

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y060324S.M
 Title : SW846 8260
 Last Update : Tue Jun 04 07:11:56 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY018429.D 10 =VY018430.D 20 =VY018431.D 50 =VY018432.D 100 =VY018433.D 150 =VY018434.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.800	0.921	0.924	0.678	0.767	0.675	0.794	13.97
3) P	Chloromethane	1.535	1.648	1.921	1.337	1.319	1.126	1.481	19.04
4) C	Vinyl Chloride	1.838	1.973	2.086	1.617	1.695	1.418	1.771	13.79#
5) T	Bromomethane	1.267	1.329	1.367	1.051	1.094	0.983	1.182	13.52
6) T	Chloroethane	1.091	1.265	1.281	1.058	1.086	0.930	1.118	11.91
7) T	Trichlorofluor...	1.797	2.052	2.072	1.673	1.819	1.583	1.833	10.77
8) T	Diethyl Ether	0.535	0.602	0.621	0.515	0.559	0.476	0.551	9.89
9) T	1,1,2-Trichlor...	1.122	1.190	1.169	0.951	1.036	0.934	1.067	10.35
10) T	Methyl Iodide	0.920	1.124	1.164	1.027	1.099	0.954	1.048	9.28
11) T	Tert butyl alc...	0.351	0.252	0.149	0.104	0.091	0.077	0.171	63.71
12) CM	1,1-Dichloroet...	1.063	1.152	1.182	0.951	1.025	0.922	1.049	9.99#
13) T	Acrolein	0.078	0.083	0.080	0.133	0.128	0.100	0.101	24.64
14) T	Allyl chloride	1.505	1.592	1.751	1.488	1.578	1.303	1.536	9.59
15) T	Acrylonitrile	0.245	0.283	0.275	0.249	0.267	0.194	0.252	12.66
16) T	Acetone	0.226	0.221	0.217	0.234	0.231	0.179	0.218	9.17
17) T	Carbon Disulfide	3.049	3.442	3.576	2.764	2.998	2.634	3.077	12.01
18) T	Methyl Acetate	0.558	0.629	0.625	0.500	0.546	0.412	0.545	15.00
19) T	Methyl tert-bu...	2.404	2.726	2.809	2.461	2.695	2.074	2.528	10.78
20) T	Methylene Chlo...	1.785	1.746	1.414	1.096	1.105	0.943	1.348	26.54
21) T	trans-1,2-Dich...	1.036	1.238	1.294	1.060	1.137	0.952	1.119	11.53
22) T	Diisopropyl ether	3.154	3.441	3.665	3.093	2.957	2.461	3.128	13.28
23) T	Vinyl Acetate	1.830	2.268	2.298	2.081	2.085	1.654	2.036	12.33
24) P	1,1-Dichloroet...	1.886	2.109	2.202	1.867	2.017	1.627	1.951	10.46
25) T	2-Butanone	0.319	0.378	0.344	0.357	0.356	0.249	0.334	13.66
26) T	2,2-Dichloropr...	1.911	1.852	1.844	1.598	1.700	1.387	1.715	11.52
27) T	cis-1,2-Dichlo...	1.241	1.417	1.448	1.244	1.355	1.108	1.302	9.83
28) T	Bromochloromet...	1.086	0.929	0.949	0.928	0.865	0.632	0.898	16.65
29) T	Tetrahydrofuran	0.213	0.257	0.241	0.215	0.217	0.158	0.217	15.56
30) C	Chloroform	1.856	2.139	2.223	1.873	2.038	1.614	1.957	11.32#
31) T	Cyclohexane	1.973	2.086	2.110	1.689	1.771	1.356	1.831	15.68
32) T	1,1,1-Trichlor...	1.642	1.822	1.897	1.626	1.797	1.501	1.714	8.67
33) S	1,2-Dichloroet...	1.056	1.095	1.062	0.968	0.995	0.715	0.982	14.14
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.674	0.628	0.679	0.602	0.685	0.537	0.634	9.12
36) T	1,1-Dichloropr...	0.969	1.049	1.047	0.870	1.009	0.856	0.967	8.87
37) T	Ethyl Acetate	0.497	0.556	0.512	0.445	0.498	0.390	0.483	11.97
38) T	Carbon Tetrach...	0.928	1.036	1.014	0.842	1.033	0.960	0.969	7.82
39) T	Methylcyclohexane	1.333	1.381	1.450	1.132	1.359	1.188	1.307	9.32
40) TM	Benzene	2.829	3.091	3.209	2.634	3.013	2.603	2.897	8.57
41) T	Methacrylonitrile	0.216	0.251	0.243	0.224	0.250	0.225	0.235	6.49
42) TM	1,2-Dichloroet...	0.701	0.749	0.769	0.649	0.735	0.622	0.704	8.28
43) T	Isopropyl Acetate	0.901	0.971	0.930	0.882	0.956	0.779	0.903	7.67
44) TM	Trichloroethene	0.714	0.743	0.770	0.634	0.747	0.698	0.718	6.71
45) C	1,2-Dichloropr...	0.676	0.702	0.719	0.615	0.688	0.574	0.662	8.44#
46) T	Dibromomethane	0.379	0.396	0.414	0.349	0.403	0.338	0.380	8.03
47) T	Bromodichlorom...	0.836	0.978	0.979	0.846	0.981	0.850	0.912	8.16
48) T	Methyl methacr...	0.406	0.427	0.456	0.393	0.449	0.362	0.415	8.58
49) T	1,4-Dioxane	0.005	0.006	0.005	0.004	0.005	0.004	0.005	11.99
50) S	Toluene-d8	2.735	2.600	2.780	2.392	2.548	2.080	2.522	10.20
51) T	4-Methyl-2-Pen...	0.438	0.508	0.519	0.470	0.476	0.404	0.469	9.15
52) CM	Toluene	1.694	1.906	1.968	1.685	1.786	1.650	1.782	7.30#
53) T	t-1,3-Dichloro...	0.788	0.850	0.913	0.805	0.877	0.791	0.837	6.14
54) T	cis-1,3-Dichlo...	0.971	1.097	1.127	0.957	1.096	0.937	1.031	8.19
55) T	1,1,2-Trichlor...	0.471	0.529	0.537	0.478	0.506	0.443	0.494	7.34
56) T	Ethyl methacry...	0.603	0.747	0.780	0.691	0.718	0.634	0.695	9.66

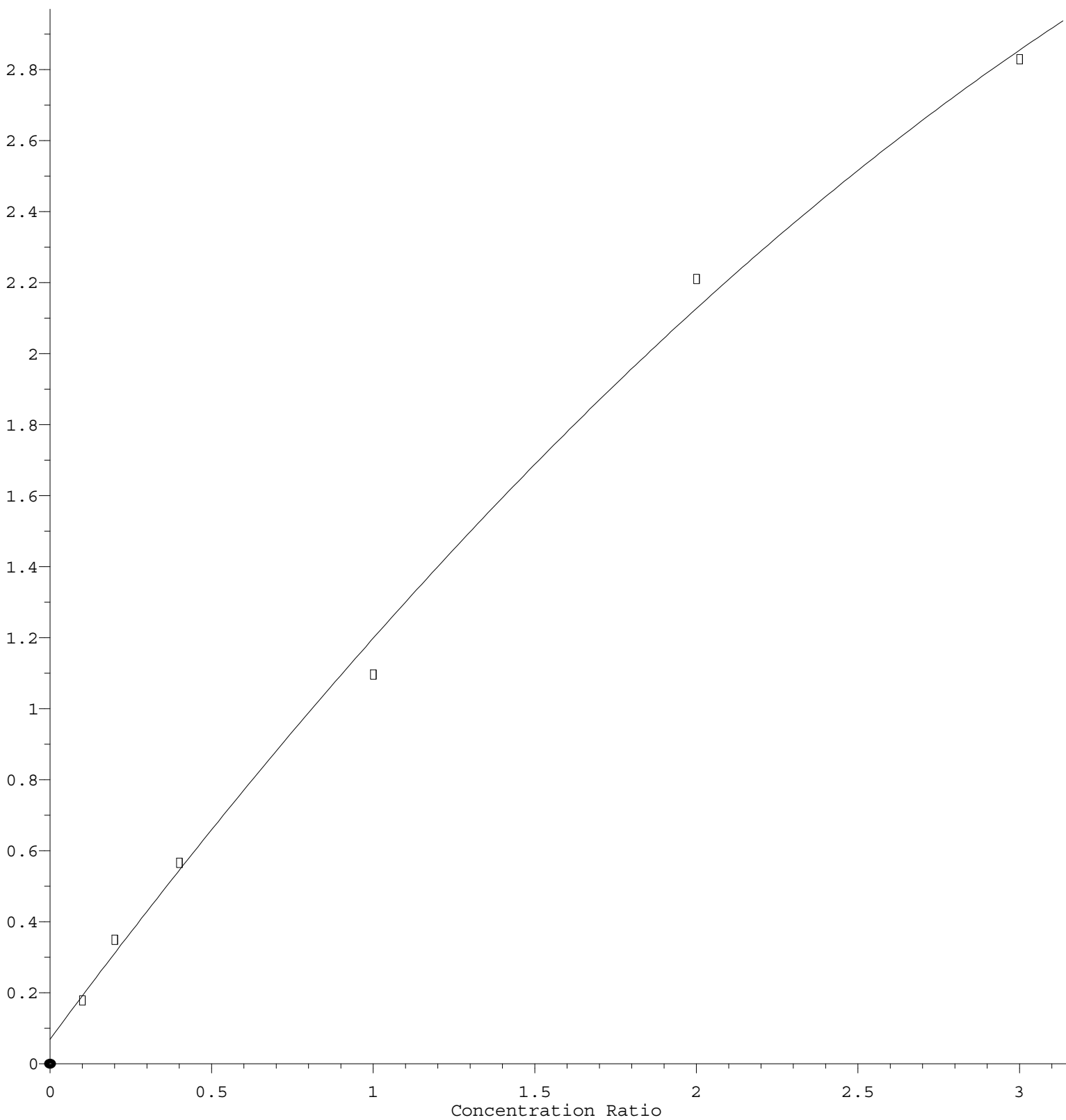
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y060324S.M

57)	T	1,3-Dichloropr...	0.785	0.887	0.954	0.813	0.846	0.748	0.839	8.84
58)	T	2-Chloroethyl ...	0.380	0.377	0.380	0.391	0.374	0.339	0.373	4.77
59)	T	2-Hexanone	0.290	0.343	0.360	0.336	0.334	0.282	0.324	9.54
60)	T	Dibromochlorom...	0.576	0.603	0.626	0.563	0.659	0.594	0.604	5.78
61)	T	1,2-Dibromoethane	0.448	0.492	0.515	0.439	0.471	0.427	0.465	7.23
62)	S	4-Bromofluorob...	0.861	0.813	0.869	0.750	0.787	0.632	0.785	11.15
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.733	0.780	0.753	0.618	0.804	0.731	0.736	8.75
65)	PM	Chlorobenzene	2.075	2.276	2.271	1.933	2.274	2.036	2.144	6.97
66)	T	1,1,1,2-Tetrac...	0.632	0.726	0.733	0.616	0.762	0.691	0.693	8.44
67)	C	Ethyl Benzene	3.713	4.233	4.240	3.518	4.047	3.667	3.903	7.96#
68)	T	m/p-Xylenes	1.328	1.587	1.596	1.334	1.559	1.413	1.470	8.57
69)	T	o-Xylene	1.409	1.525	1.497	1.249	1.494	1.314	1.415	7.92
70)	T	Styrene	2.147	2.407	2.512	2.134	2.460	2.209	2.311	7.25
71)	P	Bromoform	0.296	0.393	0.354	0.332	0.438	0.378	0.365	13.56
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	5.056	5.621	5.639	4.662	5.162	4.817	5.160	7.84
74)	T	N-amyl acetate	1.171	1.356	1.399	1.190	1.287	1.133	1.256	8.59
75)	P	1,1,2,2-Tetrac...	0.935	1.002	1.038	0.849	0.860	0.764	0.908	11.33
76)	T	1,2,3-Trichlor...	0.780	0.694	0.646	0.544	0.572	0.486	0.620	17.35
77)	T	Bromobenzene	1.035	1.124	1.154	0.990	1.174	1.096	1.096	6.46
78)	T	n-propylbenzene	6.134	6.874	6.828	5.504	6.141	5.675	6.193	9.18
79)	T	2-Chlorotoluene	3.452	3.703	3.688	2.978	3.292	3.086	3.367	9.00
80)	T	1,3,5-Trimethy...	3.858	4.352	4.396	3.598	4.109	3.798	4.019	7.97
81)	T	trans-1,4-Dich...	0.275	0.340	0.319	0.282	0.290	0.265	0.295	9.72
82)	T	4-Chlorotoluene	3.423	3.783	3.785	2.873	3.349	3.112	3.388	10.70
83)	T	tert-Butylbenzene	3.468	3.939	4.092	3.367	3.849	3.581	3.716	7.71
84)	T	1,2,4-Trimethy...	3.703	4.250	4.391	3.395	4.065	3.801	3.934	9.42
85)	T	sec-Butylbenzene	5.425	6.031	6.091	4.725	5.497	5.067	5.473	9.74
86)	T	p-Isopropyltol...	4.061	4.840	4.838	3.874	4.627	4.262	4.417	9.32
87)	T	1,3-Dichlorobe...	2.037	2.272	2.304	1.943	2.304	2.106	2.161	7.15
88)	T	1,4-Dichlorobe...	2.054	2.256	2.289	1.877	2.239	2.024	2.123	7.72
89)	T	n-Butylbenzene	4.088	4.743	4.683	3.530	4.257	3.882	4.197	11.14
90)	T	Hexachloroethane	0.820	0.835	0.907	0.712	0.879	0.815	0.828	8.12
91)	T	1,2-Dichlorobe...	1.826	1.963	2.039	1.683	1.988	1.784	1.880	7.34
92)	T	1,2-Dibromo-3-...	0.175	0.147	0.144	0.113	0.134	0.116	0.138	16.50
93)	T	1,2,4-Trichlor...	0.897	0.973	1.060	0.878	1.196	1.098	1.017	12.15
94)	T	Hexachlorobuta...	0.502	0.551	0.551	0.441	0.624	0.571	0.540	11.62
95)	T	Naphthalene	1.741	1.894	2.103	1.891	2.449	2.178	2.043	12.46
96)	T	1,2,3-Trichlor...	0.754	0.826	0.867	0.749	1.033	0.935	0.860	12.75

(#) = Out of Range

Methylene Chloride

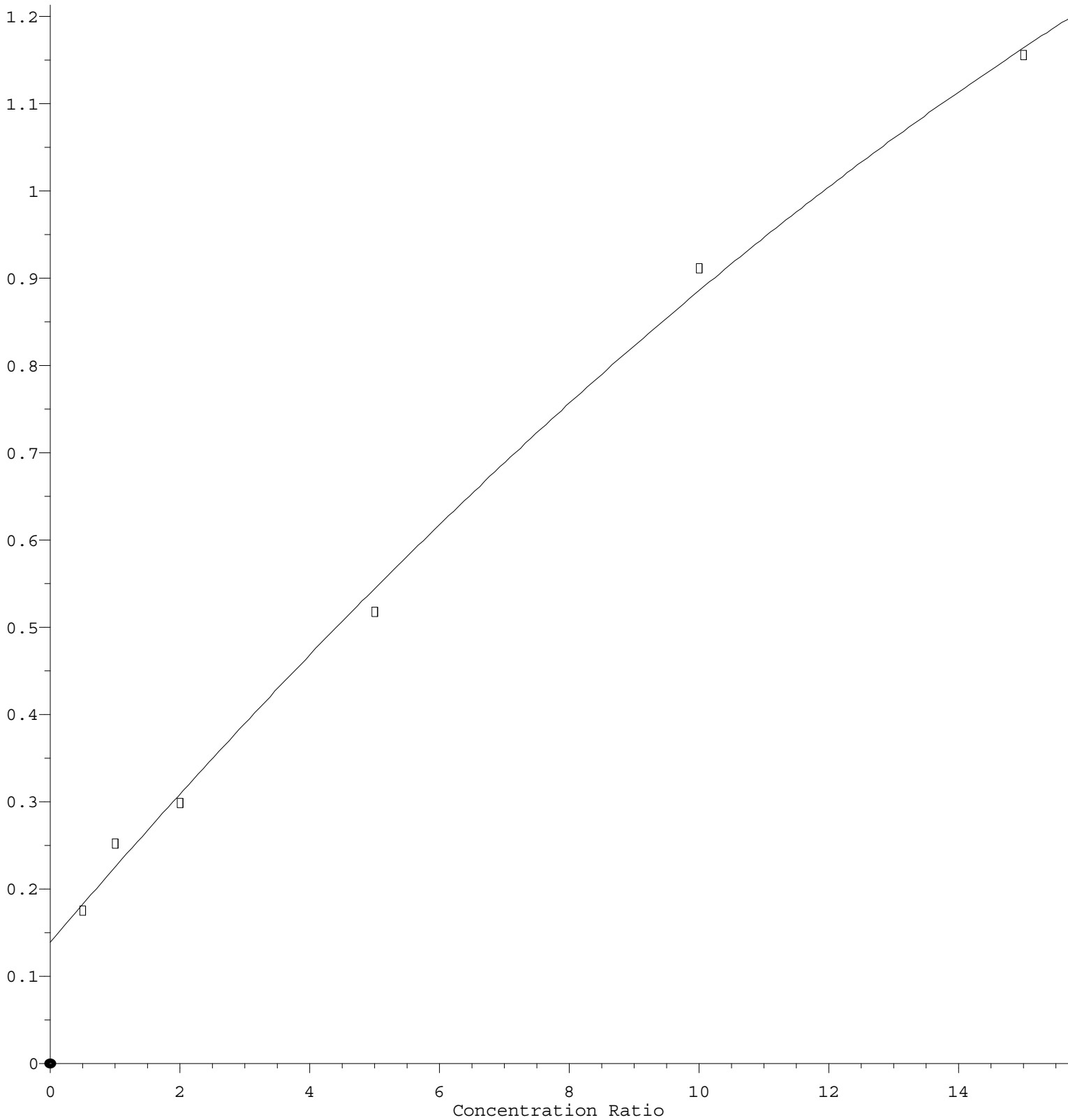
Response Ratio



$R = -1.004e-001 A^2 + 1.230e+000 A + 6.945e-002$
 Coef of Det (r^2) = 0.996564 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y060324S.M
 Calibration Table Last Updated: Tue Jun 04 07:11:56 2024

Tert butyl alcohol

Response Ratio



$R = -1.269e-003 A^2 + 8.736e-002 A + 1.391e-001$
 Coef of Det (r^2) = 0.997094 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y060324S.M
 Calibration Table Last Updated: Tue Jun 04 07:11:56 2024