0.959	1.064	1.027	0.968	0.976	1.005	4.29
27) T	cis-1,2-Dichlo...	0.682	0.641	0.709	0.663	0.651	0.622	0.661	4.67
28) T	Bromochloromet...	0.395	0.374	0.405	0.390	0.379	0.362	0.384	4.09
29) T	Tetrahydrofuran	0.105	0.113	0.122	0.100	0.112	0.087	0.106	11.32
30) C	Chloroform	1.102	1.065	1.157	1.090	1.064	1.017	1.082	4.33#
31) T	Cyclohexane	1.129	1.020	1.040	0.943	0.859	0.865	0.976	10.90
32) T	1,1,1-Trichlor...	1.032	0.983	1.091	1.063	1.011	1.005	1.031	3.90
33) S	1,2-Dichloroet...	0.601	0.556	0.589	0.534	0.539	0.494	0.552	7.12
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.324	0.313	0.336	0.319	0.302	0.299	0.315	4.46
36) T	1,1-Dichloropr...	0.509	0.497	0.545	0.526	0.486	0.502	0.511	4.24
37) T	Ethyl Acetate	0.209	0.248	0.264	0.229	0.243	0.193	0.231	11.37
38) T	Carbon Tetrach...	0.586	0.555	0.605	0.606	0.558	0.573	0.580	3.84
39) T	Methylcyclohexane	0.684	0.640	0.711	0.683	0.622	0.640	0.663	5.18
40) TM	Benzene	1.412	1.388	1.497	1.427	1.352	1.351	1.405	3.90
41) T	Methacrylonitrile	0.130	0.163	0.154	0.137	0.146	0.169	0.150	10.04
42) TM	1,2-Dichloroet...	0.429	0.445	0.450	0.429	0.424	0.399	0.429	4.17
43) T	Isopropyl Acetate	0.458	0.491	0.512	0.460	0.487	0.406	0.469	7.87
44) TM	Trichloroethene	0.406	0.385	0.419	0.412	0.385	0.383	0.398	3.97
45) C	1,2-Dichloropr...	0.324	0.338	0.361	0.340	0.324	0.316	0.334	4.84#
46) T	Dibromomethane	0.207	0.218	0.223	0.203	0.206	0.188	0.207	5.95
47) T	Bromodichlorom...	0.485	0.495	0.539	0.517	0.501	0.485	0.504	4.15
48) T	Methyl methacr...	0.194	0.209	0.237	0.199	0.220	0.188	0.208	8.74
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.65
50) S	Toluene-d8	1.285	1.200	1.249	1.223	1.111	1.116	1.198	5.92
51) T	4-Methyl-2-Pen...	0.219	0.243	0.260	0.230	0.247	0.198	0.233	9.44
52) CM	Toluene	0.907	0.869	0.957	0.925	0.875	0.870	0.901	3.97#
53) T	t-1,3-Dichloro...	0.505	0.525	0.561	0.537	0.532	0.494	0.526	4.56
54) T	cis-1,3-Dichlo...	0.568	0.590	0.624	0.597	0.583	0.559	0.587	3.93
55) T	1,1,2-Trichlor...	0.275	0.281	0.291	0.275	0.278	0.250	0.275	4.99
56) T	Ethyl methacry...	0.344	0.370	0.401	0.377	0.392	0.335	0.370	7.01

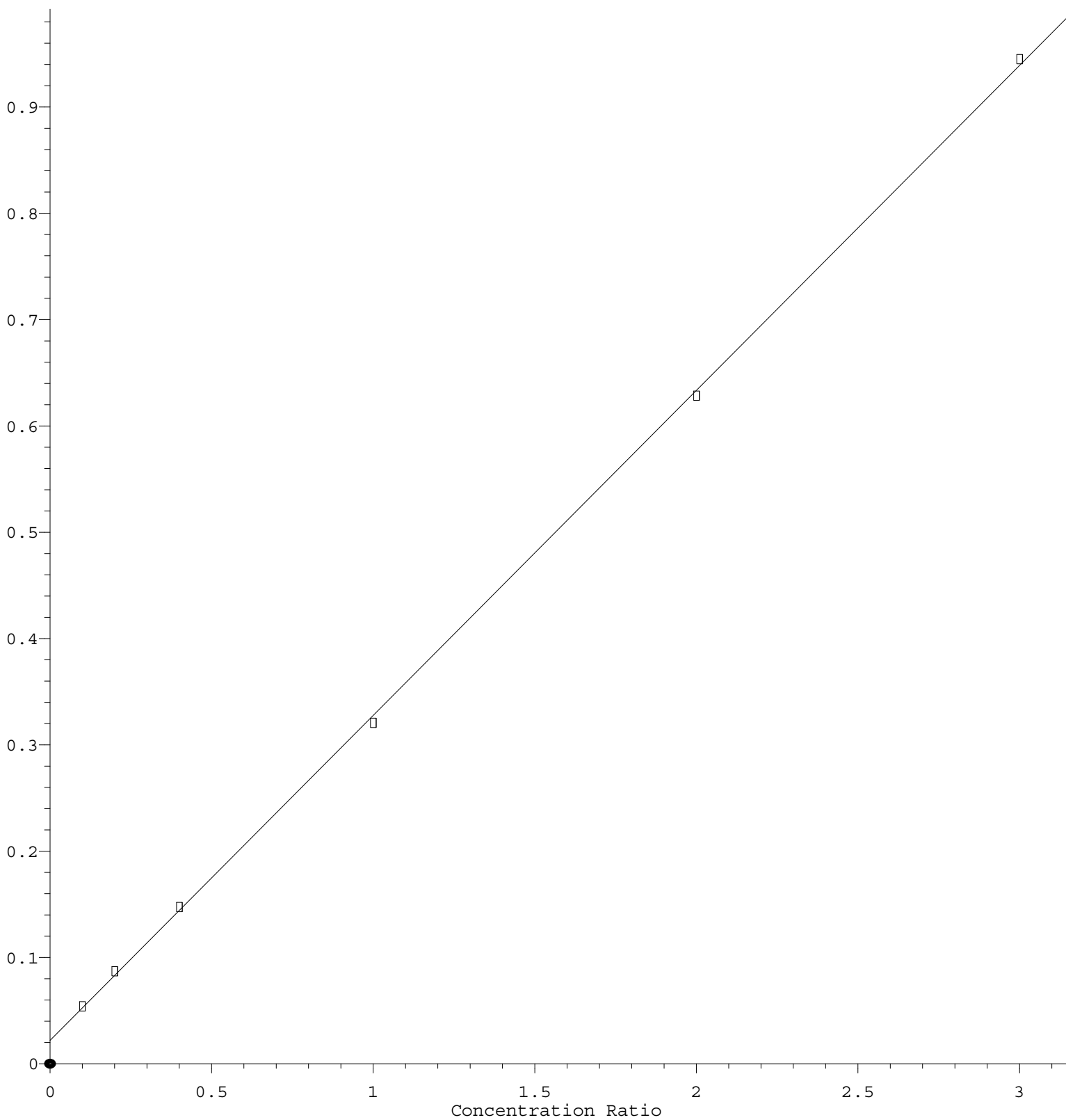
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57)	T	1,3-Dichloropr...	0.457	0.483	0.514	0.477	0.478	0.433	0.474	5.70
58)	T	2-Chloroethyl ...	0.185	0.194	0.200	0.193	0.203	0.182	0.193	4.23
59)	T	2-Hexanone	0.155	0.171	0.184	0.176	0.178	0.144	0.168	9.05
60)	T	Dibromochlorom...	0.338	0.343	0.362	0.355	0.358	0.327	0.347	3.85
61)	T	1,2-Dibromoethane	0.278	0.276	0.293	0.271	0.281	0.247	0.274	5.53
62)	S	4-Bromofluorob...	0.443	0.422	0.423	0.403	0.381	0.365	0.406	7.20
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.414	0.386	0.418	0.405	0.366	0.378	0.394	5.32
65)	PM	Chlorobenzene	1.116	1.061	1.155	1.126	1.047	1.066	1.095	3.94
66)	T	1,1,1,2-Tetrac...	0.416	0.409	0.426	0.426	0.402	0.402	0.414	2.60
67)	C	Ethyl Benzene	2.048	1.995	2.159	2.127	1.951	2.018	2.050	3.89#
68)	T	m/p-Xylenes	0.794	0.749	0.816	0.795	0.738	0.762	0.776	3.92
69)	T	o-Xylene	0.755	0.732	0.751	0.755	0.700	0.711	0.734	3.23
70)	T	Styrene	1.187	1.162	1.267	1.243	1.194	1.188	1.207	3.30
71)	P	Bromoform	0.217	0.227	0.236	0.234	0.239	0.214	0.228	4.57
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.459	4.341	4.586	4.612	4.177	4.403	4.430	3.65
74)	T	N-amyl acetate	0.884	1.042	1.099	1.024	1.054	0.914	1.003	8.46
75)	P	1,1,2,2-Tetrac...	0.750	0.787	0.792	0.768	0.766	0.689	0.759	4.93
76)	T	1,2,3-Trichlor...	0.665	0.611	0.583	0.536	0.535	0.536	0.578	9.18
77)	T	Bromobenzene	0.975	0.942	0.964	0.974	0.927	0.926	0.951	2.37
78)	T	n-propylbenzene	5.380	5.244	5.529	5.588	4.993	5.247	5.330	4.08
79)	T	2-Chlorotoluene	2.987	2.879	3.029	3.065	2.791	2.880	2.939	3.59
80)	T	1,3,5-Trimethy...	3.762	3.582	3.820	3.840	3.432	3.580	3.669	4.44
81)	T	trans-1,4-Dich...	0.259	0.279	0.296	0.290	0.289	0.255	0.278	6.22
82)	T	4-Chlorotoluene	3.057	3.010	3.086	3.143	2.840	2.938	3.012	3.63
83)	T	tert-Butylbenzene	3.257	3.101	3.365	3.353	3.024	3.141	3.207	4.37
84)	T	1,2,4-Trimethy...	3.560	3.454	3.752	3.727	3.377	3.475	3.558	4.29
85)	T	sec-Butylbenzene	4.778	4.598	4.939	4.994	4.416	4.637	4.727	4.64
86)	T	p-Isopropyltol...	3.867	3.816	4.069	4.083	3.681	3.846	3.894	3.99
87)	T	1,3-Dichlorobe...	1.848	1.833	1.914	1.930	1.786	1.800	1.852	3.19
88)	T	1,4-Dichlorobe...	1.895	1.845	1.895	1.893	1.745	1.753	1.838	3.89
89)	T	n-Butylbenzene	3.747	3.570	3.861	3.912	3.479	3.647	3.703	4.55
90)	T	Hexachloroethane	0.757	0.719	0.748	0.776	0.721	0.744	0.744	2.95
91)	T	1,2-Dichlorobe...	1.688	1.624	1.685	1.666	1.564	1.559	1.631	3.59
92)	T	1,2-Dibromo-3-...	0.143	0.123	0.134	0.127	0.134	0.113	0.129	8.05
93)	T	1,2,4-Trichlor...	0.959	0.931	0.997	1.021	0.978	0.972	0.976	3.15
94)	T	Hexachlorobuta...	0.590	0.543	0.571	0.598	0.536	0.560	0.566	4.38
95)	T	Naphthalene	2.242	2.057	2.185	2.110	2.197	1.972	2.127	4.73
96)	T	1,2,3-Trichlor...	0.845	0.828	0.855	0.873	0.851	0.815	0.844	2.42

(#) = Out of Range

Bromomethane

Response Ratio



$$\text{Response} = 3.057\text{e-}001 * \text{Amt} + 2.234\text{e-}002$$

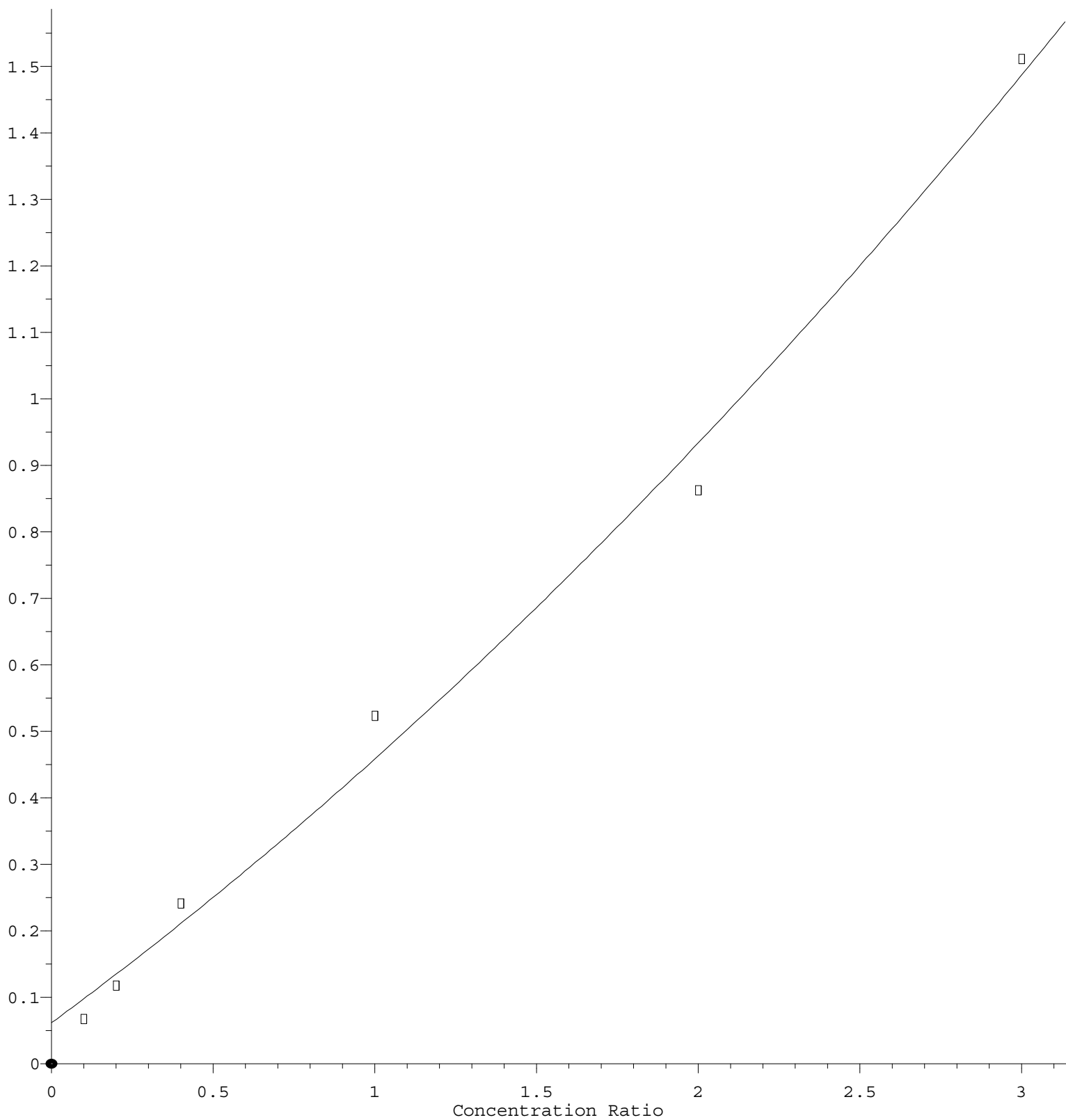
Coef of Det (r^2) = 0.999785 Curve Fit: Linear

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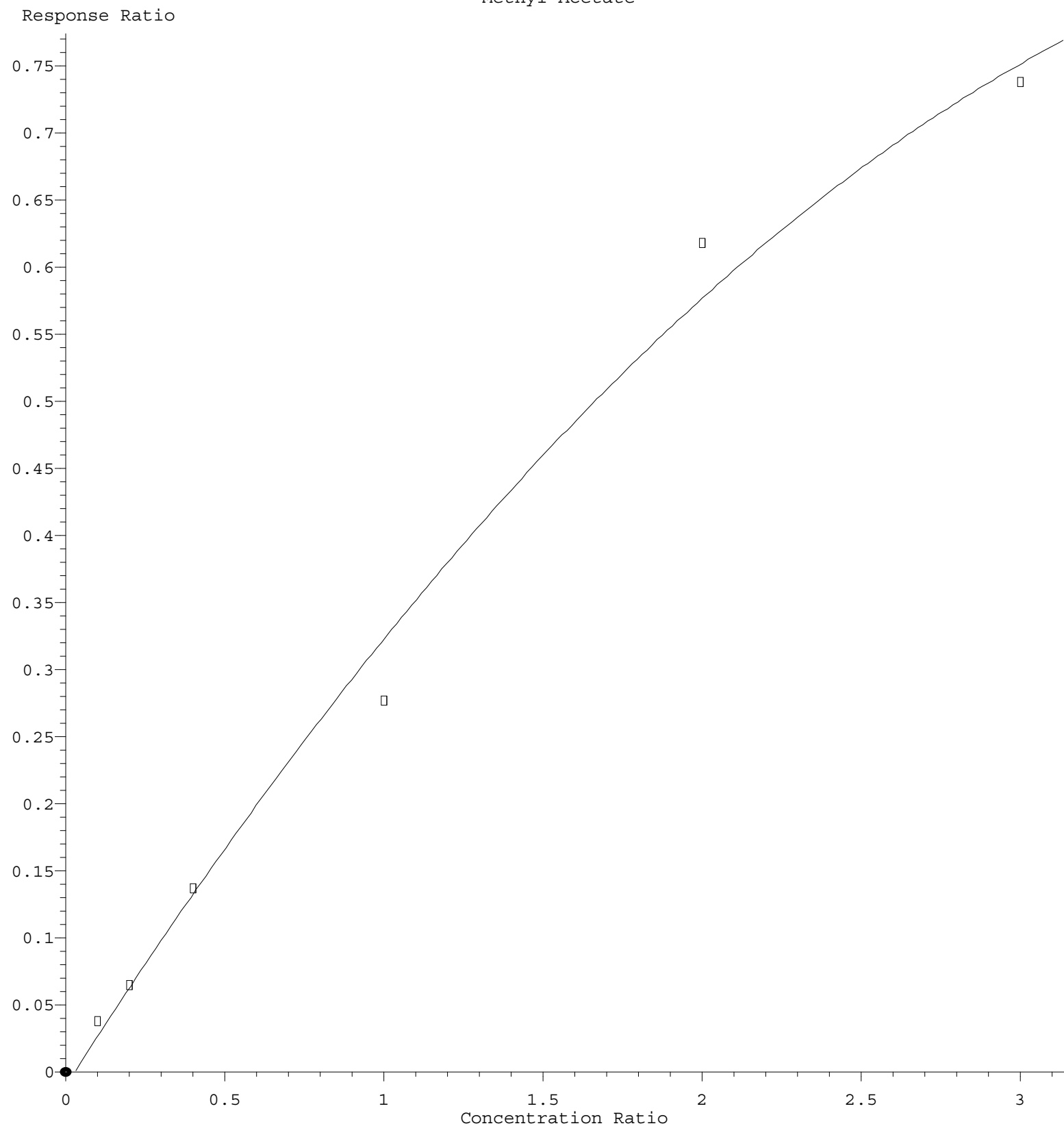
Chloromethane

Response Ratio



$R = 3.915e-002 A^2 + 3.577e-001 A + 6.164e-002$
Coef of Det (r^2) = 0.992229 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y021422S.M
Calibration Table Last Updated: Tue Feb 15 09:34:50 2022

Methyl Acetate



$R = -3.960e-002 A^2 + 3.727e-001 A - 1.030e-002$
Coef of Det (r^2) = 0.990638 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y021422S.M
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