

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D061623S.M
 Title : SW846 8260
 Last Update : Mon Jun 19 04:51:45 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD076455.D 10 =VD076456.D 20 =VD076457.D 50 =VD076458.D 100 =VD076459.D 150 =VD076460.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.420	0.372	0.394	0.343	0.381	0.370	0.380	6.76
3) P	Chloromethane	0.982	0.753	0.788	0.747	0.731	0.739	0.790	12.14
4) C	Vinyl Chloride	0.964	0.876	0.874	0.854	0.877	0.844	0.881	4.84#
5) T	Bromomethane	0.715	0.571	0.575	0.518	0.541	0.520	0.573	12.83
6) T	Chloroethane	0.674	0.599	0.623	0.577	0.585	0.567	0.604	6.50
7) T	Trichlorofluor...	0.801	0.736	0.719	0.649	0.733	0.713	0.725	6.74
8) T	Diethyl Ether	0.295	0.270	0.272	0.278	0.251	0.273	0.273	5.25
9) T	1,1,2-Trichlor...	0.496	0.474	0.482	0.426	0.472	0.453	0.467	5.20
10) T	Methyl Iodide	0.542	0.483	0.546	0.574	0.585	0.593	0.554	7.29
11) T	Tert butyl alc...	0.055	0.041	0.042	0.041	0.037	0.043	0.043	14.28
12) CM	1,1-Dichloroet...	0.476	0.468	0.455	0.435	0.466	0.445	0.458	3.42#
13) T	Acrolein	0.055	0.049	0.050	0.045	0.038	0.044	0.047	12.52
14) T	Allyl chloride	0.916	0.811	0.829	0.823	0.810	0.831	0.837	4.75
15) T	Acrylonitrile	0.146	0.121	0.142	0.146	0.135	0.152	0.140	7.90
16) T	Acetone	0.133	0.118	0.114	0.129	0.105	0.117	0.119	8.45
17) T	Carbon Disulfide	1.458	1.157	1.174	1.211	1.259	1.242	1.250	8.70
18) T	Methyl Acetate	0.614	0.500	0.540	0.567	0.497	0.579	0.549	8.45
19) T	Methyl tert-bu...	1.302	1.161	1.269	1.291	1.190	1.297	1.251	4.85
20) T	Methylene Chlo...	1.504	1.035	0.859	0.713	0.581	0.609	0.884	39.34
21) T	trans-1,2-Dich...	0.577	0.509	0.524	0.521	0.524	0.519	0.529	4.62
22) T	Diisopropyl ether	1.845	1.755	1.814	1.869	1.729	1.842	1.809	3.06
23) T	Vinyl Acetate	0.855	0.801	0.894	0.950	0.892	0.988	0.897	7.43
24) P	1,1-Dichloroet...	1.017	1.006	1.042	1.011	0.986	1.000	1.010	1.88
25) T	2-Butanone	0.195	0.169	0.180	0.193	0.174	0.196	0.184	6.32
26) T	2,2-Dichloropr...	0.977	0.877	0.871	0.841	0.828	0.833	0.871	6.37
27) T	cis-1,2-Dichlo...	0.677	0.609	0.628	0.652	0.630	0.644	0.640	3.66
28) T	Bromochloromet...	0.420	0.335	0.322	0.300	0.267	0.290	0.322	16.62
29) T	Tetrahydrofuran	0.123	0.105	0.120	0.123	0.112	0.129	0.118	7.33
30) C	Chloroform	1.081	0.995	0.983	1.001	0.953	0.989	1.000	4.28#
31) T	Cyclohexane	1.097	0.848	0.813	0.735	0.789	0.755	0.840	15.76
32) T	1,1,1-Trichlor...	0.827	0.810	0.825	0.782	0.804	0.804	0.809	2.03
33) S	1,2-Dichloroet...	0.555	0.497	0.502	0.503	0.459	0.490	0.501	6.23
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.297	0.312	0.299	0.297	0.285	0.293	0.297	3.02
36) T	1,1-Dichloropr...	0.437	0.411	0.426	0.387	0.422	0.413	0.416	4.11
37) T	Ethyl Acetate	0.271	0.229	0.242	0.234	0.220	0.251	0.241	7.44
38) T	Carbon Tetrach...	0.365	0.357	0.375	0.353	0.394	0.387	0.372	4.47
39) T	Methylcyclohexane	0.526	0.481	0.487	0.447	0.505	0.483	0.488	5.41
40) TM	Benzene	1.277	1.286	1.269	1.242	1.256	1.280	1.268	1.30
41) T	Methacrylonitrile	0.144	0.138	0.140	0.141	0.117	0.136	0.136	7.18
42) TM	1,2-Dichloroet...	0.351	0.319	0.352	0.352	0.334	0.349	0.343	3.93
43) T	Isopropyl Acetate	0.453	0.424	0.470	0.461	0.437	0.492	0.456	5.29
44) TM	Trichloroethene	0.356	0.340	0.359	0.327	0.335	0.336	0.342	3.71
45) C	1,2-Dichloropr...	0.354	0.336	0.353	0.342	0.336	0.343	0.344	2.36#
46) T	Dibromomethane	0.172	0.179	0.191	0.188	0.184	0.191	0.184	3.94
47) T	Bromodichlorom...	0.429	0.440	0.456	0.439	0.435	0.446	0.441	2.13
48) T	Methyl methacr...	0.180	0.198	0.223	0.216	0.208	0.230	0.209	8.59
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.003	0.002	8.25
50) S	Toluene-d8	1.108	1.183	1.155	1.117	1.079	1.117	1.126	3.26
51) T	4-Methyl-2-Pen...	0.220	0.215	0.228	0.242	0.230	0.264	0.233	7.49
52) CM	Toluene	0.764	0.784	0.835	0.779	0.807	0.807	0.796	3.17#
53) T	t-1,3-Dichloro...	0.421	0.438	0.441	0.467	0.439	0.478	0.447	4.72
54) T	cis-1,3-Dichlo...	0.520	0.530	0.532	0.532	0.517	0.550	0.530	2.18
55) T	1,1,2-Trichlor...	0.249	0.260	0.270	0.257	0.247	0.263	0.258	3.34
56) T	Ethyl methacry...	0.324	0.318	0.333	0.349	0.327	0.368	0.337	5.55

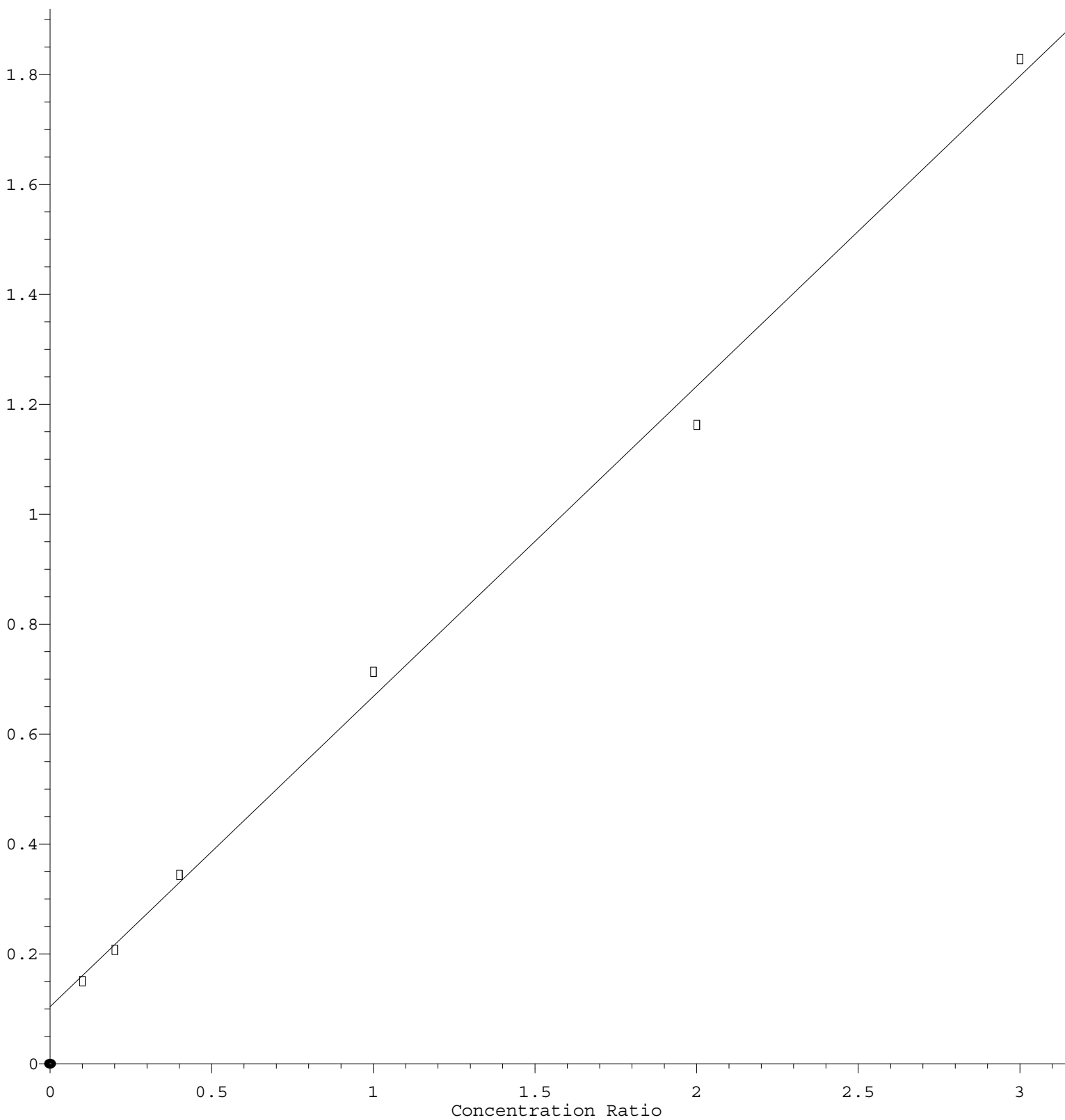
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57)	T	1,3-Dichloropr...	0.433	0.437	0.448	0.443	0.431	0.454	0.441	2.04
58)	T	2-Chloroethyl ...	0.158	0.126	0.148	0.139	0.134	0.151	0.143	8.32
59)	T	2-Hexanone	0.149	0.153	0.159	0.170	0.160	0.184	0.162	7.83
60)	T	Dibromochlorom...	0.294	0.278	0.303	0.305	0.297	0.323	0.300	4.92
61)	T	1,2-Dibromoethane	0.235	0.223	0.260	0.244	0.233	0.256	0.242	5.90
62)	S	4-Bromofluorob...	0.371	0.373	0.373	0.366	0.350	0.361	0.366	2.41
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.320	0.292	0.306	0.285	0.305	0.293	0.300	4.25
65)	PM	Chlorobenzene	0.946	0.939	0.971	0.948	0.947	0.948	0.950	1.16
66)	T	1,1,1,2-Tetrac...	0.314	0.327	0.346	0.342	0.350	0.359	0.340	4.82
67)	C	Ethyl Benzene	1.633	1.654	1.691	1.632	1.760	1.729	1.683	3.13#
68)	T	m/p-Xylenes	0.637	0.644	0.681	0.634	0.679	0.668	0.657	3.21
69)	T	o-Xylene	0.590	0.618	0.631	0.612	0.657	0.646	0.625	3.89
70)	T	Styrene	1.054	1.055	1.105	1.053	1.108	1.106	1.080	2.66
71)	P	Bromoform	0.200	0.185	0.202	0.212	0.209	0.217	0.204	5.63
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.324	3.554	3.418	3.173	3.444	3.285	3.366	3.98
74)	T	N-amyl acetate	0.994	0.957	0.960	0.994	0.974	1.034	0.986	2.89
75)	P	1,1,2,2-Tetrac...	0.694	0.678	0.705	0.706	0.676	0.709	0.695	2.12
76)	T	1,2,3-Trichlor...	0.559	0.541	0.467	0.459	0.465	0.486	0.496	8.64
77)	T	Bromobenzene	0.891	0.852	0.853	0.796	0.794	0.797	0.831	4.89
78)	T	n-propylbenzene	4.262	4.325	4.170	3.894	4.256	4.031	4.157	3.94
79)	T	2-Chlorotoluene	2.325	2.373	2.336	2.179	2.282	2.201	2.283	3.39
80)	T	1,3,5-Trimethy...	2.754	2.800	2.870	2.621	2.781	2.669	2.749	3.30
81)	T	trans-1,4-Dich...	0.228	0.222	0.227	0.233	0.215	0.235	0.226	3.26
82)	T	4-Chlorotoluene	2.364	2.538	2.386	2.271	2.355	2.308	2.370	3.88
83)	T	tert-Butylbenzene	2.468	2.656	2.419	2.266	2.479	2.368	2.443	5.33
84)	T	1,2,4-Trimethy...	2.737	2.827	2.841	2.673	2.786	2.759	2.770	2.24
85)	T	sec-Butylbenzene	3.603	3.718	3.703	3.398	3.775	3.553	3.625	3.79
86)	T	p-Isopropyltol...	2.898	3.092	3.102	2.839	3.188	3.054	3.029	4.39
87)	T	1,3-Dichlorobe...	1.686	1.665	1.684	1.574	1.605	1.575	1.631	3.24
88)	T	1,4-Dichlorobe...	1.745	1.686	1.658	1.542	1.570	1.561	1.627	5.00
89)	T	n-Butylbenzene	3.018	3.025	2.997	2.764	3.048	2.874	2.954	3.78
90)	T	Hexachloroethane	0.534	0.604	0.543	0.530	0.582	0.562	0.559	5.24
91)	T	1,2-Dichlorobe...	1.431	1.478	1.485	1.374	1.405	1.381	1.426	3.36
92)	T	1,2-Dibromo-3-...	0.106	0.115	0.099	0.102	0.096	0.108	0.105	6.76
93)	T	1,2,4-Trichlor...	0.986	0.971	0.960	0.909	0.933	0.941	0.950	2.92
94)	T	Hexachlorobuta...	0.463	0.505	0.448	0.425	0.480	0.450	0.462	6.05
95)	T	Naphthalene	2.007	1.798	1.844	1.890	1.879	1.980	1.900	4.20
96)	T	1,2,3-Trichlor...	0.848	0.818	0.829	0.805	0.826	0.840	0.828	1.84

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.644\text{e-}001 * \text{Amt} + 1.038\text{e-}001$$

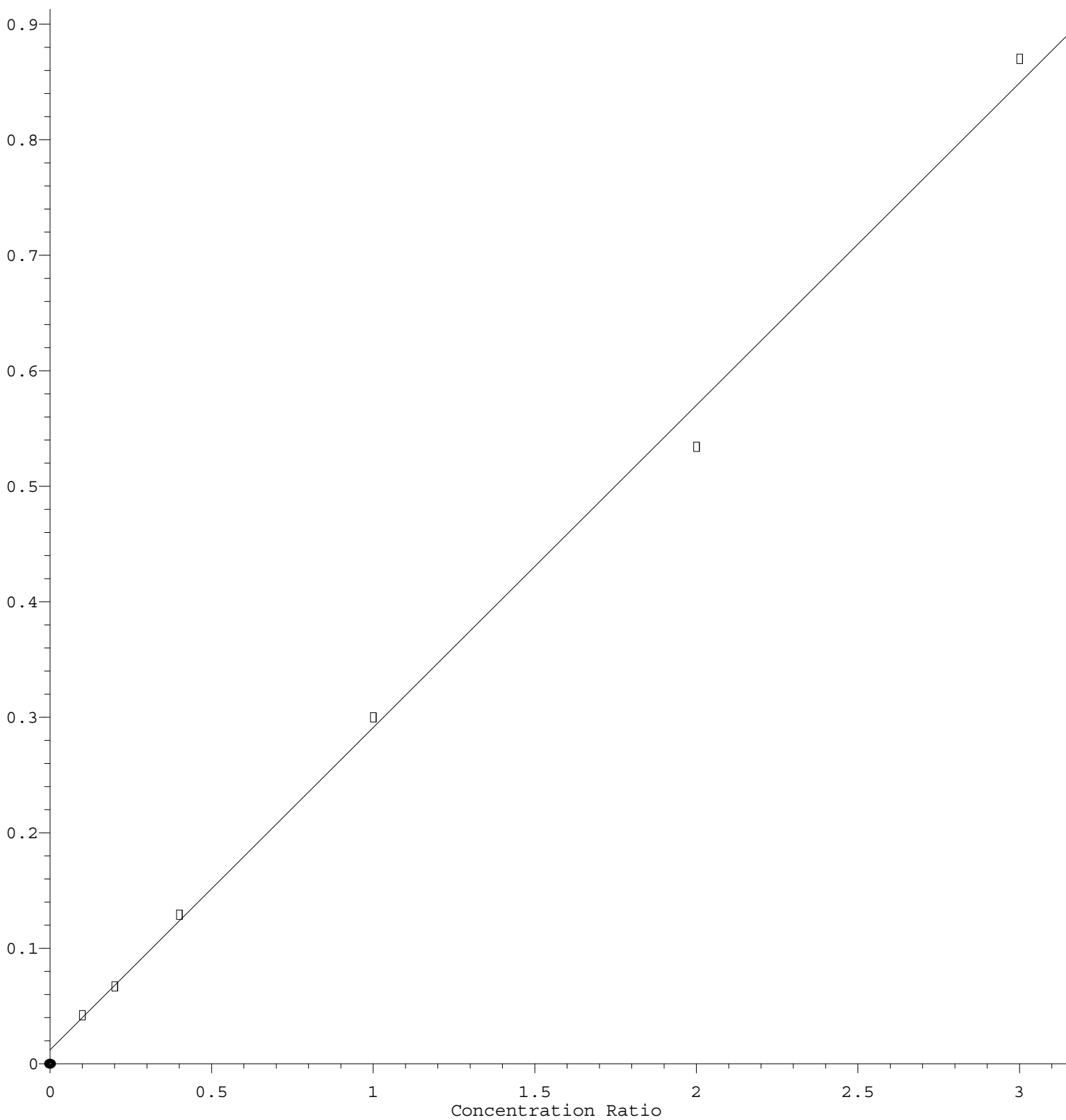
Coef of Det (r^2) = 0.996146 Curve Fit: Linear

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Bromochloromethane

Response Ratio



$$\text{Response} = 2.792\text{e-}001 * \text{Amt} + 1.185\text{e-}002$$

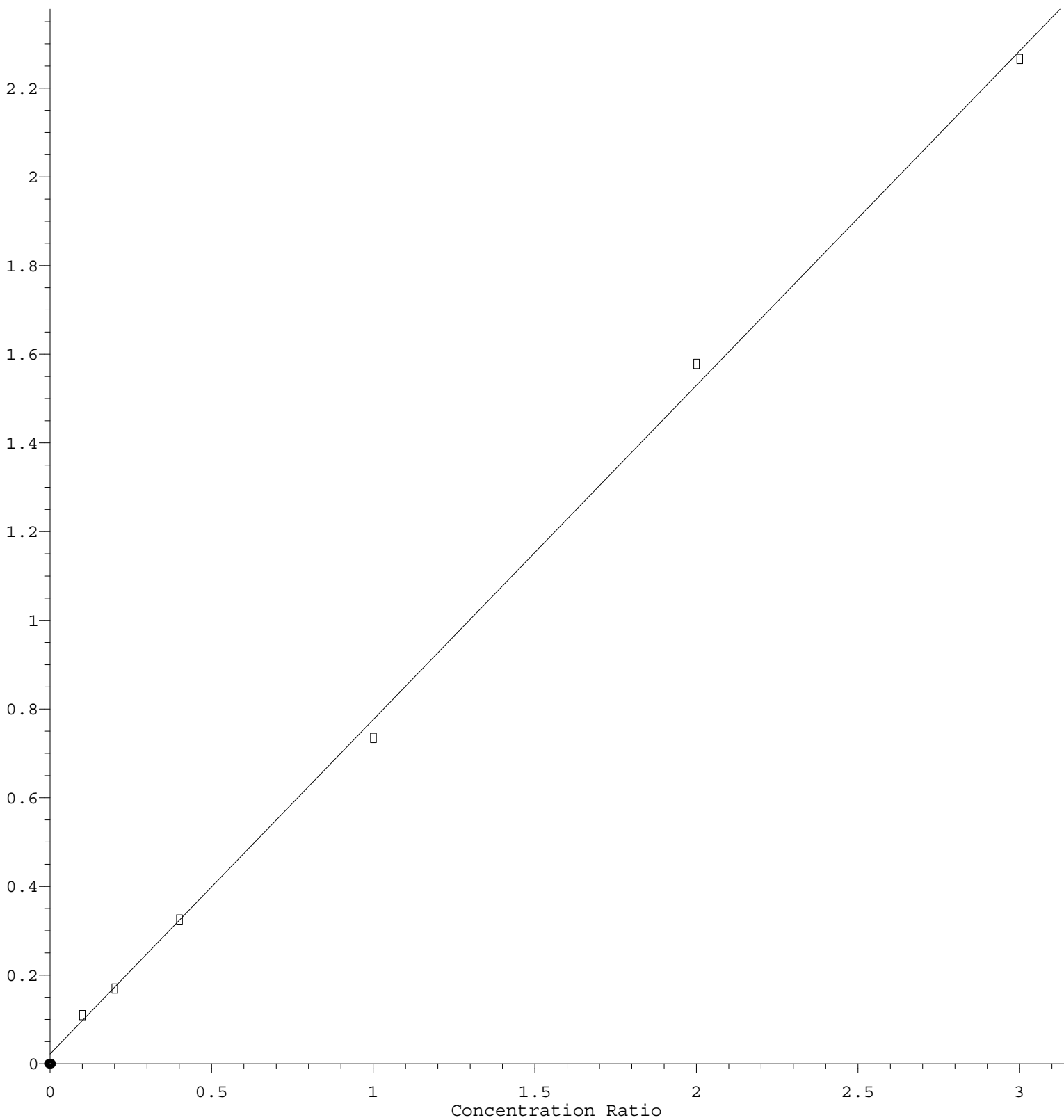
Coef of Det (r^2) = 0.996503 Curve Fit: Linear

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Cyclohexane

Response Ratio



$$\text{Response} = 7.542\text{e-}001 * \text{Amt} + 2.159\text{e-}002$$

Coef of Det (r^2) = 0.998818 Curve Fit: Linear

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