

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y020723S.M
 Title : SW846 8260
 Last Update : Fri Feb 17 18:08:19 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY012509.D 10 =VY012510.D 20 =VY012511.D 50 =VY012512.D 100 =VY012513.D 150 =VY012514.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.487	0.475	0.441	0.341	0.334	0.340	0.403	17.94
3) P	Chloromethane	0.435	0.438	0.408	0.347	0.347	0.362	0.390	10.94
4) C	Vinyl Chloride	0.546	0.527	0.501	0.445	0.440	0.453	0.485	9.36#
5) T	Bromomethane	0.522	0.450	0.396	0.347	0.344	0.341	0.400	18.28
6) T	Chloroethane	0.370	0.355	0.356	0.310	0.312	0.324	0.338	7.62
7) T	Trichlorofluor...	1.146	1.047	1.003	0.934	0.924	0.931	0.998	8.77
8) T	Diethyl Ether	0.307	0.301	0.292	0.275	0.292	0.307	0.296	4.18
9) T	1,1,2-Trichlor...	0.547	0.527	0.504	0.486	0.474	0.484	0.504	5.62
10) T	Methyl Iodide	0.561	0.635	0.666	0.671	0.684	0.701	0.653	7.70
11) T	Tert butyl alc...	0.098	0.092	0.073	0.051	0.057	0.062	0.072	26.38
12) CM	1,1-Dichloroet...	0.540	0.523	0.502	0.468	0.472	0.482	0.498	5.82#
13) T	Acrolein	0.078	0.076	0.071	0.066	0.076	0.081	0.075	6.87
14) T	Allyl chloride	0.628	0.605	0.596	0.581	0.602	0.629	0.607	3.07
15) T	Acrylonitrile	0.136	0.135	0.132	0.125	0.140	0.150	0.136	6.10
16) T	Acetone	0.132	0.147	0.140	0.149	0.169	0.182	0.153	12.32
17) T	Carbon Disulfide	1.456	1.410	1.368	1.165	1.157	1.189	1.291	10.49
18) T	Methyl Acetate	0.442	0.358	0.343	0.314	0.361	0.389	0.368	11.89
19) T	Methyl tert-bu...	1.455	1.447	1.390	1.392	1.496	1.558	1.457	4.40
20) T	Methylene Chlo...	0.960	0.791	0.661	0.569	0.540	0.543	0.677	24.86
21) T	trans-1,2-Dich...	0.582	0.570	0.550	0.516	0.519	0.521	0.543	5.27
22) T	Diisopropyl ether	1.196	1.266	1.248	1.218	1.209	1.268	1.234	2.48
23) T	Vinyl Acetate	0.658	0.740	0.735	0.728	0.774	0.827	0.744	7.50
24) P	1,1-Dichloroet...	0.931	0.925	0.874	0.846	0.851	0.867	0.882	4.17
25) T	2-Butanone	0.160	0.167	0.159	0.155	0.179	0.198	0.170	9.66
26) T	2,2-Dichloropr...	1.060	1.010	0.942	0.928	0.929	0.947	0.969	5.54
27) T	cis-1,2-Dichlo...	0.664	0.641	0.619	0.611	0.614	0.631	0.630	3.21
28) T	Bromochloromet...	0.249	0.339	0.321	0.328	0.342	0.345	0.321	11.35
29) T	Tetrahydrofuran	0.089	0.091	0.087	0.084	0.095	0.105	0.092	8.12
30) C	Chloroform	1.169	1.116	1.034	1.022	1.016	1.025	1.064	5.97#
31) T	Cyclohexane	0.864	0.802	0.735	0.676	0.652	0.681	0.735	11.30
32) T	1,1,1-Trichlor...	1.114	1.057	1.017	1.007	0.996	1.002	1.032	4.41
33) S	1,2-Dichloroet...	0.679	0.649	0.598	0.617	0.641	0.631	0.636	4.35
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.360	0.361	0.352	0.377	0.371	0.363	0.364	2.40
36) T	1,1-Dichloropr...	0.525	0.515	0.496	0.484	0.462	0.475	0.493	4.92
37) T	Ethyl Acetate	0.226	0.229	0.210	0.206	0.220	0.243	0.222	6.17
38) T	Carbon Tetrach...	0.724	0.684	0.659	0.648	0.619	0.636	0.662	5.71
39) T	Methylcyclohexane	0.624	0.594	0.605	0.588	0.559	0.588	0.593	3.63
40) TM	Benzene	1.505	1.512	1.468	1.426	1.390	1.433	1.456	3.29
41) T	Methacrylonitrile	0.109	0.109	0.110	0.130	0.142	0.131	0.122	11.94
42) TM	1,2-Dichloroet...	0.491	0.483	0.472	0.457	0.457	0.469	0.472	2.92
43) T	Isopropyl Acetate	0.390	0.392	0.401	0.393	0.428	0.470	0.412	7.69
44) TM	Trichloroethene	0.478	0.456	0.444	0.432	0.420	0.429	0.443	4.82
45) C	1,2-Dichloropr...	0.325	0.324	0.310	0.315	0.303	0.317	0.316	2.64#
46) T	Dibromomethane	0.220	0.214	0.207	0.200	0.204	0.209	0.209	3.41
47) T	Bromodichlorom...	0.561	0.556	0.525	0.538	0.529	0.542	0.542	2.62
48) T	Methyl methacr...	0.187	0.180	0.177	0.179	0.194	0.214	0.188	7.36
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	8.80
50) S	Toluene-d8	1.485	1.544	1.447	1.571	1.529	1.519	1.516	2.92
51) T	4-Methyl-2-Pen...	0.200	0.216	0.213	0.211	0.237	0.257	0.222	9.32
52) CM	Toluene	1.017	1.032	0.986	0.978	0.941	0.969	0.987	3.31#
53) T	t-1,3-Dichloro...	0.534	0.552	0.530	0.545	0.547	0.568	0.546	2.50
54) T	cis-1,3-Dichlo...	0.597	0.603	0.580	0.588	0.577	0.601	0.591	1.87
55) T	1,1,2-Trichlor...	0.316	0.312	0.298	0.297	0.298	0.311	0.305	2.78
56) T	Ethyl methacry...	0.341	0.371	0.374	0.377	0.407	0.432	0.384	8.25

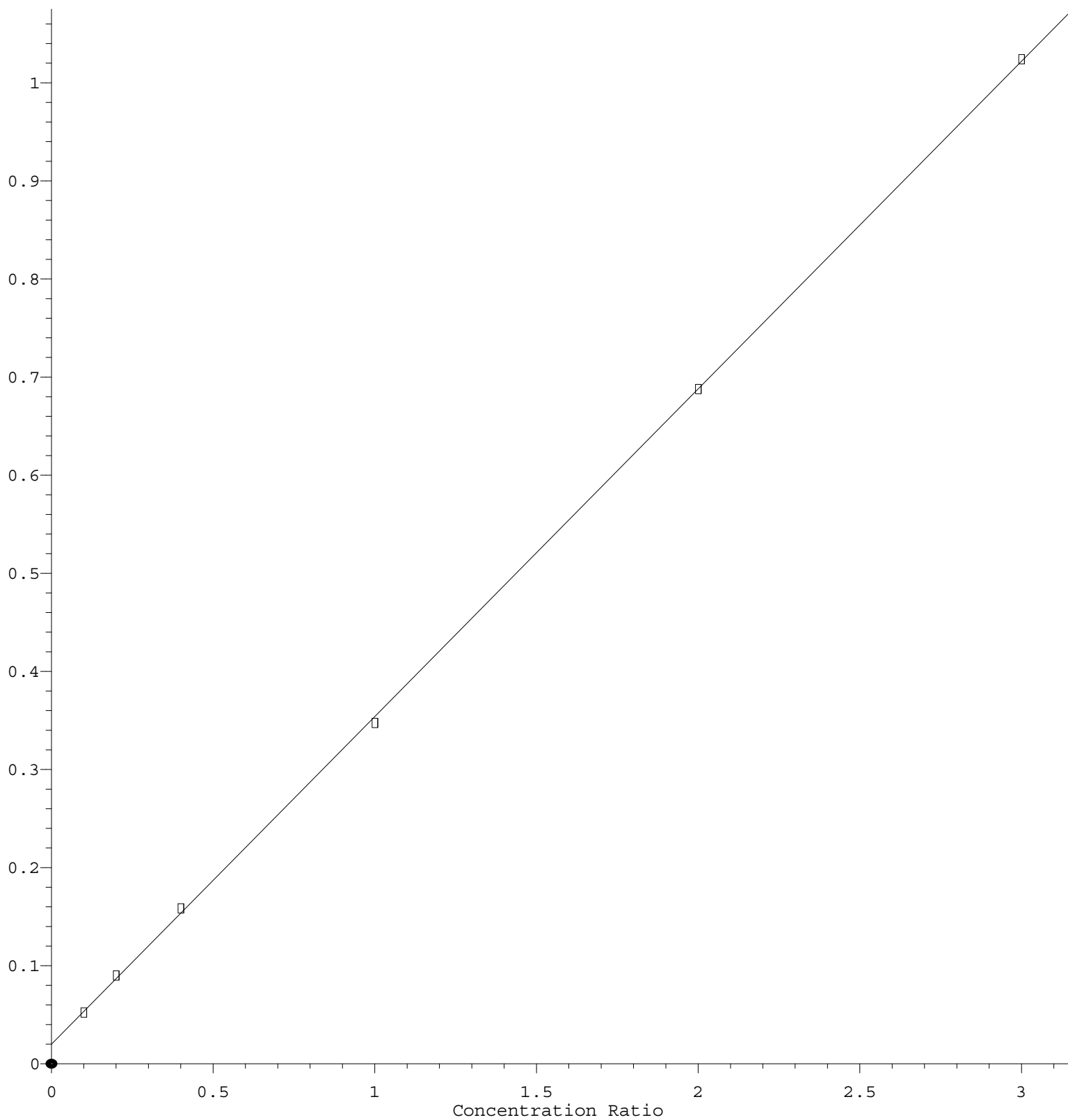
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57)	T	1,3-Dichloropr...	0.499	0.508	0.484	0.480	0.483	0.502	0.493	2.42
58)	T	2-Chloroethyl ...	0.129	0.178	0.180	0.169	0.185	0.192	0.172	13.00
59)	T	2-Hexanone	0.141	0.161	0.161	0.162	0.182	0.201	0.168	12.44
60)	T	Dibromochlorom...	0.415	0.412	0.397	0.404	0.400	0.414	0.407	1.85
61)	T	1,2-Dibromoethane	0.286	0.293	0.282	0.277	0.284	0.295	0.286	2.33
62)	S	4-Bromofluorob...	0.624	0.500	0.499	0.516	0.521	0.511	0.529	8.98
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.533	0.535	0.540	0.531	0.503	0.491	0.522	3.86
65)	PM	Chlorobenzene	1.305	1.194	1.162	1.152	1.146	1.156	1.186	5.11
66)	T	1,1,1,2-Tetrac...	0.499	0.475	0.450	0.453	0.454	0.458	0.465	4.04
67)	C	Ethyl Benzene	2.134	2.094	2.079	2.061	2.045	2.079	2.082	1.47#
68)	T	m/p-Xylenes	0.854	0.837	0.835	0.825	0.811	0.824	0.831	1.78
69)	T	o-Xylene	0.806	0.797	0.779	0.797	0.778	0.792	0.791	1.40
70)	T	Styrene	1.334	1.360	1.339	1.337	1.332	1.351	1.342	0.82
71)	P	Bromoform	0.297	0.298	0.289	0.283	0.295	0.301	0.294	2.24
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.105	4.064	3.957	4.111	3.970	4.064	4.045	1.64
74)	T	N-amyl acetate	0.652	0.687	0.683	0.712	0.789	0.870	0.732	11.18
75)	P	1,1,2,2-Tetrac...	0.684	0.669	0.626	0.610	0.642	0.693	0.654	5.09
76)	T	1,2,3-Trichlor...	0.607	0.576	0.517	0.518	0.537	0.597	0.559	7.15
77)	T	Bromobenzene	1.049	0.995	0.958	0.960	0.945	0.976	0.980	3.83
78)	T	n-propylbenzene	4.720	4.692	4.586	4.716	4.575	4.647	4.656	1.38
79)	T	2-Chlorotoluene	2.699	2.650	2.615	2.638	2.594	2.662	2.643	1.39
80)	T	1,3,5-Trimethy...	3.512	3.548	3.450	3.529	3.405	3.451	3.482	1.59
81)	T	trans-1,4-Dich...	0.238	0.245	0.237	0.238	0.254	0.275	0.248	5.97
82)	T	4-Chlorotoluene	2.831	2.806	2.747	2.779	2.711	2.763	2.773	1.53
83)	T	tert-Butylbenzene	3.170	3.026	2.957	3.078	2.971	3.118	3.054	2.75
84)	T	1,2,4-Trimethy...	3.418	3.445	3.397	3.514	3.363	3.422	3.426	1.49
85)	T	sec-Butylbenzene	4.485	4.367	4.310	4.448	4.262	4.341	4.369	1.92
86)	T	p-Isopropyltol...	3.800	3.755	3.767	3.881	3.751	3.785	3.790	1.28
87)	T	1,3-Dichlorobe...	2.055	2.014	1.906	1.932	1.878	1.920	1.951	3.51
88)	T	1,4-Dichlorobe...	2.149	1.985	1.891	1.924	1.864	1.911	1.954	5.31
89)	T	n-Butylbenzene	3.191	3.201	3.206	3.344	3.216	3.276	3.239	1.84
90)	T	Hexachloroethane	0.764	0.711	0.662	0.695	0.659	0.684	0.696	5.54
91)	T	1,2-Dichlorobe...	1.895	1.806	1.697	1.716	1.673	1.742	1.755	4.70
92)	T	1,2-Dibromo-3-...	0.133	0.125	0.124	0.118	0.135	0.146	0.130	7.49
93)	T	1,2,4-Trichlor...	1.054	1.067	1.040	1.081	1.109	1.173	1.087	4.43
94)	T	Hexachlorobuta...	0.753	0.680	0.660	0.667	0.637	0.655	0.676	6.00
95)	T	Naphthalene	1.824	1.901	1.931	2.065	2.288	2.516	2.087	12.73
96)	T	1,2,3-Trichlor...	0.939	0.909	0.890	0.923	0.963	1.024	0.941	5.05

(#) = Out of Range

Bromomethane

Response Ratio



$$\text{Response} = 3.339\text{e-}001 * \text{Amt} + 2.045\text{e-}002$$

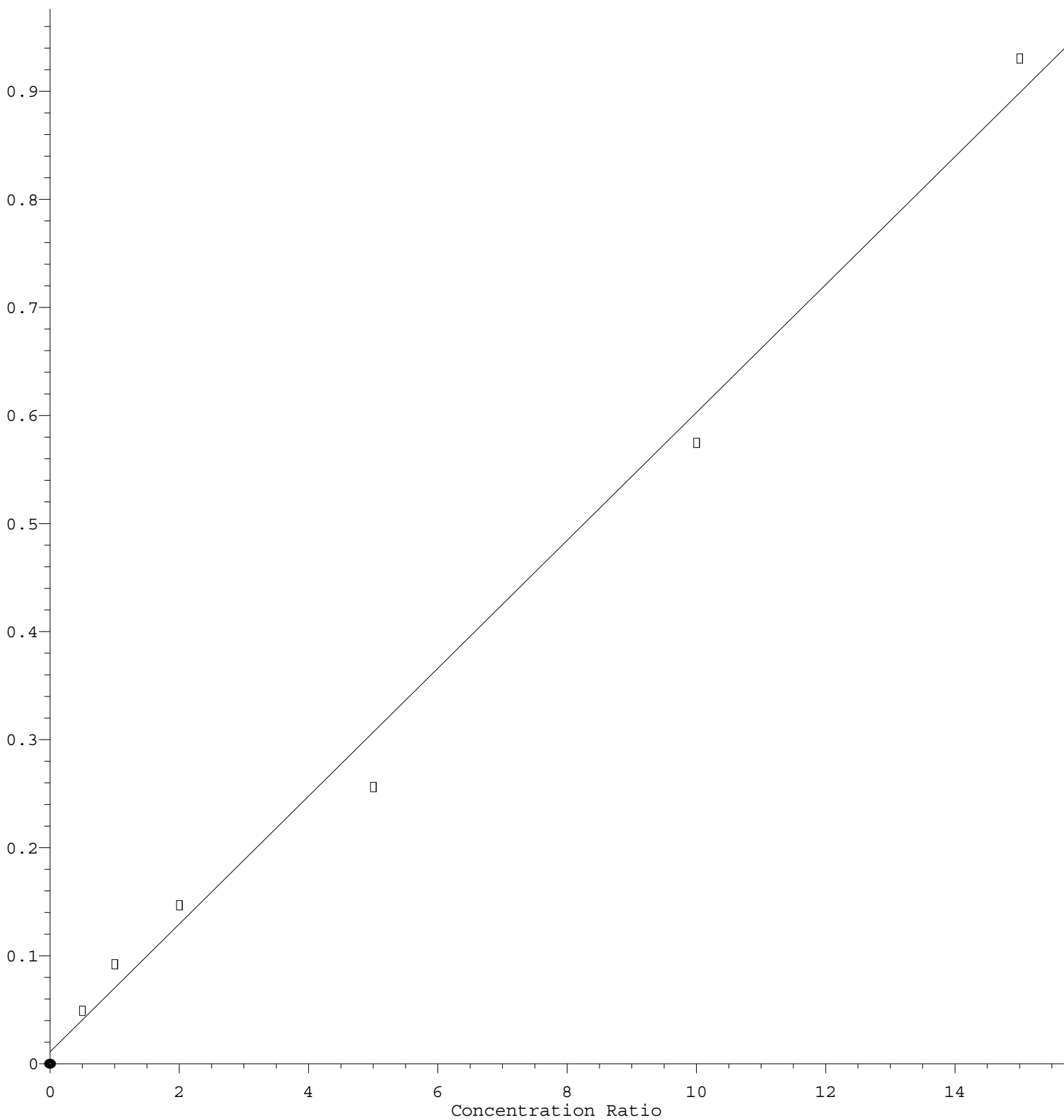
Coef of Det (r^2) = 0.999892 Curve Fit: Linear

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Tert butyl alcohol

Response Ratio



$$\text{Response} = 5.916\text{e-}002 * \text{Amt} + 1.113\text{e-}002$$

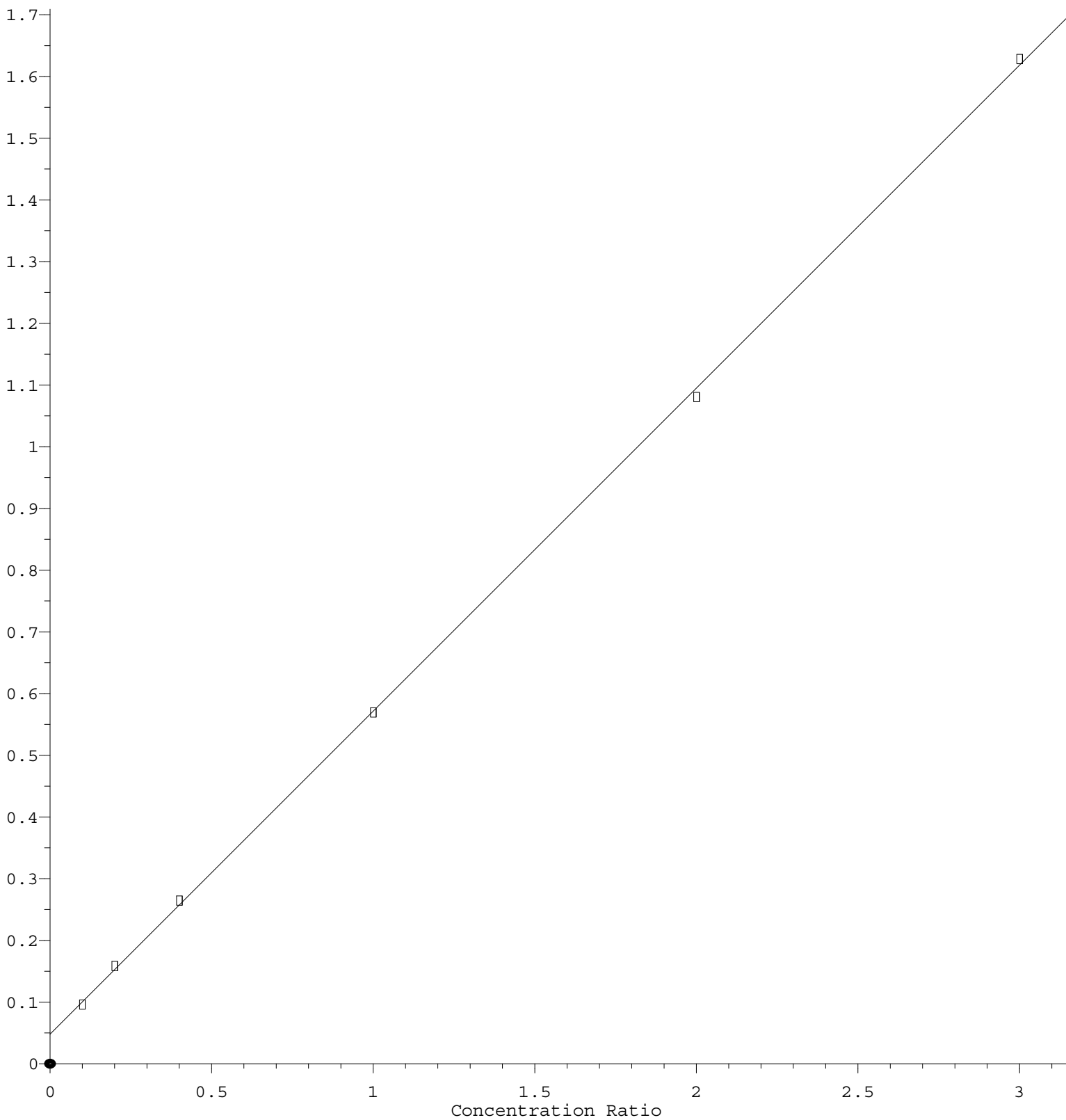
Coef of Det (r^2) = 0.991200 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 5.235\text{e-}001 * \text{Amt} + 4.821\text{e-}002$$

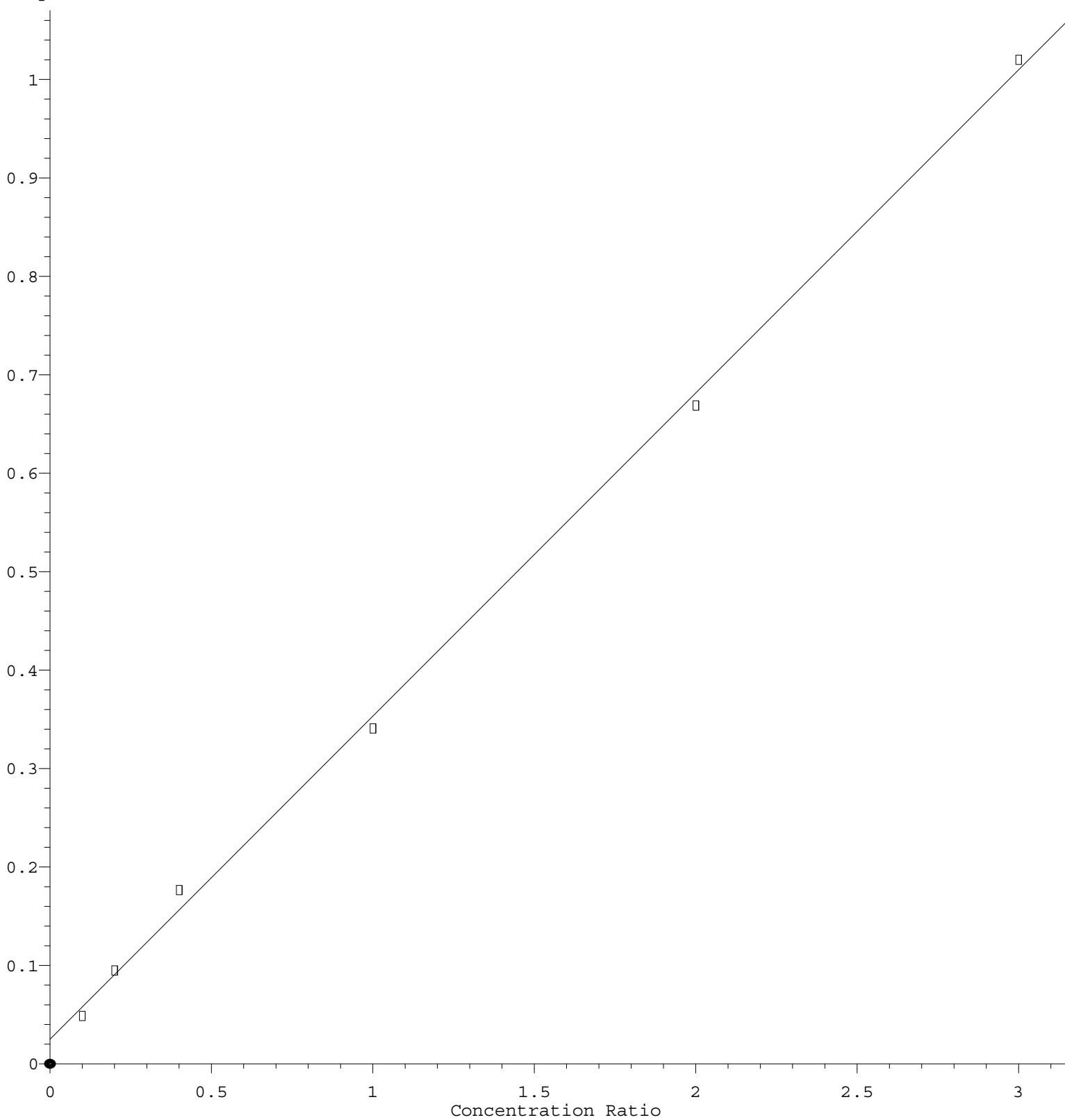
Coef of Det (r^2) = 0.999778 Curve Fit: Linear

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Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 3.283\text{e-}001 * \text{Amt} + 2.496\text{e-}002$$

Coef of Det (r^2) = 0.998714 Curve Fit: Linear

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