

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y121724S.M
 Title : SW846 8260
 Last Update : Wed Dec 18 05:27:13 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY020619.D 10 =VY020613.D 20 =VY020614.D 50 =VY020615.D 100 =VY020616.D 150 =VY020617.

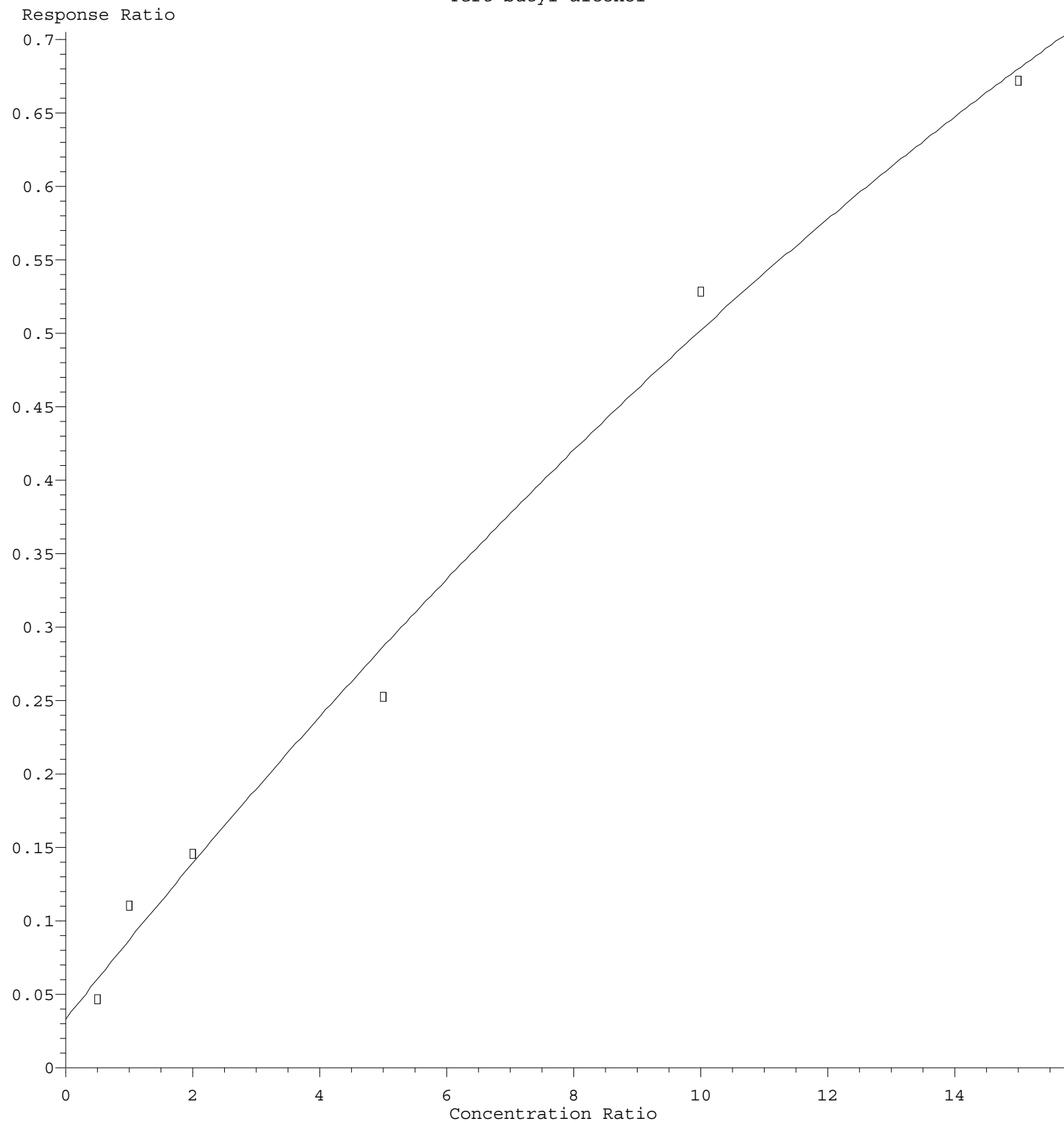
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	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.665	0.678	0.633	0.617	0.601	0.552	0.625	7.31
3) P	Chloromethane	0.555	0.490	0.506	0.428	0.426	0.372	0.463	14.32
4) C	Vinyl Chloride	0.487	0.443	0.469	0.371	0.440	0.374	0.431	11.27#
5) T	Bromomethane	0.327	0.291	0.279	0.229	0.282	0.254	0.277	12.08
6) T	Chloroethane	0.302	0.273	0.287	0.212	0.272	0.251	0.266	11.75
7) T	Trichlorofluor...	0.993	0.981	0.954	0.791	0.878	0.810	0.901	9.73
8) T	Diethyl Ether	0.343	0.346	0.330	0.291	0.315	0.272	0.316	9.40
9) T	1,1,2-Trichlor...	0.712	0.715	0.659	0.603	0.649	0.537	0.646	10.48
10) T	Methyl Iodide	0.670	0.803	0.746	0.692	0.778	0.625	0.719	9.47
11) T	Tert butyl alc...	0.093	0.110	0.073	0.051	0.053	0.045	0.071	37.31
12) CM	1,1-Dichloroet...	0.667	0.701	0.637	0.589	0.638	0.528	0.627	9.72#
13) T	Acrolein	0.033	0.039	0.033	0.017	0.019	0.015	0.026	38.81
14) T	Allyl chloride	1.163	1.235	1.118	1.028	1.144	0.901	1.098	10.74
15) T	Acrylonitrile	0.144	0.179	0.144	0.155	0.153	0.132	0.151	10.38
16) T	Acetone	0.168	0.141	0.107	0.098	0.110		0.125	23.18
17) T	Carbon Disulfide	2.142	2.315	2.083	1.939	2.092	1.669	2.040	10.70
18) T	Methyl Acetate	0.378	0.474	0.351	0.350	0.391	0.292	0.373	16.13
19) T	Methyl tert-bu...	1.542	1.799	1.584	1.663	1.652	1.466	1.618	7.10
20) T	Methylene Chlo...	0.766	0.758	0.683	0.617	0.665	0.596	0.681	10.29
21) T	trans-1,2-Dich...	0.707	0.771	0.703	0.710	0.692	0.636	0.703	6.17
22) T	Diisopropyl ether	2.216	2.452	2.235	2.286	2.216	1.971	2.229	6.95
23) T	Vinyl Acetate	1.175	1.418	1.245	1.314	1.295	1.129	1.263	8.20
24) P	1,1-Dichloroet...	1.333	1.401	1.307	1.323	1.300	1.173	1.306	5.70
25) T	2-Butanone	0.228	0.245	0.191	0.197	0.195	0.166	0.204	13.90
26) T	2,2-Dichloropr...	1.451	1.366	1.219	1.184	1.146	1.041	1.235	12.13
27) T	cis-1,2-Dichlo...	0.827	0.875	0.815	0.817	0.797	0.724	0.809	6.09
28) T	Bromochloromet...	0.427	0.436	0.353	0.495	0.501	0.432	0.441	12.27
29) T	Tetrahydrofuran	0.116	0.154	0.126	0.133	0.132	0.110	0.128	11.76
30) C	Chloroform	2.069	1.768	1.465	1.378	1.302	1.186	1.528	21.59#
31) T	Cyclohexane	1.443	1.388	1.247	1.198	1.160	1.056	1.249	11.59
32) T	1,1,1-Trichlor...	1.219	1.298	1.215	1.198	1.183	1.086	1.200	5.72
33) S	1,2-Dichloroet...	0.636	0.619	0.487	0.569	0.507	0.467	0.548	12.97
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.404	0.385	0.328	0.360	0.325	0.313	0.352	10.37
36) T	1,1-Dichloropr...	0.688	0.691	0.637	0.637	0.622	0.581	0.643	6.46
37) T	Ethyl Acetate	0.296	0.379	0.290	0.298	0.296	0.255	0.302	13.52
38) T	Carbon Tetrach...	0.730	0.768	0.715	0.701	0.697	0.656	0.711	5.21
39) T	Methylcyclohexane	0.883	0.883	0.848	0.832	0.812	0.766	0.837	5.33
40) TM	Benzene	1.927	2.055	1.900	1.859	1.847	1.713	1.883	5.95
41) T	Methacrylonitrile	0.147	0.186	0.146	0.154	0.183	0.143	0.160	12.38
42) TM	1,2-Dichloroet...	0.502	0.546	0.499	0.500	0.498	0.452	0.500	5.98
43) T	Isopropyl Acetate	0.519	0.671	0.554	0.582	0.589	0.518	0.572	9.93
44) TM	Trichloroethene	0.481	0.501	0.462	0.458	0.453	0.422	0.463	5.82
45) C	1,2-Dichloropr...	0.442	0.473	0.450	0.434	0.440	0.401	0.440	5.30#
46) T	Dibromomethane	0.232	0.262	0.230	0.231	0.233	0.209	0.233	7.18
47) T	Bromodichlorom...	0.626	0.672	0.632	0.632	0.627	0.581	0.628	4.57
48) T	Methyl methacr...	0.254	0.305	0.259	0.276	0.286	0.252	0.272	7.69
49) T	1,4-Dioxane	0.002	0.003	0.002	0.003	0.003	0.002	0.003	10.37
50) S	Toluene-d8	1.445	1.314	1.127	1.271	1.143	1.100	1.233	10.88
51) T	4-Methyl-2-Pen...	0.297	0.364	0.290	0.299	0.301	0.261	0.302	11.09
52) CM	Toluene	1.176	1.247	1.185	1.167	1.165	1.082	1.170	4.52#
53) T	t-1,3-Dichloro...	0.534	0.638	0.572	0.602	0.611	0.556	0.586	6.55
54) T	cis-1,3-Dichlo...	0.661	0.742	0.694	0.706	0.714	0.646	0.694	5.08
55) T	1,1,2-Trichlor...	0.308	0.344	0.306	0.303	0.309	0.276	0.308	7.06

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56)	T	Ethyl methacry...	0.388	0.485	0.422	0.460	0.487	0.435	0.446	8.63
57)	T	1,3-Dichloropr...	0.534	0.609	0.544	0.555	0.554	0.495	0.548	6.71
58)	T	2-Chloroethyl ...	0.185	0.197	0.176	0.172	0.198	0.198	0.188	6.28
59)	T	2-Hexanone	0.180	0.225	0.183	0.199	0.202	0.175	0.194	9.55
60)	T	Dibromochlorom...	0.396	0.447	0.402	0.420	0.421	0.381	0.411	5.67
61)	T	1,2-Dibromoethane	0.277	0.319	0.281	0.288	0.290	0.261	0.286	6.70
62)	S	4-Bromofluorob...	0.585	0.538	0.448	0.480	0.433	0.412	0.482	13.88
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.533	0.505	0.464	0.452	0.446	0.422	0.470	8.71
65)	PM	Chlorobenzene	1.441	1.501	1.397	1.374	1.381	1.293	1.398	4.99
66)	T	1,1,1,2-Tetrac...	0.479	0.529	0.468	0.474	0.476	0.443	0.478	5.88
67)	C	Ethyl Benzene	2.633	2.747	2.583	2.556	2.543	2.414	2.579	4.24#
68)	T	m/p-Xylenes	0.984	1.031	0.951	0.953	0.942	0.892	0.959	4.82
69)	T	o-Xylene	0.894	0.956	0.892	0.898	0.887	0.842	0.895	4.07
70)	T	Styrene	1.478	1.586	1.496	1.502	1.501	1.406	1.495	3.85
71)	P	Bromoform	0.262	0.302	0.256	0.270	0.272	0.250	0.269	6.86
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	4.401	4.636	4.451	4.356	4.284	4.051	4.363	4.43
74)	T	N-amyl acetate	0.867	1.133	0.999	1.067	1.088	0.972	1.021	9.36
75)	P	1,1,2,2-Tetrac...	0.689	0.804	0.702	0.710	0.710	0.635	0.708	7.72
76)	T	1,2,3-Trichlor...	0.532	0.581	0.520	0.522	0.511	0.450	0.519	8.11
77)	T	Bromobenzene	0.974	1.007	0.953	0.947	0.944	0.877	0.950	4.50
78)	T	n-propylbenzene	5.307	5.566	5.397	5.283	5.151	4.837	5.257	4.71
79)	T	2-Chlorotoluene	3.020	3.114	3.012	2.940	2.932	2.727	2.958	4.42
80)	T	1,3,5-Trimethy...	3.616	3.701	3.622	3.560	3.473	3.270	3.540	4.30
81)	T	trans-1,4-Dich...	0.212	0.270	0.247	0.256	0.262	0.237	0.247	8.45
82)	T	4-Chlorotoluene	3.264	3.185	3.123	3.059	2.993	2.786	3.068	5.46
83)	T	tert-Butylbenzene	3.188	3.378	3.288	3.215	3.178	2.992	3.206	4.02
84)	T	1,2,4-Trimethy...	3.454	3.660	3.534	3.536	3.429	3.224	3.473	4.21
85)	T	sec-Butylbenzene	4.806	4.894	4.777	4.690	4.543	4.263	4.662	4.91
86)	T	p-Isopropyltol...	3.838	3.975	3.951	3.916	3.809	3.574	3.844	3.82
87)	T	1,3-Dichlorobe...	1.966	1.982	1.912	1.864	1.832	1.702	1.876	5.47
88)	T	1,4-Dichlorobe...	2.008	1.980	1.852	1.832	1.797	1.680	1.858	6.54
89)	T	n-Butylbenzene	3.625	3.755	3.736	3.749	3.599	3.393	3.643	3.82
90)	T	Hexachloroethane	0.774	0.794	0.764	0.764	0.753	0.720	0.762	3.23
91)	T	1,2-Dichlorobe...	1.694	1.735	1.614	1.606	1.602	1.501	1.626	5.01
92)	T	1,2-Dibromo-3-...	0.116	0.133	0.107	0.113	0.114	0.107	0.115	8.44
93)	T	1,2,4-Trichlor...	0.964	0.975	0.927	1.014	1.030	0.990	0.983	3.76
94)	T	Hexachlorobuta...	0.667	0.650	0.636	0.657	0.634	0.613	0.643	2.97
95)	T	Naphthalene	1.437	1.669	1.528	1.768	1.906	1.808	1.686	10.52
96)	T	1,2,3-Trichlor...	0.813	0.798	0.791	0.864	0.874	0.846	0.831	4.25

(#) = Out of Range

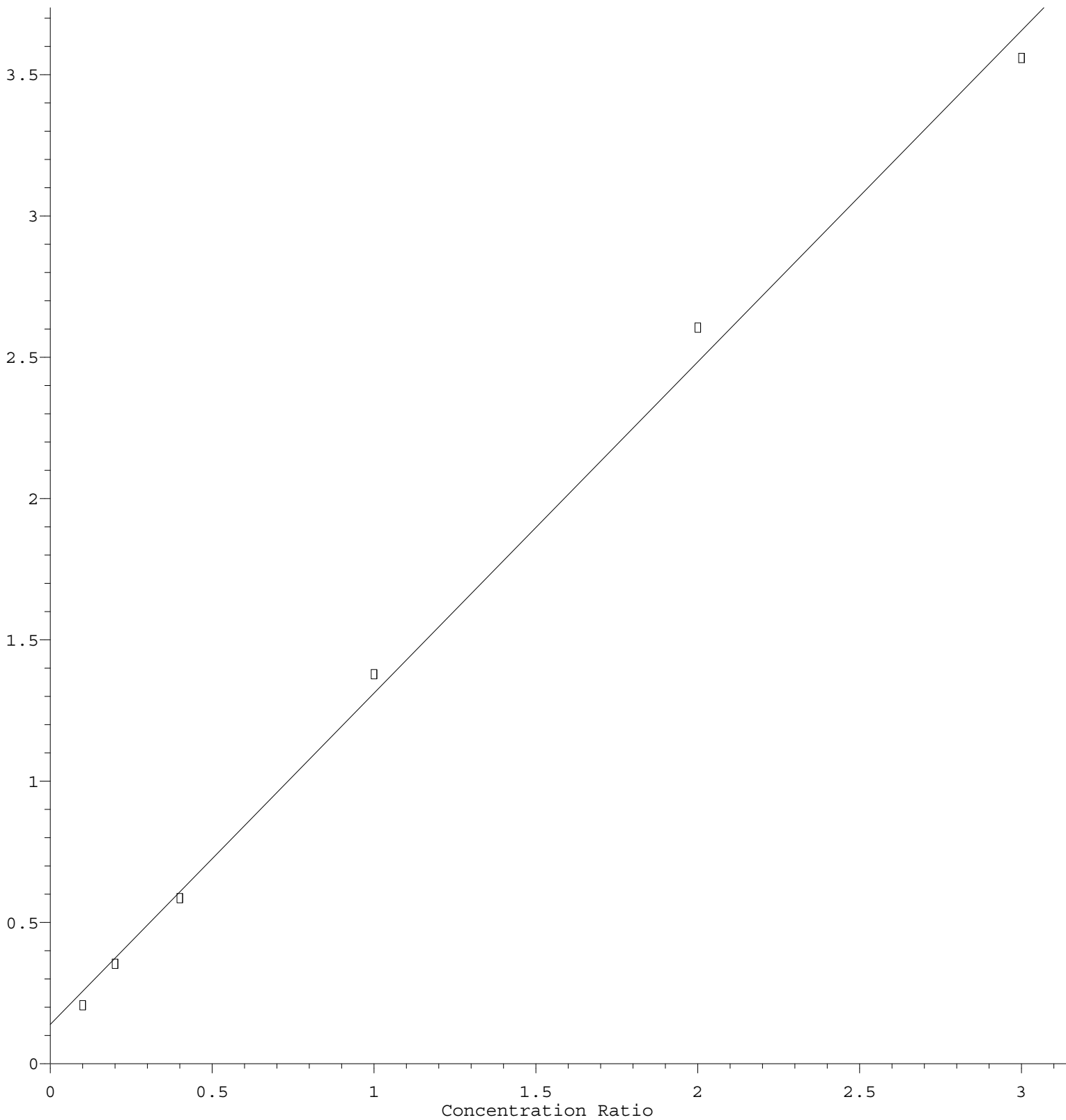
Tert butyl alcohol



$R = -7.535e-004 A^2 + 5.441e-002 A + 3.343e-002$
 Coef of Det (r^2) = 0.991509 Curve Fit: Quadratic
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Chloroform

Response Ratio



$$\text{Response} = 1.172\text{e}+000 * \text{Amt} + 1.389\text{e}-001$$

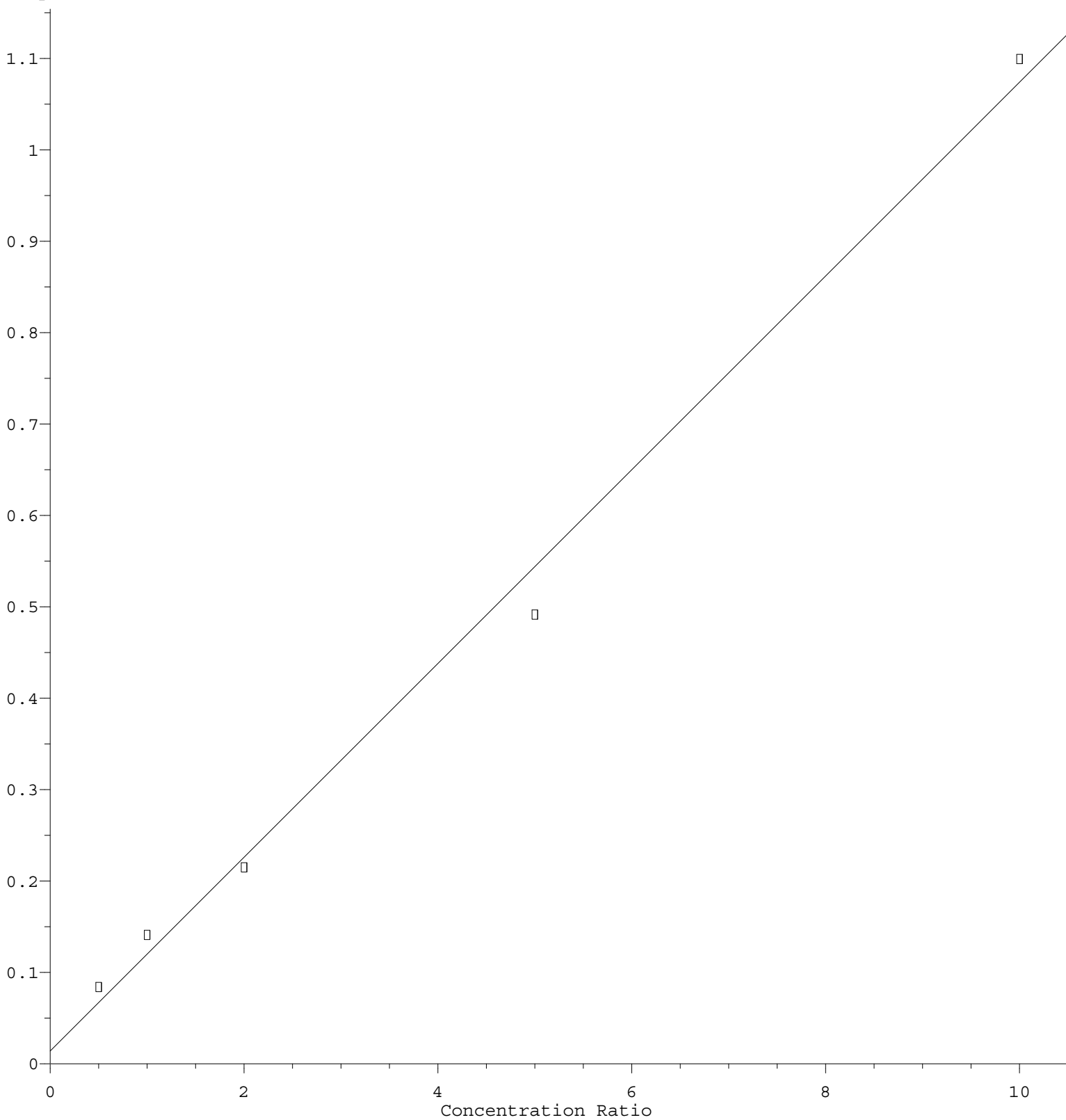
Coef of Det (r^2) = 0.996566 Curve Fit: Linear

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Acetone

Response Ratio



$$\text{Response} = 1.060\text{e-}001 * \text{Amt} + 1.400\text{e-}002$$

Coef of Det (r^2) = 0.993909 Curve Fit: Linear

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