

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y020222S.M
 Title : SW846 8260
 Last Update : Thu Feb 03 04:36:48 2022
 Response Via : Initial Calibration

Calibration Files

5 =VY007347.D 10 =VY007348.D 20 =VY007349.D 50 =VY007350.D 100 =VY007351.D 150 =VY007352.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.623	0.583	0.657	0.559	0.558	0.532	0.585	7.93
3) P	Chloromethane	0.969	0.711	0.737	0.652	0.630	0.606	0.717	18.49
4) C	Vinyl Chloride	0.777	0.633	0.753	0.679	0.665	0.635	0.690	8.84#
5) T	Bromomethane	0.465	0.386	0.430	0.426	0.425	0.378	0.418	7.61
6) T	Chloroethane	0.466	0.390	0.454	0.422	0.418	0.394	0.424	7.29
7) T	Trichlorofluor...	1.228	1.016	1.184	1.116	1.108	1.061	1.119	6.96
8) T	Diethyl Ether	0.346	0.316	0.354	0.329	0.324	0.323	0.332	4.45
9) T	1,1,2-Trichlor...	0.689	0.583	0.669	0.621	0.621	0.596	0.630	6.54
10) T	Methyl Iodide	0.608	0.583	0.692	0.740	0.745	0.707	0.679	10.03
11) T	Tert butyl alc...	0.167	0.100	0.103	0.066	0.057	0.058	0.092	45.83
12) CM	1,1-Dichloroet...	0.645	0.525	0.614	0.583	0.579	0.546	0.582	7.53#
13) T	Acrolein	0.078	0.070	0.080	0.078	0.078	0.080	0.077	5.10
14) T	Allyl chloride	0.997	0.780	0.929	0.901	0.897	0.859	0.894	8.10
15) T	Acrylonitrile	0.167	0.145	0.165	0.153	0.152	0.154	0.156	5.29
16) T	Acetone	0.180	0.154	0.168	0.217	0.200	0.201	0.187	12.55
17) T	Carbon Disulfide	1.980	1.641	1.942	1.841	1.830	1.728	1.827	6.99
18) T	Methyl Acetate	0.383	0.323	0.373	0.339	0.338	0.342	0.350	6.60
19) T	Methyl tert-bu...	1.764	1.490	1.697	1.635	1.636	1.617	1.640	5.56
20) T	Methylene Chlo...	0.854	0.611	0.651	0.616	0.608	0.578	0.653	15.49
21) T	trans-1,2-Dich...	0.715	0.578	0.682	0.641	0.639	0.607	0.644	7.71
22) T	Diisopropyl ether	2.134	1.720	1.956	1.847	1.822	1.759	1.873	8.08
23) T	Vinyl Acetate	1.302	1.124	1.281	1.223	1.206	1.193	1.221	5.25
24) P	1,1-Dichloroet...	1.269	1.037	1.173	1.121	1.121	1.066	1.131	7.31
25) T	2-Butanone	0.226	0.191	0.219	0.243	0.235	0.239	0.226	8.46
26) T	2,2-Dichloropr...	1.226	0.974	1.112	1.086	1.080	1.016	1.082	8.02
27) T	cis-1,2-Dichlo...	0.773	0.657	0.734	0.711	0.713	0.678	0.711	5.78
28) T	Bromochloromet...	0.493	0.404	0.422	0.439	0.450	0.446	0.442	6.81
29) T	Tetrahydrofuran	0.142	0.119	0.137	0.131	0.125	0.129	0.130	6.23
30) C	Chloroform	1.343	1.065	1.217	1.166	1.156	1.113	1.177	8.17#
31) T	Cyclohexane	1.366	1.043	1.167	1.077	1.063	1.017	1.122	11.60
32) T	1,1,1-Trichlor...	1.237	0.951	1.143	1.095	1.089	1.045	1.094	8.75
33) S	1,2-Dichloroet...	0.587	0.577	0.524	0.572	0.601	0.589	0.575	4.70
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.334	0.335	0.282	0.312	0.337	0.326	0.321	6.64
36) T	1,1-Dichloropr...	0.630	0.514	0.587	0.553	0.553	0.530	0.561	7.46
37) T	Ethyl Acetate	0.314	0.267	0.293	0.271	0.261	0.268	0.279	7.30
38) T	Carbon Tetrach...	0.658	0.522	0.616	0.589	0.588	0.566	0.590	7.76
39) T	Methylcyclohexane	0.797	0.616	0.730	0.702	0.704	0.681	0.705	8.43
40) TM	Benzene	1.681	1.340	1.527	1.471	1.481	1.427	1.488	7.63
41) T	Methacrylonitrile	0.150	0.133	0.155	0.148	0.120	0.125	0.139	10.58
42) TM	1,2-Dichloroet...	0.498	0.414	0.464	0.446	0.450	0.442	0.452	6.11
43) T	Isopropyl Acetate	0.554	0.463	0.540	0.521	0.517	0.535	0.522	6.06
44) TM	Trichloroethene	0.445	0.368	0.416	0.396	0.401	0.387	0.402	6.55
45) C	1,2-Dichloropr...	0.431	0.330	0.368	0.359	0.364	0.350	0.367	9.27#
46) T	Dibromomethane	0.248	0.200	0.219	0.216	0.214	0.212	0.218	7.25
47) T	Bromodichlorom...	0.578	0.482	0.535	0.528	0.528	0.516	0.528	5.86
48) T	Methyl methacr...	0.252	0.206	0.239	0.237	0.239	0.244	0.236	6.65
49) T	1,4-Dioxane	0.002	0.002	0.003	0.003	0.002	0.003	0.002	14.38
50) S	Toluene-d8	1.223	1.219	1.032	1.164	1.258	1.221	1.186	6.84
51) T	4-Methyl-2-Pen...	0.276	0.238	0.278	0.265	0.260	0.271	0.265	5.52
52) CM	Toluene	1.066	0.847	0.954	0.928	0.933	0.897	0.937	7.80#
53) T	t-1,3-Dichloro...	0.585	0.494	0.566	0.556	0.560	0.548	0.551	5.60
54) T	cis-1,3-Dichlo...	0.665	0.554	0.629	0.620	0.630	0.608	0.618	5.89
55) T	1,1,2-Trichlor...	0.313	0.264	0.296	0.284	0.285	0.279	0.287	5.78
56) T	Ethyl methacry...	0.406	0.353	0.413	0.402	0.404	0.412	0.398	5.72

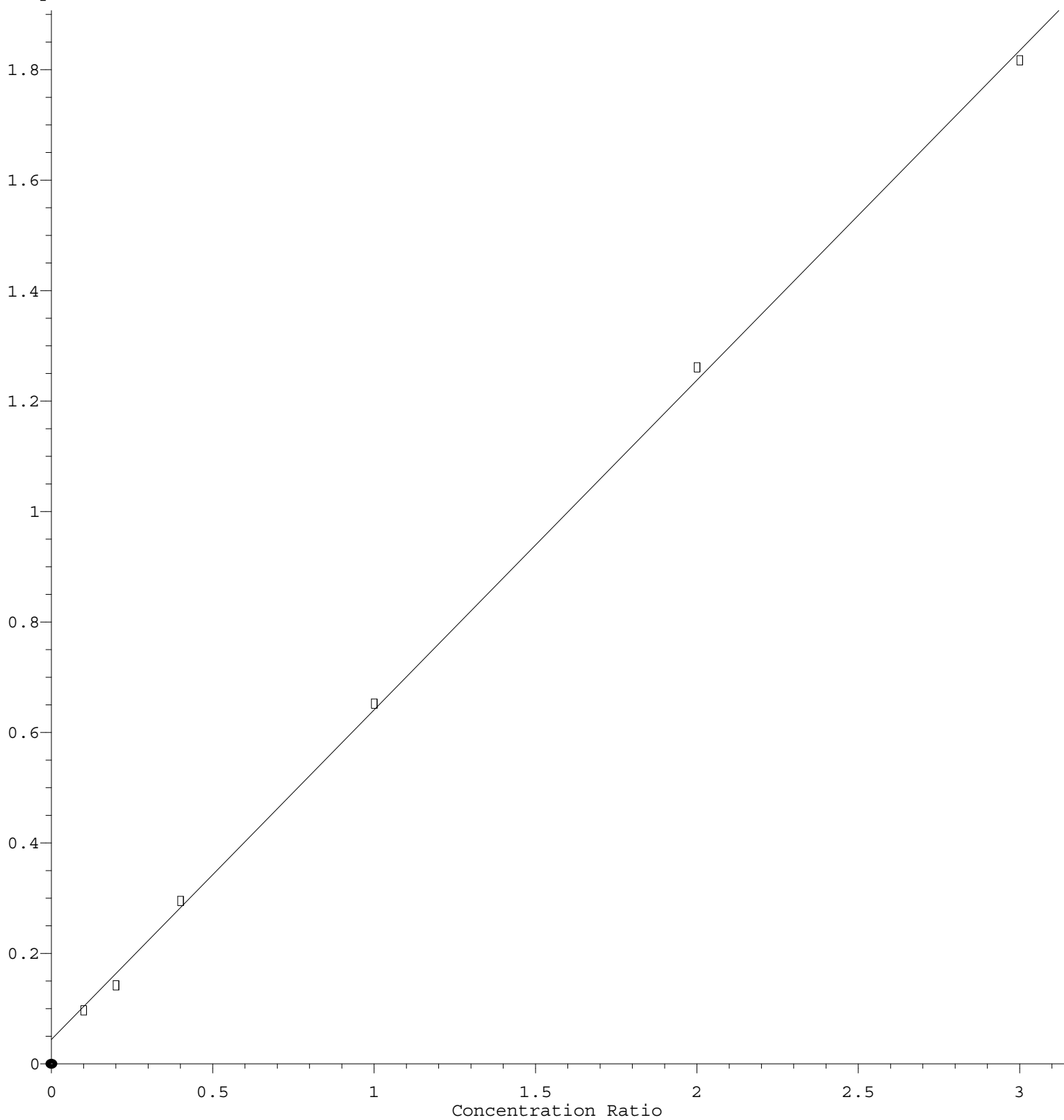
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y020222S.M

57)	T	1,3-Dichloropr...	0.572	0.470	0.517	0.499	0.501	0.491	0.508	6.88
58)	T	2-Chloroethyl ...	0.202	0.195	0.208	0.208	0.214	0.216	0.207	3.83
59)	T	2-Hexanone	0.185	0.166	0.194	0.207	0.199	0.206	0.193	8.06
60)	T	Dibromochlorom...	0.388	0.322	0.366	0.354	0.359	0.353	0.357	6.04
61)	T	1,2-Dibromoethane	0.302	0.265	0.291	0.282	0.284	0.278	0.284	4.32
62)	S	4-Bromofluorob...	0.428	0.428	0.370	0.385	0.408	0.400	0.403	5.79
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.457	0.364	0.400	0.393	0.385	0.356	0.392	9.09
65)	PM	Chlorobenzene	1.254	1.007	1.143	1.108	1.115	1.046	1.112	7.69
66)	T	1,1,1,2-Tetrac...	0.470	0.368	0.425	0.414	0.417	0.396	0.415	8.12
67)	C	Ethyl Benzene	2.343	1.914	2.168	2.088	2.151	2.000	2.111	7.03#
68)	T	m/p-Xylenes	0.849	0.699	0.809	0.787	0.798	0.748	0.782	6.64
69)	T	o-Xylene	0.825	0.655	0.759	0.745	0.747	0.704	0.739	7.70
70)	T	Styrene	1.281	1.094	1.265	1.235	1.254	1.182	1.218	5.75
71)	P	Bromoform	0.243	0.208	0.233	0.232	0.233	0.224	0.229	5.18
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	5.188	4.085	4.732	4.513	4.573	4.326	4.570	8.22
74)	T	N-amyl acetate	1.141	0.978	1.186	1.157	1.152	1.172	1.131	6.76
75)	P	1,1,2,2-Tetrac...	0.934	0.760	0.862	0.826	0.813	0.813	0.834	7.00
76)	T	1,2,3-Trichlor...	0.629	0.528	0.566	0.622	0.610	0.611	0.594	6.60
77)	T	Bromobenzene	1.084	0.884	0.967	0.950	0.962	0.929	0.963	6.94
78)	T	n-propylbenzene	6.141	4.922	5.772	5.572	5.537	5.266	5.535	7.55
79)	T	2-Chlorotoluene	3.438	2.777	3.154	3.047	3.063	2.907	3.064	7.38
80)	T	1,3,5-Trimethy...	4.136	3.347	3.850	3.761	3.734	3.538	3.728	7.24
81)	T	trans-1,4-Dich...	0.300	0.258	0.307	0.309	0.305	0.302	0.297	6.48
82)	T	4-Chlorotoluene	3.594	2.781	3.247	3.142	3.139	2.983	3.147	8.65
83)	T	tert-Butylbenzene	3.711	2.904	3.327	3.250	3.244	3.035	3.245	8.54
84)	T	1,2,4-Trimethy...	4.063	3.278	3.802	3.684	3.683	3.511	3.670	7.22
85)	T	sec-Butylbenzene	5.486	4.393	5.060	4.867	4.828	4.572	4.868	7.87
86)	T	p-Isopropyltol...	4.342	3.554	4.099	4.011	4.024	3.762	3.965	6.91
87)	T	1,3-Dichlorobe...	2.038	1.698	1.915	1.878	1.886	1.782	1.866	6.24
88)	T	1,4-Dichlorobe...	2.097	1.675	1.951	1.845	1.838	1.756	1.860	7.98
89)	T	n-Butylbenzene	4.223	3.389	3.969	3.861	3.827	3.631	3.816	7.49
90)	T	Hexachloroethane	0.822	0.658	0.755	0.758	0.763	0.740	0.749	7.10
91)	T	1,2-Dichlorobe...	1.837	1.521	1.676	1.617	1.642	1.564	1.643	6.69
92)	T	1,2-Dibromo-3-...	0.149	0.122	0.130	0.135	0.133	0.144	0.136	7.07
93)	T	1,2,4-Trichlor...	1.025	0.849	1.009	0.986	0.984	0.984	0.973	6.49
94)	T	Hexachlorobuta...	0.606	0.483	0.546	0.547	0.531	0.518	0.539	7.54
95)	T	Naphthalene	1.977	1.665	2.075	2.093	2.127	2.193	2.022	9.33
96)	T	1,2,3-Trichlor...	0.883	0.691	0.826	0.823	0.855	0.848	0.821	8.22

(#) = Out of Range

Chloromethane

Response Ratio



$$\text{Response} = 5.974\text{e-}001 * \text{Amt} + 4.357\text{e-}002$$

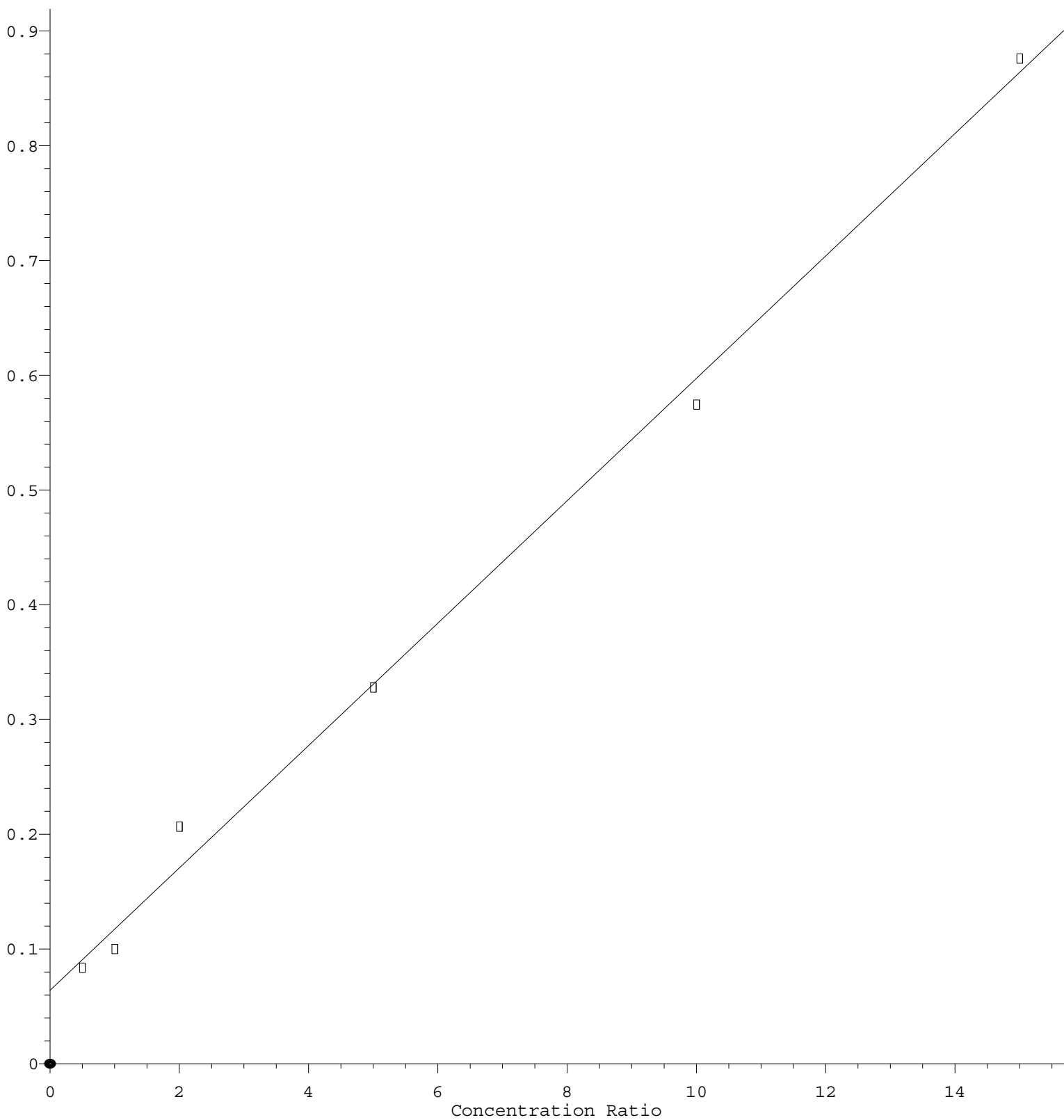
Coef of Det (r^2) = 0.999325 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y020222S.M

Calibration Table Last Updated: Thu Feb 03 04:36:48 2022

Tert butyl alcohol

Response Ratio



$$\text{Response} = 5.333\text{e-}002 * \text{Amt} + 6.366\text{e-}002$$

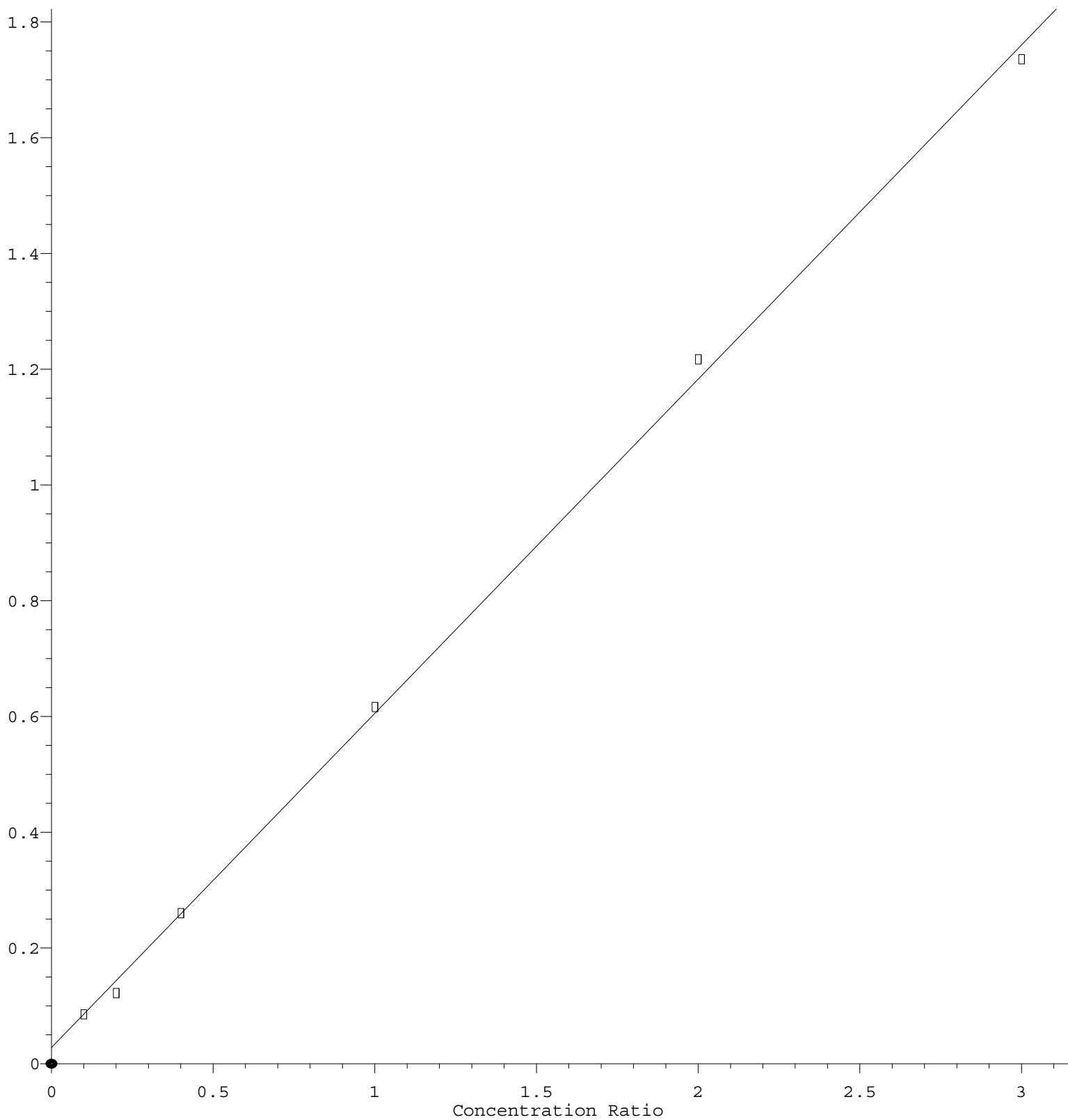
Coef of Det (r^2) = 0.995190 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y020222S.M

Calibration Table Last Updated: Thu Feb 03 04:36:48 2022

Methylene Chloride

Response Ratio



$$\text{Response} = 5.776\text{e-}001 * \text{Amt} + 2.779\text{e-}002$$

Coef of Det (r^2) = 0.998949 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y020222S.M

Calibration Table Last Updated: Thu Feb 03 04:36:48 2022