

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y090222S.M
 Title : SW846 8260
 Last Update : Fri Sep 02 16:41:46 2022
 Response Via : Initial Calibration

Calibration Files

5 =VY010269.D 10 =VY010270.D 20 =VY010271.D 50 =VY010272.D 100 =VY010273.D 150 =VY010274.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.427	0.456	0.459	0.357	0.349	0.347	0.399	13.58
3) P	Chloromethane	0.602	0.609	0.601	0.504	0.484	0.471	0.545	11.97
4) C	Vinyl Chloride	0.623	0.640	0.641	0.576	0.544	0.539	0.594	7.90#
5) T	Bromomethane	0.458	0.436	0.381	0.358	0.326	0.303	0.377	16.10
6) T	Chloroethane	0.388	0.390	0.382	0.357	0.337	0.325	0.363	7.65
7) T	Trichlorofluor...	0.855	0.870	0.879	0.815	0.785	0.789	0.832	4.95
8) T	Diethyl Ether	0.299	0.312	0.309	0.287	0.292	0.286	0.297	3.77
9) T	1,1,2-Trichlor...	0.535	0.547	0.533	0.499	0.484	0.487	0.514	5.30
10) T	Methyl Iodide	0.537	0.594	0.644	0.650	0.645	0.641	0.618	7.27
11) T	Tert butyl alc...	0.070	0.065	0.067	0.054	0.057	0.055	0.061	10.87
12) CM	1,1-Dichloroet...	0.518	0.525	0.521	0.483	0.468	0.471	0.498	5.32#
13) T	Acrolein	0.061	0.066	0.066	0.064	0.067	0.066	0.065	3.33
14) T	Allyl chloride	0.911	0.908	0.920	0.858	0.830	0.829	0.876	4.79
15) T	Acrylonitrile	0.150	0.162	0.161	0.149	0.155	0.152	0.155	3.57
16) T	Acetone	0.122	0.131	0.125	0.145	0.128	0.118	0.128	7.27
17) T	Carbon Disulfide	1.606	1.649	1.647	1.438	1.384	1.372	1.516	8.72
18) T	Methyl Acetate	0.407	0.417	0.417	0.374	0.391	0.380	0.398	4.69
19) T	Methyl tert-bu...	1.456	1.492	1.505	1.421	1.436	1.421	1.455	2.48
20) T	Methylene Chlo...	0.707	0.717	0.653	0.568	0.538	0.528	0.619	13.70
21) T	trans-1,2-Dich...	0.594	0.583	0.591	0.549	0.534	0.534	0.564	5.02
22) T	Diisopropyl ether	1.830	1.841	1.838	1.754	1.729	1.691	1.780	3.62
23) T	Vinyl Acetate	1.092	1.151	1.165	1.099	1.111	1.079	1.116	3.08
24) P	1,1-Dichloroet...	1.055	1.071	1.054	1.012	0.983	0.979	1.026	3.86
25) T	2-Butanone	0.204	0.217	0.215	0.210	0.212	0.203	0.210	2.80
26) T	2,2-Dichloropr...	1.003	0.963	0.954	0.919	0.889	0.877	0.934	5.14
27) T	cis-1,2-Dichlo...	0.653	0.659	0.672	0.642	0.625	0.618	0.645	3.18
28) T	Bromochloromet...	0.395	0.279	0.273	0.376	0.373	0.362	0.343	15.40
29) T	Tetrahydrofuran	0.127	0.141	0.142	0.129	0.137	0.132	0.135	4.70
30) C	Chloroform	1.056	1.033	1.033	1.002	0.972	0.964	1.010	3.64#
31) T	Cyclohexane	1.178	1.084	1.045	0.927	0.885	0.882	1.000	12.09
32) T	1,1,1-Trichlor...	0.951	0.953	0.946	0.908	0.883	0.880	0.920	3.71
33) S	1,2-Dichloroet...	0.545	0.495	0.491	0.522	0.519	0.504	0.513	3.88
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.316	0.393	0.381	0.307	0.303	0.297	0.333	12.83
36) T	1,1-Dichloropr...	0.503	0.509	0.498	0.485	0.469	0.467	0.488	3.63
37) T	Ethyl Acetate	0.277	0.286	0.292	0.270	0.282	0.274	0.280	2.83
38) T	Carbon Tetrach...	0.503	0.528	0.518	0.501	0.486	0.484	0.503	3.45
39) T	Methylcyclohexane	0.653	0.663	0.657	0.619	0.593	0.597	0.631	5.00
40) TM	Benzene	1.450	1.462	1.429	1.387	1.338	1.326	1.399	4.14
41) T	Methacrylonitrile	0.168	0.166	0.164	0.141	0.168	0.141	0.158	8.36
42) TM	1,2-Dichloroet...	0.410	0.418	0.425	0.399	0.395	0.388	0.406	3.53
43) T	Isopropyl Acetate	0.507	0.561	0.552	0.518	0.537	0.528	0.534	3.83
44) TM	Trichloroethene	0.388	0.400	0.393	0.383	0.369	0.371	0.384	3.11
45) C	1,2-Dichloropr...	0.371	0.367	0.361	0.352	0.344	0.344	0.356	3.25#
46) T	Dibromomethane	0.196	0.203	0.199	0.191	0.193	0.192	0.196	2.34
47) T	Bromodichlorom...	0.494	0.489	0.486	0.482	0.470	0.467	0.481	2.24
48) T	Methyl methacr...	0.241	0.259	0.259	0.247	0.246	0.241	0.249	3.30
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	4.15
50) S	Toluene-d8	1.277	0.965	0.925	1.206	1.173	1.140	1.114	12.51
51) T	4-Methyl-2-Pen...	0.257	0.286	0.286	0.271	0.281	0.272	0.275	4.07
52) CM	Toluene	0.929	0.932	0.914	0.884	0.858	0.851	0.895	3.97#
53) T	t-1,3-Dichloro...	0.516	0.537	0.522	0.516	0.515	0.510	0.519	1.85
54) T	cis-1,3-Dichlo...	0.592	0.601	0.596	0.581	0.573	0.569	0.585	2.25
55) T	1,1,2-Trichlor...	0.268	0.293	0.287	0.272	0.276	0.270	0.278	3.58
56) T	Ethyl methacry...	0.392	0.419	0.416	0.409	0.417	0.410	0.410	2.42

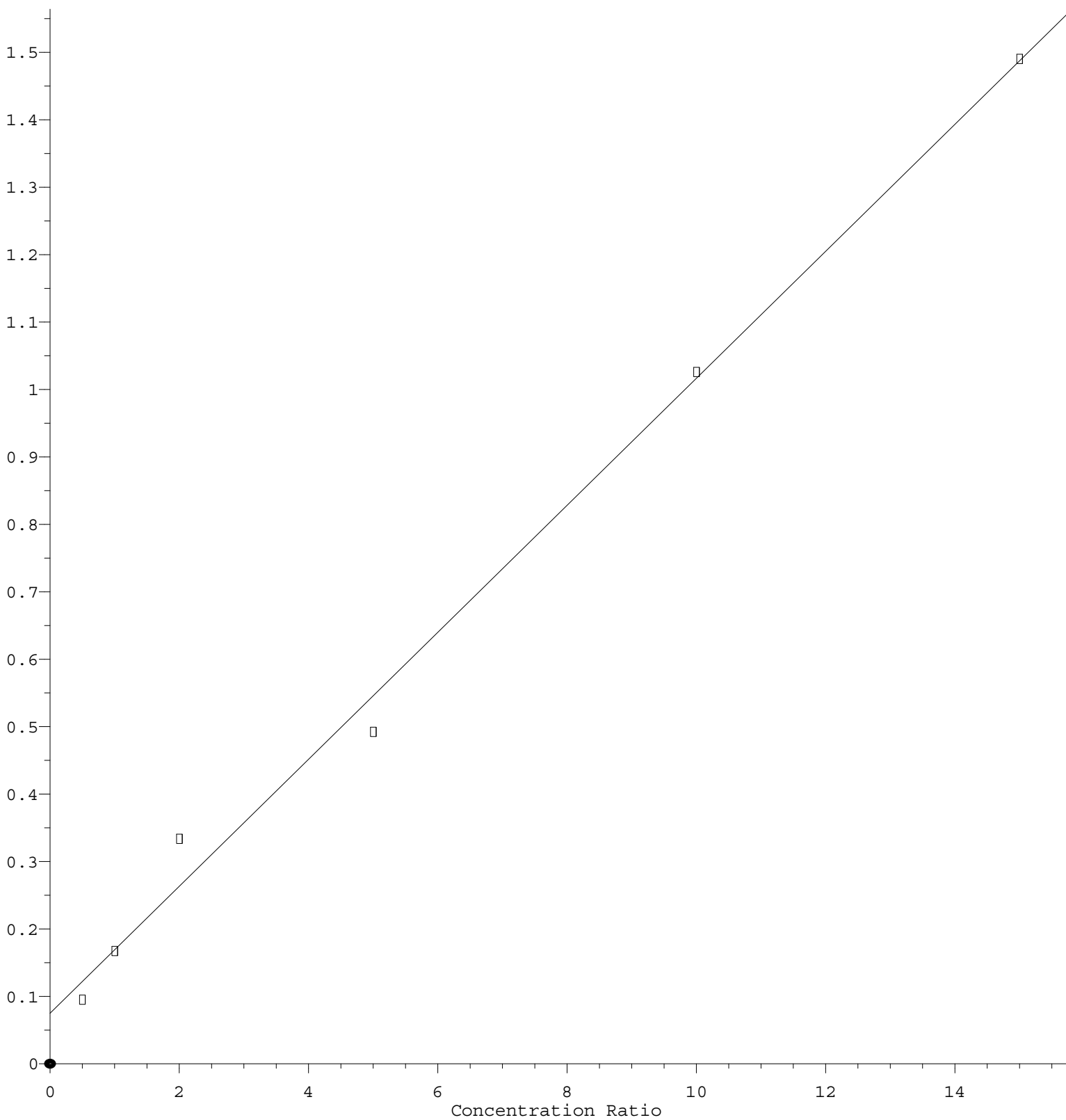
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57)	T	1,3-Dichloropr...	0.482	0.501	0.500	0.477	0.478	0.468	0.484	2.77
58)	T	2-Chloroethyl ...	0.190	0.167	0.167	0.098	0.103	0.099	0.137	30.37
59)	T	2-Hexanone	0.171	0.198	0.198	0.193	0.197	0.189	0.191	5.45
60)	T	Dibromochlorom...	0.323	0.345	0.341	0.333	0.335	0.331	0.335	2.32
61)	T	1,2-Dibromoethane	0.265	0.277	0.276	0.264	0.266	0.263	0.269	2.33
62)	S	4-Bromofluorob...	0.461	0.703	0.682	0.425	0.423	0.407	0.517	26.58
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.427	0.427	0.426	0.405	0.384	0.377	0.408	5.61
65)	PM	Chlorobenzene	1.095	1.101	1.096	1.059	1.027	1.016	1.065	3.53
66)	T	1,1,1,2-Tetrac...	0.399	0.395	0.405	0.391	0.381	0.376	0.391	2.83
67)	C	Ethyl Benzene	2.027	2.009	2.006	1.949	1.874	1.841	1.951	3.98#
68)	T	m/p-Xylenes	0.752	0.773	0.766	0.749	0.720	0.712	0.745	3.31
69)	T	o-Xylene	0.754	0.743	0.740	0.720	0.696	0.688	0.724	3.72
70)	T	Styrene	1.223	1.223	1.239	1.209	1.181	1.158	1.205	2.51
71)	P	Bromoform	0.234	0.244	0.246	0.241	0.244	0.242	0.242	1.77
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	4.155	4.111	4.034	3.984	3.768	3.882	3.989	3.63
74)	T	N-amyl acetate	1.016	1.131	1.137	1.085	1.116	1.119	1.101	4.11
75)	P	1,1,2,2-Tetrac...	0.758	0.793	0.777	0.749	0.755	0.769	0.767	2.13
76)	T	1,2,3-Trichlor...	0.603	0.620	0.593	0.598	0.582	0.573	0.595	2.78
77)	T	Bromobenzene	0.966	0.928	0.909	0.889	0.863	0.889	0.907	3.96
78)	T	n-propylbenzene	5.037	4.954	4.846	4.801	4.511	4.583	4.789	4.30
79)	T	2-Chlorotoluene	2.818	2.784	2.745	2.698	2.564	2.631	2.707	3.55
80)	T	1,3,5-Trimethy...	3.491	3.468	3.428	3.326	3.142	3.199	3.342	4.36
81)	T	trans-1,4-Dich...	0.260	0.287	0.287	0.286	0.294	0.297	0.285	4.53
82)	T	4-Chlorotoluene	2.878	2.870	2.835	2.787	2.653	2.698	2.787	3.34
83)	T	tert-Butylbenzene	3.014	3.003	2.938	2.891	2.747	2.829	2.904	3.57
84)	T	1,2,4-Trimethy...	3.382	3.433	3.354	3.271	3.105	3.148	3.282	4.03
85)	T	sec-Butylbenzene	4.507	4.456	4.385	4.293	4.027	4.096	4.294	4.55
86)	T	p-Isopropyltol...	3.606	3.680	3.601	3.581	3.393	3.420	3.547	3.22
87)	T	1,3-Dichlorobe...	1.832	1.810	1.785	1.757	1.685	1.703	1.762	3.33
88)	T	1,4-Dichlorobe...	1.841	1.808	1.768	1.732	1.670	1.693	1.752	3.78
89)	T	n-Butylbenzene	3.449	3.499	3.452	3.347	3.176	3.196	3.353	4.13
90)	T	Hexachloroethane	0.702	0.701	0.695	0.681	0.644	0.663	0.681	3.44
91)	T	1,2-Dichlorobe...	1.625	1.619	1.586	1.557	1.508	1.527	1.570	3.07
92)	T	1,2-Dibromo-3-...	0.138	0.138	0.139	0.127	0.133	0.135	0.135	3.26
93)	T	1,2,4-Trichlor...	0.966	1.003	0.978	0.941	0.966	0.977	0.972	2.08
94)	T	Hexachlorobuta...	0.620	0.599	0.581	0.551	0.529	0.538	0.570	6.34
95)	T	Naphthalene	1.835	2.059	2.036	1.942	2.097	2.133	2.017	5.46
96)	T	1,2,3-Trichlor...	0.796	0.852	0.821	0.798	0.829	0.845	0.823	2.84

(#) = Out of Range

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 9.412\text{e-}002 * \text{Amt} + 7.519\text{e-}002$$

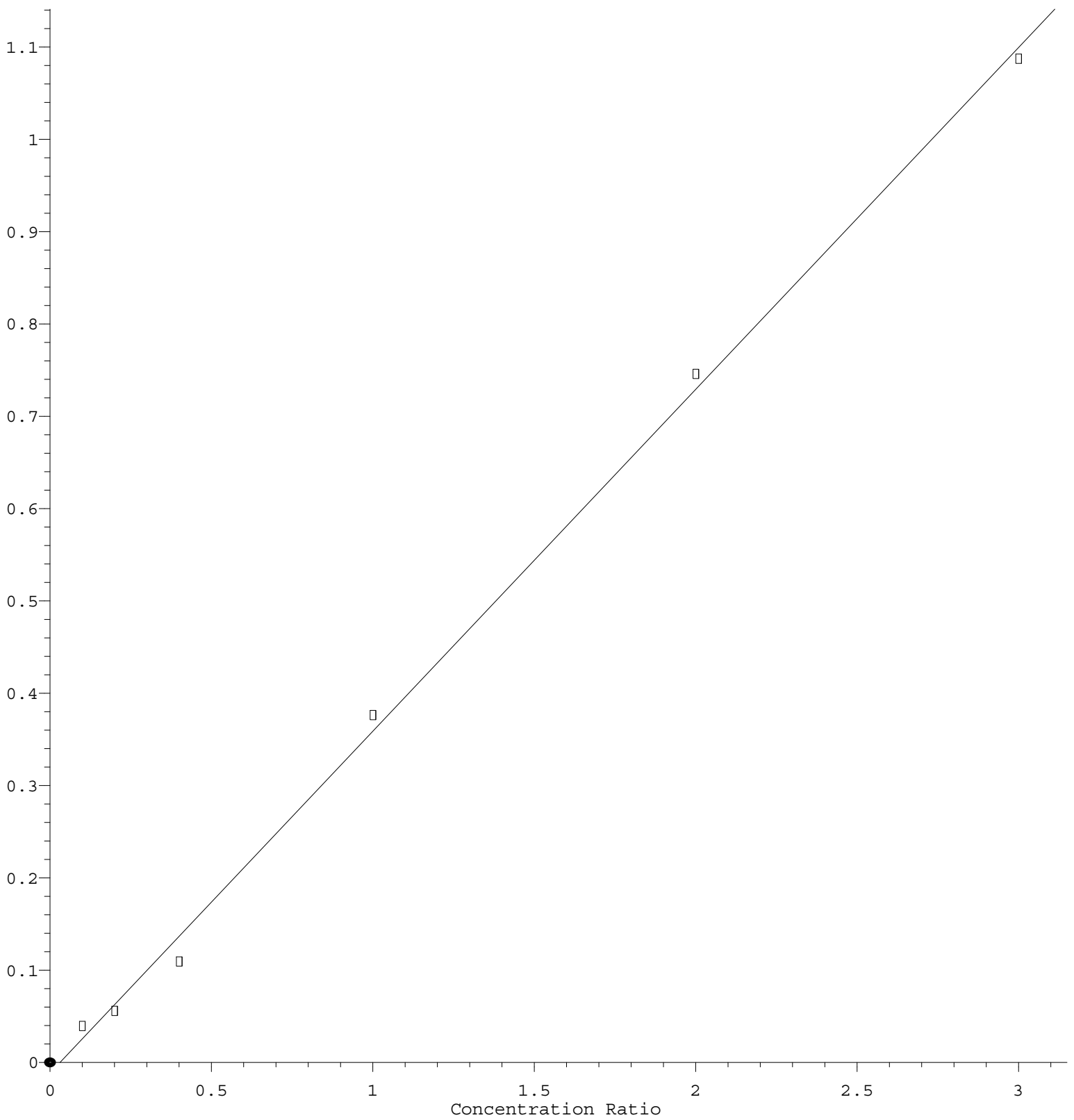
Coef of Det (r^2) = 0.994224 Curve Fit: Linear

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Bromochloromethane

Response Ratio



$$\text{Response} = 3.705\text{e-}001 * \text{Amt} - 1.138\text{e-}002$$

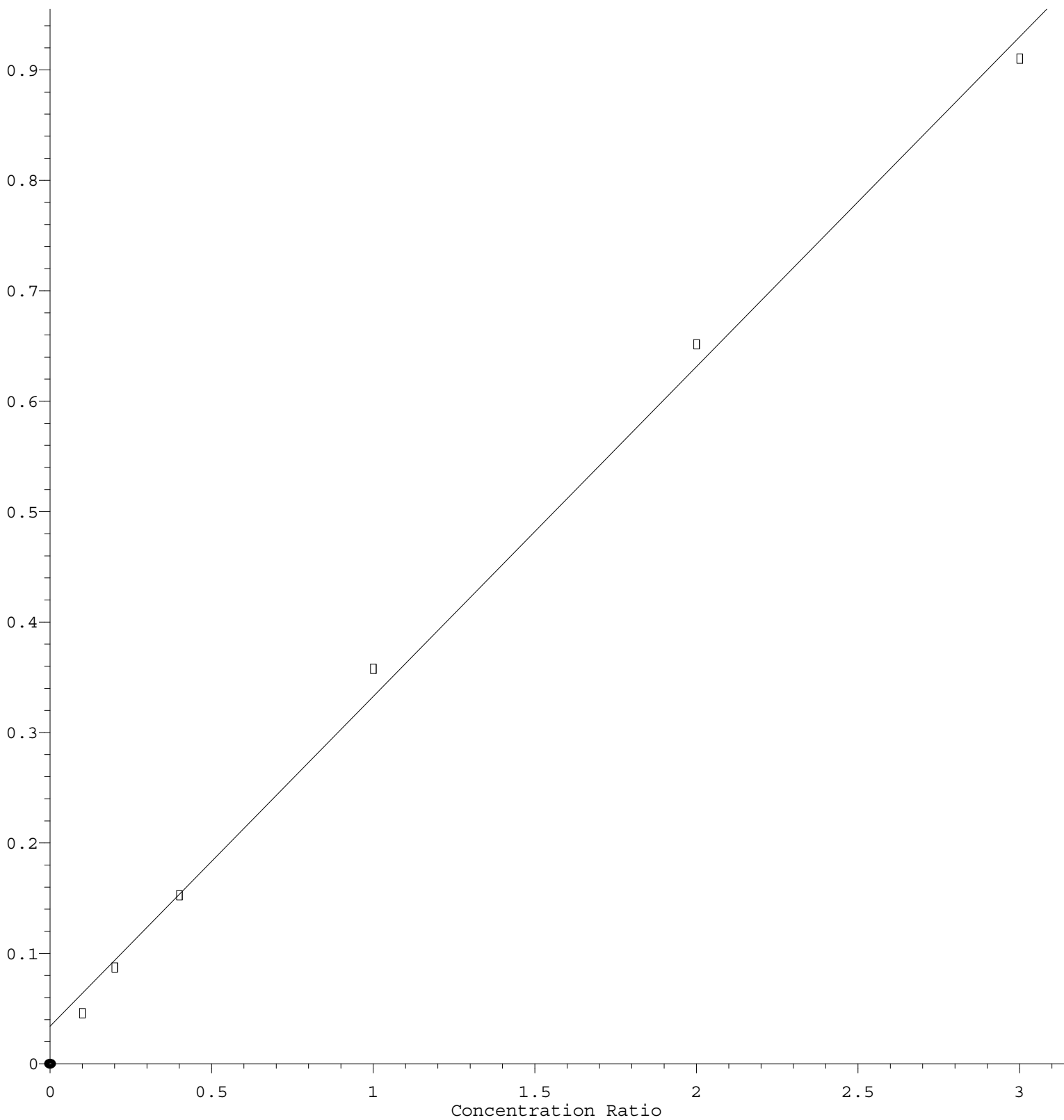
Coef of Det (r^2) = 0.998144 Curve Fit: Linear

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Bromomethane

Response Ratio



$$\text{Response} = 2.990\text{e-}001 * \text{Amt} + 3.352\text{e-}002$$

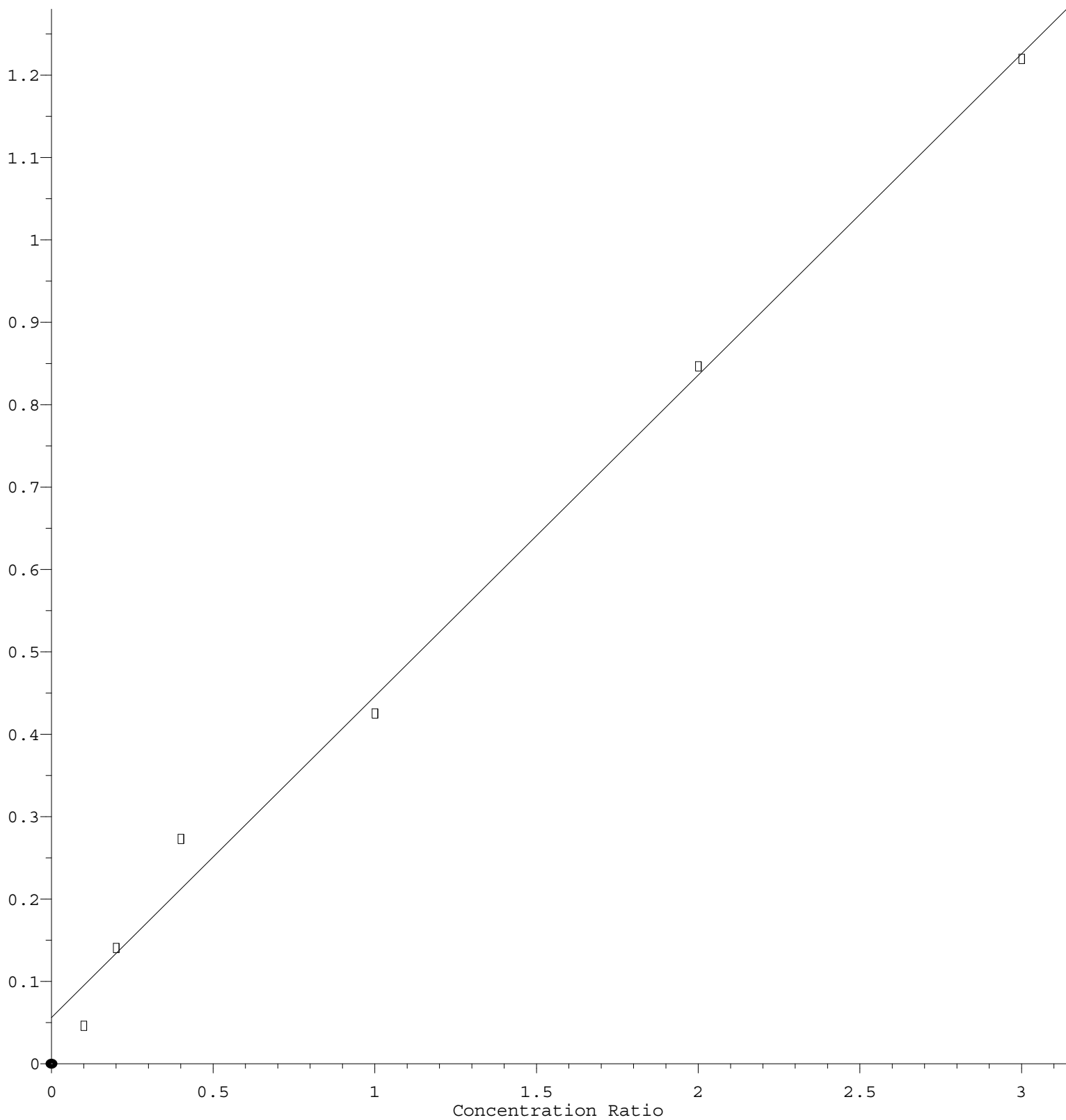
Coef of Det (r^2) = 0.997024 Curve Fit: Linear

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4-Bromofluorobenzene

Response Ratio



$$\text{Response} = 3.900\text{e-}001 * \text{Amt} + 5.634\text{e-}002$$

Coef of Det (r^2) = 0.993463 Curve Fit: Linear

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