

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y040723S.M
 Title : SW846 8260
 Last Update : Mon Apr 10 01:29:21 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY013219.D 10 =VY013220.D 20 =VY013221.D 50 =VY013222.D 100 =VY013223.D 150 =VY013224.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.471	0.564	0.539	0.441	0.430	0.416	0.477	12.82
3) P	Chloromethane	0.936	0.880	0.768	0.616	0.565	0.551	0.719	23.08
4) C	Vinyl Chloride	0.566	0.623	0.592	0.545	0.527	0.539	0.565	6.40#
5) T	Bromomethane	0.333	0.367	0.355	0.328	0.338	0.356	0.346	4.43
6) T	Chloroethane	0.491	0.512	0.455	0.372	0.381	0.387	0.433	14.15
7) T	Trichlorofluor...	0.900	0.960	0.925	0.819	0.789	0.788	0.864	8.63
8) T	Diethyl Ether	0.338	0.345	0.319	0.311	0.306	0.300	0.320	5.67
9) T	1,1,2-Trichlor...	0.552	0.557	0.540	0.489	0.471	0.482	0.515	7.51
10) T	Methyl Iodide	0.548	0.577	0.577	0.584	0.584	0.618	0.581	3.87
11) T	Tert butyl alc...	0.271	0.160	0.137	0.104	0.098	0.081	0.142	48.89
12) CM	1,1-Dichloroet...	0.482	0.507	0.488	0.452	0.440	0.445	0.469	5.78#
13) T	Acrolein	0.063	0.063	0.060	0.056	0.058	0.054	0.059	6.60
14) T	Allyl chloride	0.968	0.999	0.967	0.930	0.950	0.962	0.963	2.37
15) T	Acrylonitrile	0.199	0.203	0.188	0.215	0.214	0.195	0.202	5.24
16) T	Acetone	0.265	0.240	0.206	0.245	0.236	0.208	0.234	9.80
17) T	Carbon Disulfide	1.331	1.547	1.490	1.304	1.270	1.266	1.368	8.81
18) T	Methyl Acetate	0.830	0.825	0.738	0.788	0.796	0.726	0.784	5.55
19) T	Methyl tert-bu...	1.503	1.554	1.538	1.657	1.658	1.618	1.588	4.11
20) T	Methylene Chlo...	1.107	0.962	0.736	0.596	0.561	0.552	0.752	30.93
21) T	trans-1,2-Dich...	0.566	0.572	0.565	0.539	0.534	0.543	0.553	2.94
22) T	Diisopropyl ether	1.789	2.021	2.035	2.129	2.055	1.977	2.001	5.76
23) T	Vinyl Acetate	1.107	1.237	1.225	1.363	1.353	1.265	1.258	7.49
24) P	1,1-Dichloroet...	1.089	1.119	1.091	1.042	1.027	1.032	1.067	3.56
25) T	2-Butanone	0.349	0.320	0.284	0.339	0.336	0.293	0.320	8.25
26) T	2,2-Dichloropr...	1.138	1.035	0.990	0.938	0.909	0.905	0.986	9.11
27) T	cis-1,2-Dichlo...	0.615	0.667	0.626	0.628	0.619	0.621	0.629	3.01
28) T	Bromochloromet...	0.485	0.526	0.471	0.500	0.498	0.478	0.493	3.98
29) T	Tetrahydrofuran	0.171	0.195	0.176	0.216	0.215	0.183	0.193	10.13
30) C	Chloroform	1.134	1.144	1.103	1.064	1.062	1.059	1.094	3.52#
31) T	Cyclohexane	1.013	0.946	0.928	0.850	0.843	0.846	0.904	7.69
32) T	1,1,1-Trichlor...	0.988	1.031	1.010	0.941	0.931	0.936	0.973	4.39
33) S	1,2-Dichloroet...	0.719	0.699	0.645	0.622	0.608	0.596	0.648	7.78
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.353	0.369	0.359	0.338	0.342	0.341	0.350	3.54
36) T	1,1-Dichloropr...	0.514	0.532	0.514	0.516	0.505	0.504	0.514	2.01
37) T	Ethyl Acetate	0.390	0.450	0.406	0.466	0.469	0.408	0.431	7.92
38) T	Carbon Tetrach...	0.599	0.617	0.624	0.573	0.564	0.558	0.589	4.77
39) T	Methylcyclohexane	0.513	0.565	0.591	0.582	0.590	0.589	0.572	5.29
40) TM	Benzene	1.518	1.575	1.578	1.519	1.478	1.449	1.520	3.38
41) T	Methacrylonitrile	0.138	0.153	0.146	0.181	0.190	0.171	0.163	12.57
42) TM	1,2-Dichloroet...	0.509	0.548	0.543	0.545	0.520	0.505	0.528	3.68
43) T	Isopropyl Acetate	0.709	0.765	0.701	0.805	0.813	0.753	0.758	6.20
44) TM	Trichloroethene	0.401	0.398	0.402	0.379	0.384	0.380	0.391	2.72
45) C	1,2-Dichloropr...	0.394	0.408	0.400	0.406	0.394	0.387	0.398	1.95#
46) T	Dibromomethane	0.239	0.264	0.233	0.246	0.242	0.230	0.242	4.99
47) T	Bromodichlorom...	0.562	0.585	0.574	0.568	0.557	0.552	0.566	2.10
48) T	Methyl methacr...	0.284	0.319	0.312	0.365	0.371	0.343	0.332	10.11
49) T	1,4-Dioxane	0.003	0.003	0.003	0.004	0.004	0.003	0.003	12.01
50) S	Toluene-d8	1.204	1.247	1.275	1.270	1.233	1.229	1.243	2.14
51) T	4-Methyl-2-Pen...	0.379	0.433	0.396	0.473	0.461	0.405	0.425	8.76
52) CM	Toluene	0.856	0.922	0.954	0.970	0.926	0.913	0.924	4.28#
53) T	t-1,3-Dichloro...	0.550	0.593	0.585	0.612	0.616	0.600	0.593	4.04
54) T	cis-1,3-Dichlo...	0.610	0.645	0.622	0.655	0.649	0.643	0.637	2.70
55) T	1,1,2-Trichlor...	0.325	0.340	0.319	0.337	0.327	0.317	0.327	2.85
56) T	Ethyl methacry...	0.366	0.407	0.406	0.505	0.515	0.484	0.447	13.82

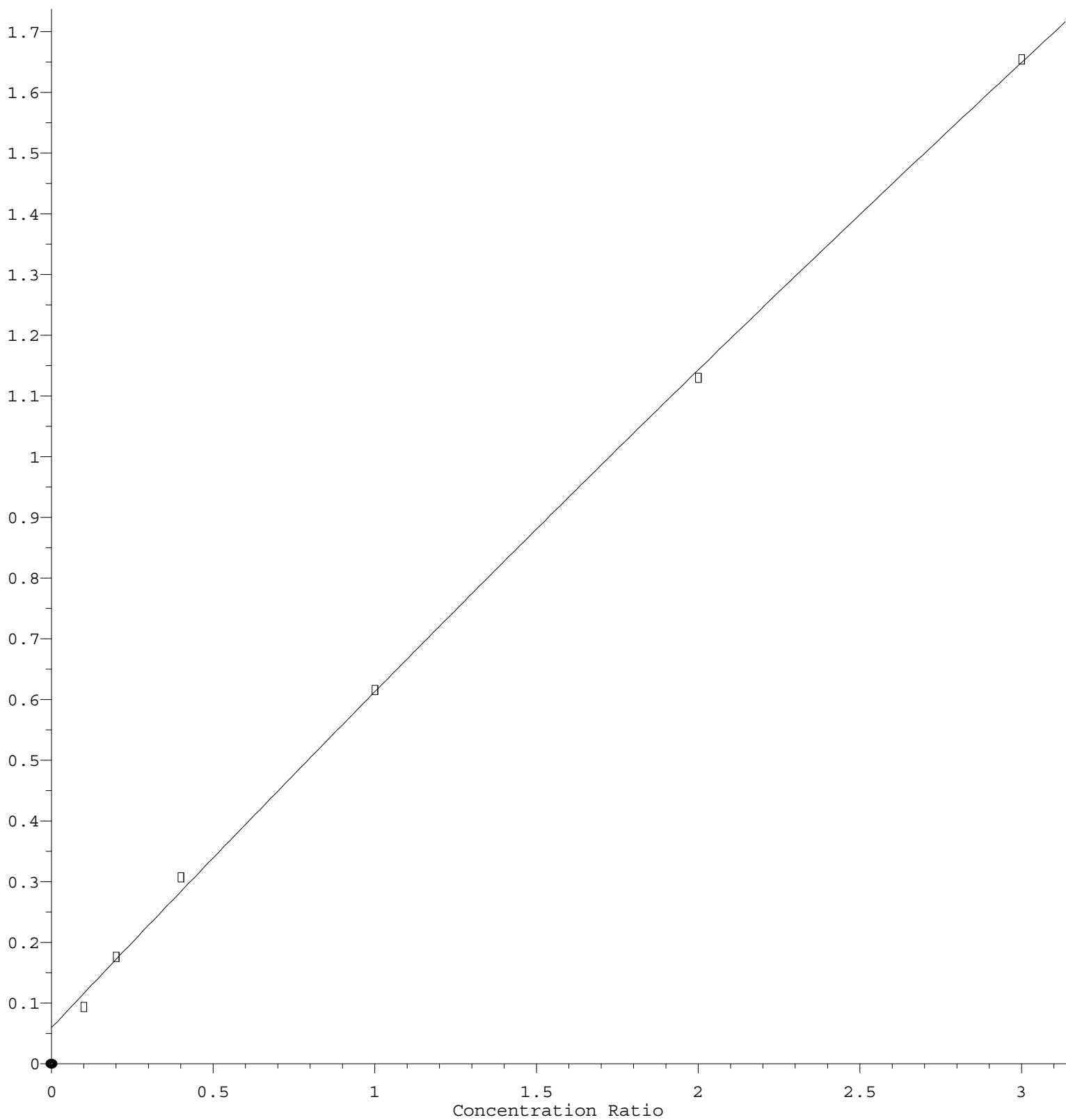
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y040723S.M

57)	T	1,3-Dichloropr...	0.549	0.571	0.558	0.581	0.573	0.553	0.564	2.29
58)	T	2-Chloroethyl ...	0.189	0.211	0.205	0.228	0.222	0.213	0.211	6.47
59)	T	2-Hexanone	0.266	0.310	0.279	0.348	0.340	0.293	0.306	10.78
60)	T	Dibromochlorom...	0.390	0.415	0.402	0.415	0.412	0.401	0.406	2.47
61)	T	1,2-Dibromoethane	0.306	0.319	0.311	0.327	0.324	0.311	0.316	2.62
62)	S	4-Bromofluorob...	0.411	0.426	0.428	0.444	0.435	0.431	0.429	2.53
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.383	0.393	0.393	0.364	0.368	0.361	0.377	3.84
65)	PM	Chlorobenzene	1.164	1.163	1.167	1.142	1.109	1.084	1.138	3.01
66)	T	1,1,1,2-Tetrac...	0.462	0.454	0.443	0.446	0.436	0.427	0.445	2.86
67)	C	Ethyl Benzene	1.811	1.938	2.020	2.012	1.997	1.984	1.960	4.01#
68)	T	m/p-Xylenes	0.673	0.736	0.796	0.779	0.760	0.754	0.750	5.71
69)	T	o-Xylene	0.623	0.682	0.716	0.734	0.732	0.718	0.701	6.05
70)	T	Styrene	1.023	1.168	1.253	1.284	1.257	1.225	1.202	8.00
71)	P	Bromoform	0.301	0.312	0.298	0.319	0.324	0.302	0.309	3.47
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.388	3.572	3.639	3.653	3.755	3.796	3.634	4.00
74)	T	N-amyl acetate	1.139	1.333	1.253	1.469	1.488	1.376	1.343	9.88
75)	P	1,1,2,2-Tetrac...	0.919	0.992	0.868	0.940	0.956	0.883	0.926	4.98
76)	T	1,2,3-Trichlor...	0.670	0.732	0.735	0.656	0.662	0.613	0.678	6.99
77)	T	Bromobenzene	0.910	0.922	0.891	0.916	0.911	0.910	0.910	1.14
78)	T	n-propylbenzene	4.101	4.365	4.529	4.573	4.594	4.583	4.458	4.36
79)	T	2-Chlorotoluene	2.484	2.518	2.548	2.544	2.568	2.567	2.538	1.27
80)	T	1,3,5-Trimethy...	2.747	2.974	3.044	3.079	3.107	3.105	3.009	4.58
81)	T	trans-1,4-Dich...	0.310	0.332	0.307	0.349	0.357	0.327	0.330	6.07
82)	T	4-Chlorotoluene	2.515	2.709	2.700	2.668	2.664	2.629	2.647	2.69
83)	T	tert-Butylbenzene	2.421	2.584	2.672	2.752	2.683	2.794	2.651	5.05
84)	T	1,2,4-Trimethy...	2.563	2.915	2.982	3.053	3.058	3.060	2.938	6.56
85)	T	sec-Butylbenzene	3.583	3.824	3.979	4.015	4.013	3.988	3.900	4.39
86)	T	p-Isopropyltol...	2.878	3.190	3.334	3.324	3.354	3.355	3.239	5.79
87)	T	1,3-Dichlorobe...	1.866	1.845	1.800	1.774	1.749	1.728	1.794	3.02
88)	T	1,4-Dichlorobe...	1.853	1.972	1.849	1.785	1.756	1.731	1.824	4.80
89)	T	n-Butylbenzene	2.896	2.961	3.071	3.139	3.180	3.170	3.069	3.83
90)	T	Hexachloroethane	0.732	0.708	0.678	0.658	0.674	0.679	0.688	3.89
91)	T	1,2-Dichlorobe...	1.635	1.719	1.673	1.635	1.621	1.595	1.646	2.65
92)	T	1,2-Dibromo-3-...	0.165	0.197	0.156	0.173	0.178	0.164	0.172	8.29
93)	T	1,2,4-Trichlor...	0.929	1.007	0.945	0.951	1.041	1.040	0.985	5.08
94)	T	Hexachlorobuta...	0.657	0.600	0.579	0.557	0.571	0.581	0.591	5.96
95)	T	Naphthalene	1.852	2.099	1.928	2.276	2.500	2.397	2.175	11.92
96)	T	1,2,3-Trichlor...	0.899	0.928	0.874	0.909	0.949	0.938	0.916	3.01

(#) = Out of Range

Chloromethane

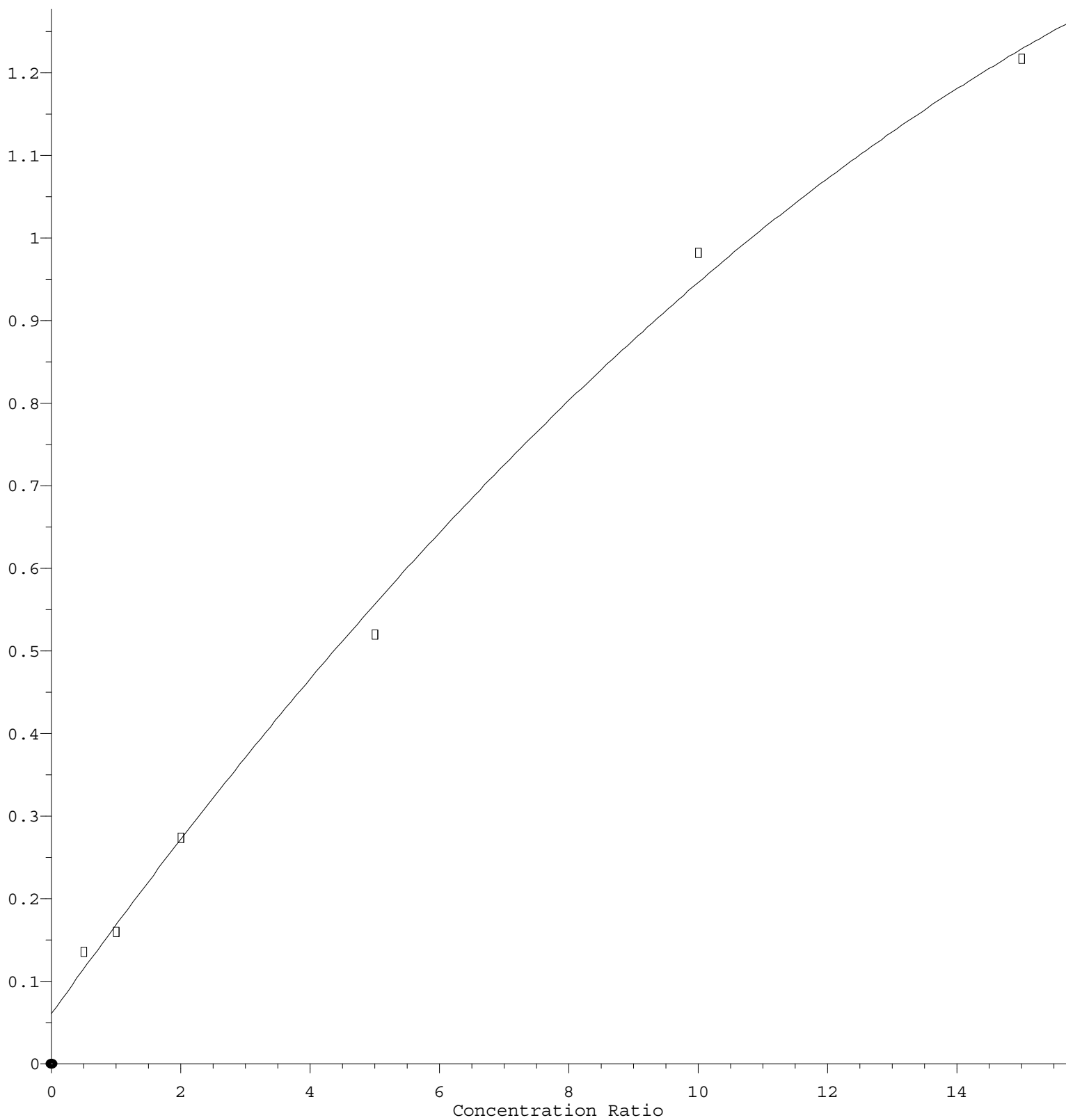
Response Ratio



$R = -1.167e-002 A^2 + 5.650e-001 A + 5.953e-002$
Coef of Det (r^2) = 0.999332 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y040723S.M
Calibration Table Last Updated: Mon Apr 10 01:29:21 2023

Tert butyl alcohol

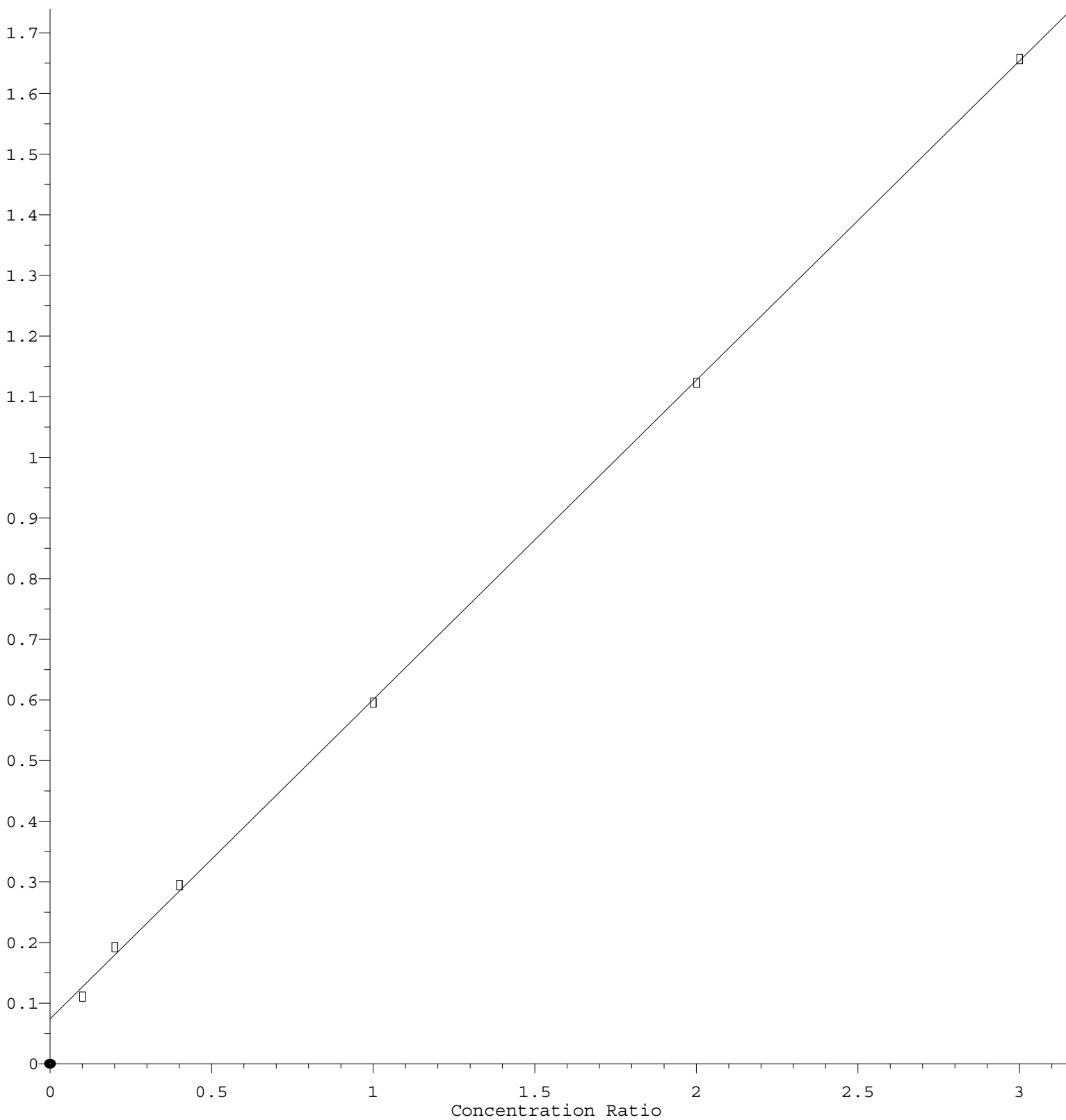
Response Ratio



$R = -2.135e-003 A^2 + 1.099e-001 A + 6.065e-002$
Coef of Det (r^2) = 0.996827 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y040723S.M
Calibration Table Last Updated: Mon Apr 10 01:29:21 2023

Methylene Chloride

Response Ratio



$$\text{Response} = 5.265\text{e-}001 * \text{Amt} + 7.419\text{e-}002$$

Coef of Det (r^2) = 0.999692 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y040723S.M

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