

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y011623S.M
 Title : SW846 8260
 Last Update : Tue Jan 17 04:31:47 2023
 Response Via : Continuing Calibration

Calibration Files

5 =VY012194.D 10 =VY012195.D 20 =VY012196.D 50 =VY012197.D 100 =VY012198.D 150 =VY012199.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.456	0.520	0.486	0.372	0.410	0.378	0.437	13.76
3) P	Chloromethane	0.452	0.440	0.400	0.368	0.389	0.372	0.403	8.70
4) C	Vinyl Chloride	0.503	0.508	0.479	0.435	0.464	0.436	0.471	6.76#
5) T	Bromomethane	0.428	0.398	0.355	0.334	0.352	0.317	0.364	11.36
6) T	Chloroethane	0.324	0.324	0.310	0.287	0.310	0.288	0.307	5.29
7) T	Trichlorofluor...	0.951	0.994	0.945	0.842	0.929	0.853	0.919	6.50
8) T	Diethyl Ether	0.274	0.303	0.267	0.260	0.274	0.264	0.273	5.61
9) T	1,1,2-Trichlor...	0.454	0.481	0.455	0.407	0.457	0.430	0.447	5.70
10) T	Methyl Iodide	0.644	0.678	0.682	0.684	0.725	0.666	0.680	3.92
11) T	Tert butyl alc...	0.069	0.078	0.051	0.046	0.047	0.048	0.057	23.99
12) CM	1,1-Dichloroet...	0.470	0.477	0.459	0.438	0.469	0.443	0.459	3.42#
13) T	Acrolein	0.030	0.033	0.028	0.016	0.017	0.017	0.023	32.27
14) T	Allyl chloride	0.567	0.579	0.544	0.544	0.595	0.578	0.568	3.60
15) T	Acrylonitrile	0.108	0.134	0.115	0.117	0.119	0.123	0.119	7.44
16) T	Acetone	0.111	0.149	0.123	0.154	0.149	0.150	0.139	12.86
17) T	Carbon Disulfide	1.466	1.490	1.413	1.343	1.443	1.367	1.420	4.03
18) T	Methyl Acetate	0.308	0.340	0.287	0.301	0.308	0.326	0.312	5.98
19) T	Methyl tert-bu...	1.159	1.395	1.250	1.280	1.324	1.273	1.280	6.13
20) T	Methylene Chlo...	1.174	1.020	0.736	0.570	0.559	0.513	0.762	36.05
21) T	trans-1,2-Dich...	0.519	0.543	0.512	0.495	0.519	0.487	0.512	3.90
22) T	Diisopropyl ether	1.121	1.184	1.109	1.098	1.166	1.115	1.132	3.05
23) T	Vinyl Acetate	0.617	0.755	0.693	0.704	0.732	0.731	0.705	6.90
24) P	1,1-Dichloroet...	0.804	0.812	0.772	0.760	0.805	0.759	0.785	3.10
25) T	2-Butanone	0.125	0.175	0.143	0.157	0.156	0.166	0.154	11.49
26) T	2,2-Dichloropr...	0.871	0.909	0.840	0.812	0.875	0.808	0.852	4.62
27) T	cis-1,2-Dichlo...	0.571	0.583	0.555	0.548	0.582	0.538	0.563	3.33
28) T	Bromochloromet...	0.214	0.177	0.160	0.159	0.160	0.158	0.171	12.81
29) T	Tetrahydrofuran	0.069	0.095	0.080	0.085	0.085	0.092	0.084	11.05
30) C	Chloroform	0.940	0.997	0.912	0.900	0.952	0.860	0.927	5.08#
31) T	Cyclohexane	0.845	0.795	0.707	0.633	0.713	0.681	0.729	10.64
32) T	1,1,1-Trichlor...	0.932	0.969	0.901	0.885	0.950	0.868	0.918	4.30
33) S	1,2-Dichloroet...	0.533	0.551	0.498	0.409	0.409	0.388	0.465	15.35
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.292	0.291	0.289	0.241	0.242	0.233	0.265	10.77
36) T	1,1-Dichloropr...	0.467	0.478	0.452	0.426	0.447	0.431	0.450	4.48
37) T	Ethyl Acetate	0.173	0.223	0.200	0.196	0.191	0.206	0.198	8.28
38) T	Carbon Tetrach...	0.600	0.615	0.594	0.552	0.583	0.543	0.581	4.88
39) T	Methylcyclohexane	0.549	0.566	0.556	0.514	0.564	0.550	0.550	3.41
40) TM	Benzene	1.354	1.375	1.297	1.237	1.289	1.239	1.299	4.41
41) T	Methacrylonitrile	0.121	0.127	0.113	0.120	0.106	0.112	0.117	6.44
42) TM	1,2-Dichloroet...	0.404	0.453	0.413	0.408	0.414	0.389	0.413	5.23
43) T	Isopropyl Acetate	0.318	0.405	0.361	0.369	0.371	0.391	0.369	8.08
44) TM	Trichloroethene	0.404	0.405	0.395	0.372	0.387	0.366	0.388	4.19
45) C	1,2-Dichloropr...	0.267	0.288	0.268	0.261	0.277	0.266	0.271	3.60#
46) T	Dibromomethane	0.175	0.197	0.182	0.179	0.181	0.175	0.181	4.42
47) T	Bromodichlorom...	0.437	0.488	0.460	0.446	0.468	0.440	0.457	4.24
48) T	Methyl methacr...	0.140	0.182	0.161	0.176	0.173	0.188	0.170	10.02
49) T	1,4-Dioxane	0.002	0.003	0.002	0.003	0.002	0.003	0.002	8.65
50) S	Toluene-d8	1.242	1.188	1.195	0.890	0.892	0.859	1.044	17.33
51) T	4-Methyl-2-Pen...	0.165	0.218	0.193	0.199	0.195	0.211	0.197	9.33
52) CM	Toluene	0.875	0.896	0.872	0.840	0.877	0.828	0.865	2.95#
53) T	t-1,3-Dichloro...	0.454	0.501	0.478	0.475	0.488	0.470	0.478	3.33
54) T	cis-1,3-Dichlo...	0.492	0.547	0.514	0.508	0.525	0.500	0.514	3.84
55) T	1,1,2-Trichlor...	0.252	0.286	0.255	0.254	0.253	0.246	0.258	5.52
56) T	Ethyl methacry...	0.291	0.358	0.333	0.346	0.349	0.352	0.338	7.24

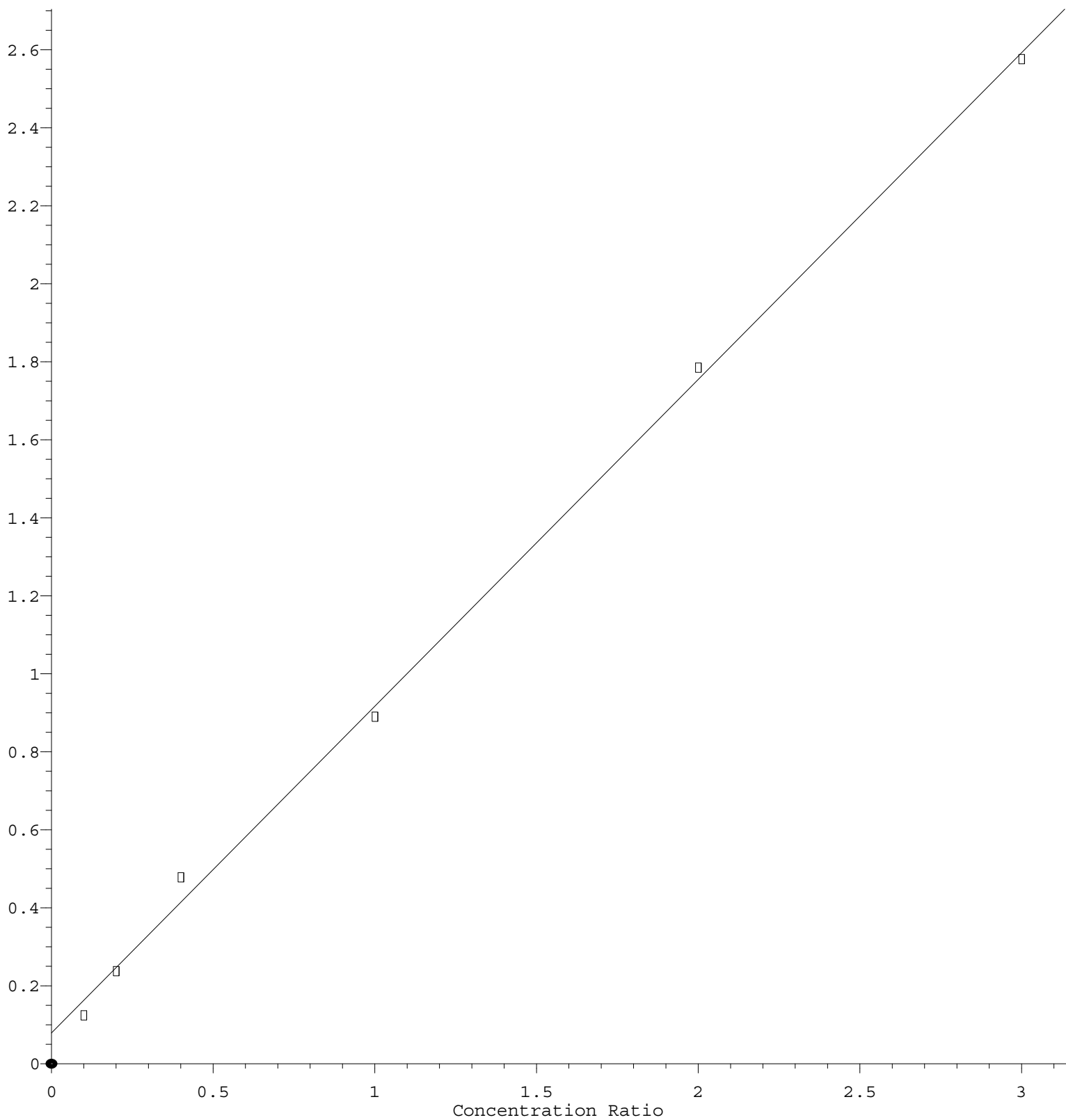
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57)	T	1,3-Dichloropr...	0.407	0.450	0.422	0.415	0.423	0.408	0.421	3.76
58)	T	2-Chloroethyl ...	0.110	0.122	0.112	0.108	0.107	0.112	0.112	4.60
59)	T	2-Hexanone	0.115	0.166	0.145	0.158	0.153	0.163	0.150	12.46
60)	T	Dibromochlorom...	0.321	0.369	0.345	0.343	0.344	0.328	0.342	4.83
61)	T	1,2-Dibromoethane	0.233	0.273	0.247	0.247	0.250	0.243	0.249	5.42
62)	S	4-Bromofluorob...	0.425	0.419	0.403	0.333	0.336	0.323	0.373	12.69
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.461	0.494	0.468	0.451	0.447	0.417	0.456	5.62
65)	PM	Chlorobenzene	1.097	1.064	1.013	0.990	1.013	0.961	1.023	4.85
66)	T	1,1,1,2-Tetrac...	0.385	0.408	0.386	0.385	0.387	0.366	0.386	3.48
67)	C	Ethyl Benzene	1.877	1.892	1.821	1.791	1.838	1.752	1.828	2.86#
68)	T	m/p-Xylenes	0.732	0.752	0.730	0.711	0.726	0.687	0.723	3.06
69)	T	o-Xylene	0.706	0.715	0.695	0.680	0.692	0.654	0.690	3.11
70)	T	Styrene	1.140	1.203	1.157	1.149	1.167	1.106	1.154	2.75
71)	P	Bromoform	0.227	0.272	0.250	0.249	0.242	0.240	0.247	5.98
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.672	3.672	3.604	3.501	3.715	3.469	3.605	2.78
74)	T	N-amyl acetate	0.623	0.723	0.679	0.715	0.733	0.767	0.707	7.06
75)	P	1,1,2,2-Tetrac...	0.544	0.622	0.546	0.563	0.561	0.572	0.568	5.04
76)	T	1,2,3-Trichlor...	0.431	0.480	0.512	0.506	0.407	0.422	0.460	9.84
77)	T	Bromobenzene	0.915	0.905	0.848	0.852	0.868	0.817	0.868	4.27
78)	T	n-propylbenzene	4.376	4.340	4.225	4.025	4.313	4.034	4.219	3.67
79)	T	2-Chlorotoluene	2.464	2.470	2.365	2.302	2.432	2.281	2.385	3.45
80)	T	1,3,5-Trimethy...	3.234	3.280	3.154	3.016	3.184	2.937	3.134	4.20
81)	T	trans-1,4-Dich...	0.199	0.240	0.215	0.226	0.228	0.231	0.223	6.49
82)	T	4-Chlorotoluene	2.668	2.582	2.486	2.396	2.539	2.363	2.506	4.58
83)	T	tert-Butylbenzene	2.795	2.812	2.788	2.576	2.822	2.599	2.732	4.13
84)	T	1,2,4-Trimethy...	3.086	3.216	3.127	3.023	3.173	2.921	3.091	3.46
85)	T	sec-Butylbenzene	4.118	3.978	3.912	3.704	3.952	3.672	3.889	4.39
86)	T	p-Isopropyltol...	3.530	3.526	3.446	3.241	3.457	3.188	3.398	4.33
87)	T	1,3-Dichlorobe...	1.837	1.799	1.736	1.665	1.725	1.591	1.725	5.16
88)	T	1,4-Dichlorobe...	1.888	1.818	1.695	1.642	1.705	1.577	1.721	6.64
89)	T	n-Butylbenzene	3.091	3.013	2.958	2.800	2.993	2.813	2.945	3.93
90)	T	Hexachloroethane	0.666	0.635	0.623	0.580	0.607	0.569	0.613	5.89
91)	T	1,2-Dichlorobe...	1.660	1.639	1.521	1.485	1.511	1.422	1.540	5.98
92)	T	1,2-Dibromo-3-...	0.103	0.133	0.116	0.116	0.115	0.121	0.117	8.27
93)	T	1,2,4-Trichlor...	1.049	0.995	0.986	0.932	0.977	0.980	0.987	3.79
94)	T	Hexachlorobuta...	0.663	0.617	0.612	0.546	0.572	0.554	0.594	7.52
95)	T	Naphthalene	1.826	1.918	1.918	1.932	1.976	2.113	1.947	4.87
96)	T	1,2,3-Trichlor...	0.870	0.862	0.864	0.798	0.837	0.862	0.849	3.25

(#) = Out of Range

Toluene-d8

Response Ratio



$$\text{Response} = 8.378\text{e-}001 * \text{Amt} + 7.946\text{e-}002$$

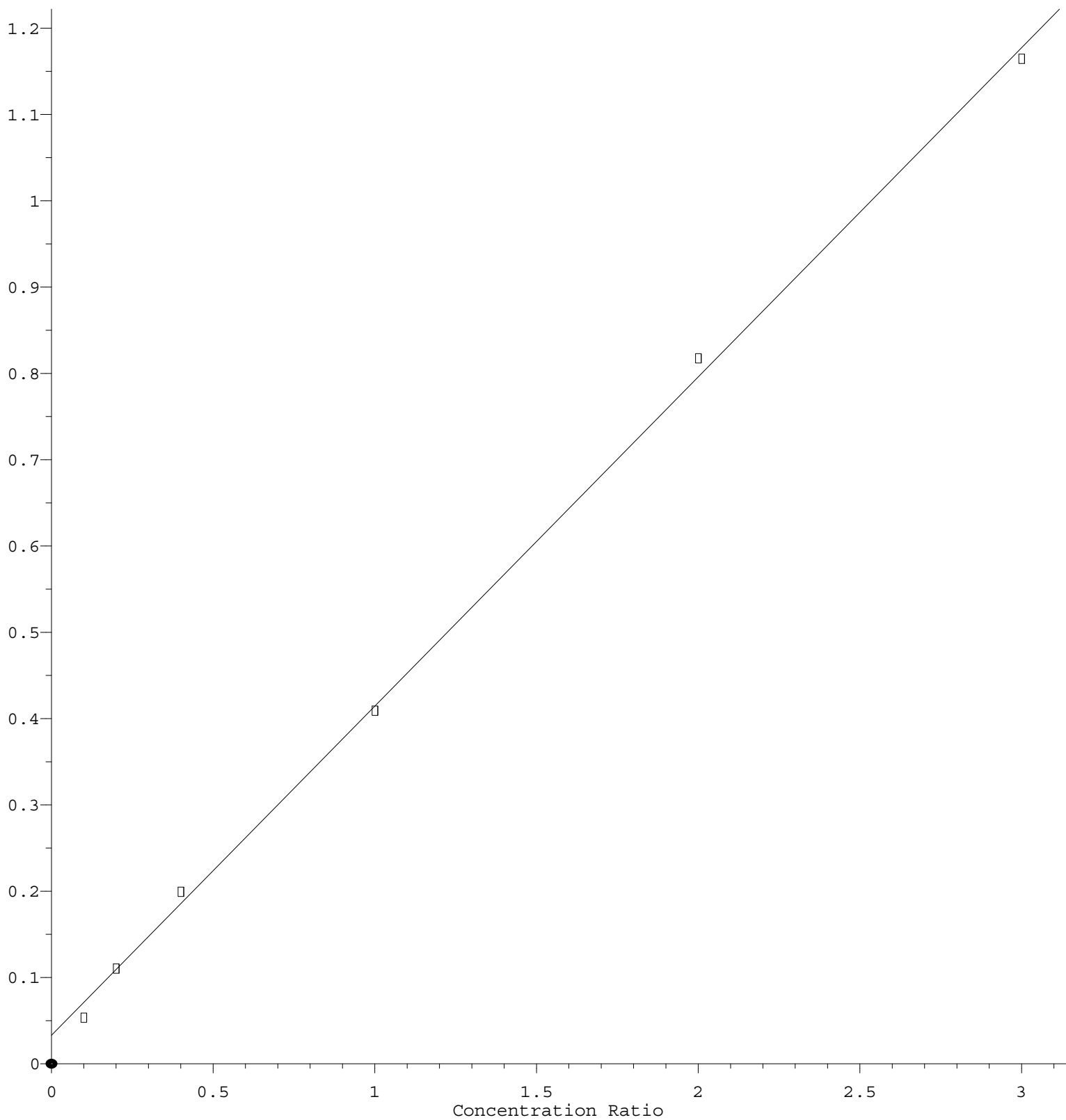
Coef of Det (r^2) = 0.998402 Curve Fit: Linear

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1,2-Dichloroethane-d4

Response Ratio



$$\text{Response} = 3.819\text{e-}001 * \text{Amt} + 3.259\text{e-}002$$

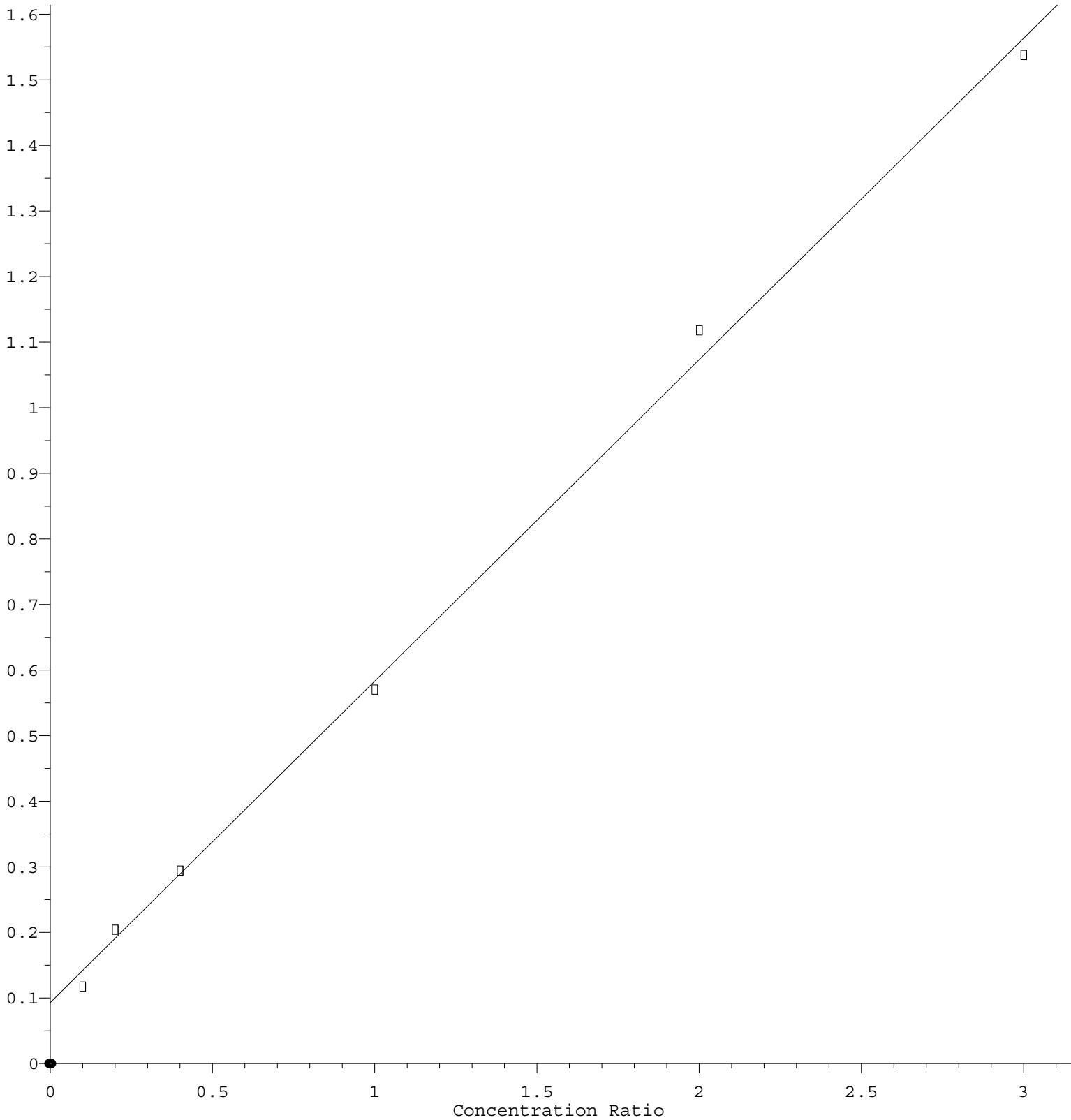
Coef of Det (r^2) = 0.998815 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 4.905\text{e-}001 * \text{Amt} + 9.259\text{e-}002$$

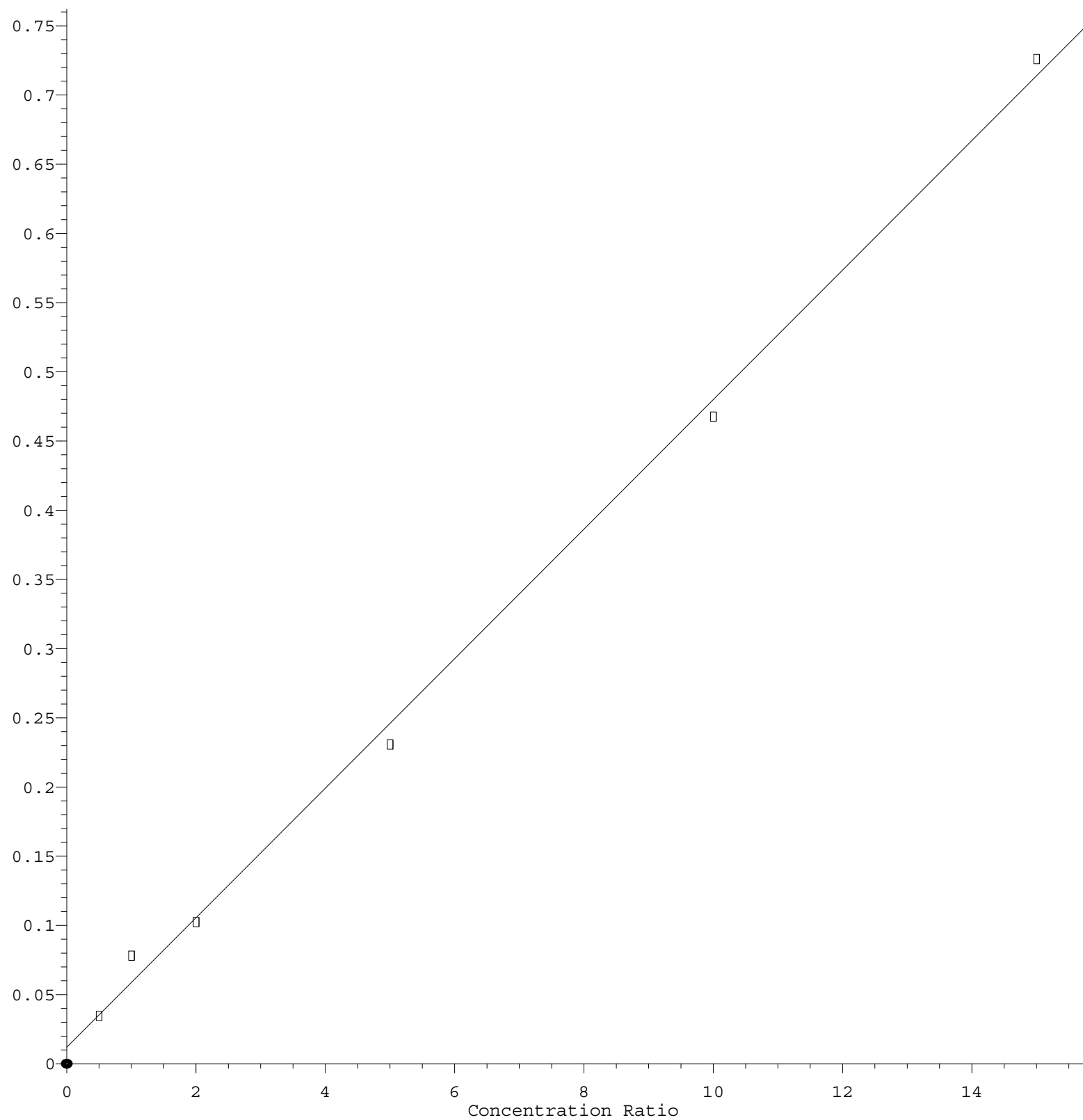
Coef of Det (r^2) = 0.997759 Curve Fit: Linear

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Tert butyl alcohol

Response Ratio



$$\text{Response} = 4.676\text{e-}002 * \text{Amt} + 1.211\text{e-}002$$

Coef of Det (r^2) = 0.997521 Curve Fit: Linear

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