

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N032523W.M
 Title : SW846 8260
 Last Update : Mon Mar 27 02:47:06 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN077187.D 10 =VN077188.D 20 =VN077189.D 50 =VN077190.D 75 =VN077191.D 100 =VN077192.D

	Compound	5	10	20	50	75	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.614	0.478	0.552	0.481	0.453	0.552	0.522	11.76
3) P	Chloromethane	0.807	0.662	0.786	0.685	0.700	0.750	0.732	7.98
4) C	Vinyl Chloride	0.893	0.748	0.849	0.825	0.800	0.844	0.826	5.97#
5) T	Bromomethane	0.722	0.688	0.726	0.640	0.623	0.559	0.660	9.83
6) T	Chloroethane	0.715	0.870	0.780	0.686	0.662	0.587	0.717	13.74
7) T	Trichlorofluor...	1.267	1.307	1.837	1.129	0.955	1.109	1.267	24.13
8) T	Diethyl Ether	0.381	0.331	0.377	0.370	0.640	0.403	0.417	26.78
9) T	1,1,2-Trichlor...	0.621	0.518	0.561	0.523	0.518	0.514	0.542	7.77
10) T	Methyl Iodide	0.543	0.532	0.611	0.635	0.654	0.698	0.612	10.54
11) T	Tert butyl alc...	0.117	0.097	0.106	0.097	0.105	0.117	0.107	8.51
12) CM	1,1-Dichloroet...	0.546	0.492	0.513	0.511	0.512	0.522	0.516	3.41#
13) T	Acrolein	0.158	0.149	0.152	0.135	0.148	0.155	0.149	5.41
14) T	Allyl chloride	1.060	0.899	0.991	0.995	0.912	0.958	0.969	6.15
15) T	Acrylonitrile	0.360	0.310	0.340	0.311	0.324	0.347	0.332	6.12
16) T	Acetone	0.323	0.275	0.301	0.276	0.277	0.292	0.291	6.54
17) T	Carbon Disulfide	1.517	1.284	1.476	1.462	1.455	1.469	1.444	5.61
18) T	Methyl Acetate	1.293	1.094	1.175	1.106	1.121	1.189	1.163	6.37
19) T	Methyl tert-bu...	1.814	1.646	1.864	1.837	1.841	2.002	1.834	6.22
20) T	Methylene Chlo...	0.755	0.604	0.659	0.614	0.615	0.637	0.647	8.70
21) T	trans-1,2-Dich...	0.624	0.533	0.558	0.561	0.552	0.569	0.566	5.44
22) T	Diisopropyl ether	2.092	1.903	2.157	2.111	2.063	2.209	2.089	5.01
23) T	Vinyl Acetate	1.296	1.149	1.353	1.379	1.400	1.512	1.348	8.96
24) P	1,1-Dichloroet...	1.269	1.080	1.193	1.153	1.125	1.188	1.168	5.58
25) T	2-Butanone	0.467	0.422	0.466	0.439	0.452	0.480	0.455	4.64
26) T	2,2-Dichloropr...	0.860	0.745	0.800	0.799	0.795	0.835	0.805	4.85
27) T	cis-1,2-Dichlo...	0.679	0.589	0.660	0.660	0.647	0.683	0.653	5.26
28) T	Bromochloromet...	0.585	0.705	0.601	0.561	0.554	0.567	0.596	9.48
29) T	Tetrahydrofuran	0.303	0.277	0.314	0.293	0.299	0.321	0.301	5.11
30) C	Chloroform	1.240	1.089	1.165	1.125	1.116	1.168	1.150	4.64#
31) T	Cyclohexane	1.312	1.063	1.082	1.023	1.024	1.013	1.086	10.46
32) T	1,1,1-Trichlor...	1.015	0.932	1.005	0.983	0.981	1.010	0.988	3.11
33) S	1,2-Dichloroet...	0.827	0.762	0.798	0.767	0.742	0.794	0.782	3.91
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.357	0.337	0.349	0.330	0.320	0.343	0.339	3.92
36) T	1,1-Dichloropr...	0.483	0.435	0.474	0.479	0.477	0.485	0.472	3.96
37) T	Ethyl Acetate	0.556	0.481	0.550	0.500	0.515	0.556	0.526	6.09
38) T	Carbon Tetrach...	0.495	0.437	0.487	0.482	0.479	0.492	0.479	4.43
39) T	Methylcyclohexane	0.524	0.483	0.565	0.570	0.575	0.592	0.552	7.34
40) TM	Benzene	1.494	1.386	1.477	1.437	1.428	1.462	1.447	2.68
41) T	Methacrylonitrile	0.301	0.263	0.299	0.286	0.278	0.299	0.288	5.18
42) TM	1,2-Dichloroet...	0.595	0.519	0.553	0.531	0.523	0.553	0.546	5.22
43) T	Isopropyl Acetate	0.815	0.796	0.850	0.828	0.867	0.937	0.849	5.89
44) TM	Trichloroethene	0.335	0.314	0.324	0.338	0.334	0.345	0.332	3.29
45) C	1,2-Dichloropr...	0.406	0.364	0.390	0.383	0.374	0.393	0.385	3.81#
46) T	Dibromomethane	0.268	0.232	0.258	0.246	0.246	0.259	0.252	5.06
47) T	Bromodichlorom...	0.504	0.473	0.493	0.498	0.502	0.532	0.500	3.85
48) T	Methyl methacr...	0.386	0.371	0.416	0.407	0.418	0.455	0.409	7.10
49) T	1,4-Dioxane	0.007	0.006	0.007	0.006	0.007	0.007	0.007	6.15
50) S	Toluene-d8	1.270	1.207	1.316	1.282	1.258	1.295	1.271	2.95
51) T	4-Methyl-2-Pen...	0.523	0.501	0.547	0.517	0.537	0.581	0.534	5.20
52) CM	Toluene	0.859	0.821	0.901	0.897	0.891	0.927	0.883	4.20#
53) T	t-1,3-Dichloro...	0.480	0.426	0.492	0.532	0.540	0.576	0.508	10.41
54) T	cis-1,3-Dichlo...	0.528	0.496	0.549	0.569	0.579	0.613	0.556	7.38
55) T	1,1,2-Trichlor...	0.357	0.328	0.351	0.342	0.342	0.360	0.346	3.39
56) T	Ethyl methacry...	0.446	0.422	0.503	0.527	0.555	0.614	0.511	13.84

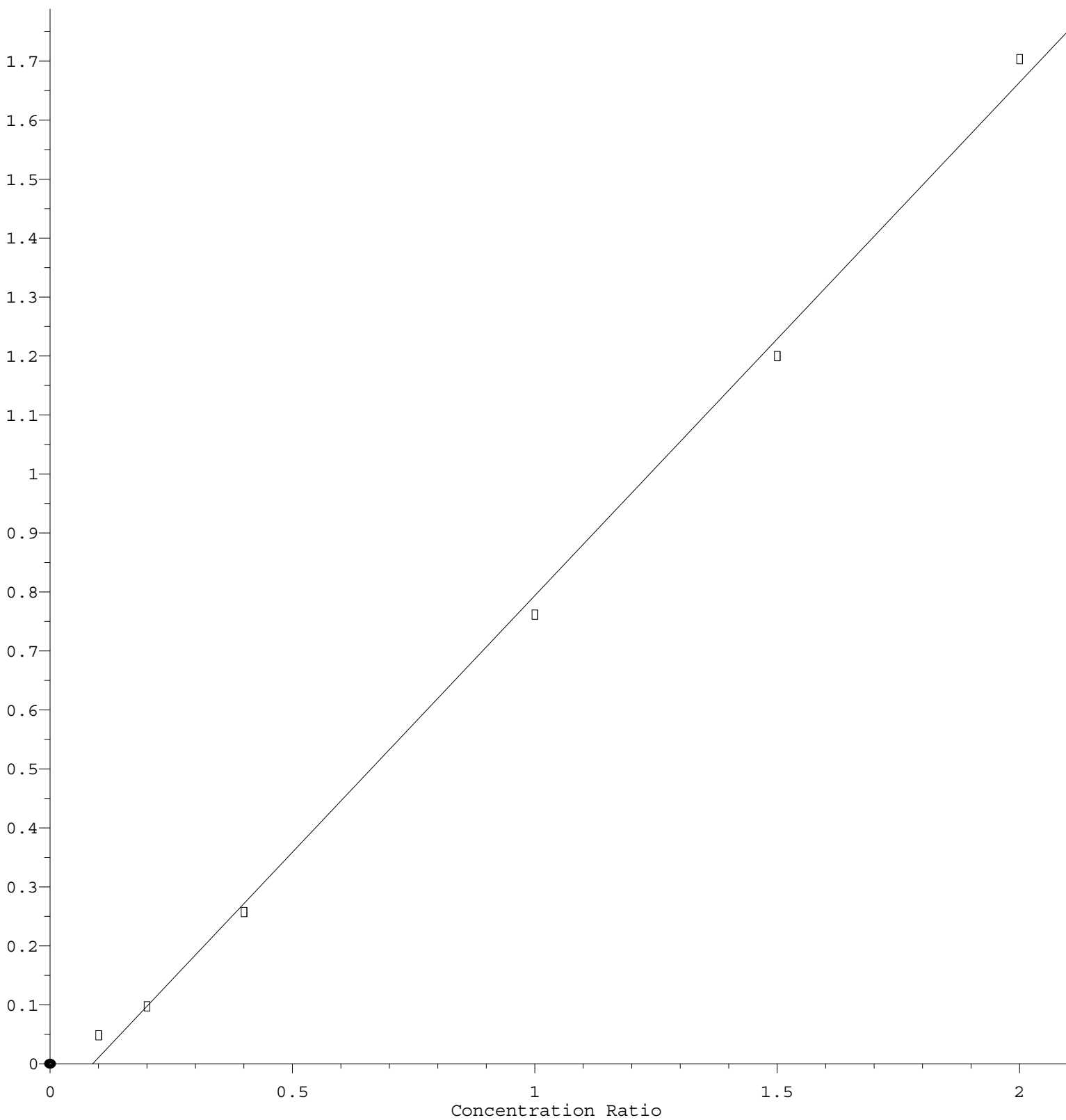
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57)	T	1,3-Dichloropr...	0.636	0.579	0.627	0.607	0.612	0.646	0.618	3.87
58)	T	2-Chloroethyl ...	0.181	0.185	0.188	0.204	0.209	0.230	0.200	9.30
59)	T	2-Hexanone	0.375	0.346	0.394	0.376	0.391	0.422	0.384	6.52
60)	T	Dibromochlorom...	0.341	0.310	0.356	0.362	0.369	0.397	0.356	8.12
61)	T	1,2-Dibromoethane	0.349	0.311	0.342	0.341	0.352	0.370	0.344	5.67
62)	S	4-Bromofluorob...	0.388	0.371	0.424	0.433	0.432	0.455	0.417	7.57
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.318	0.299	0.316	0.310	0.310	0.308	0.310	2.24
65)	PM	Chlorobenzene	1.037	0.937	1.028	0.997	1.004	1.042	1.007	3.84
66)	T	1,1,1,2-Tetrac...	0.376	0.334	0.386	0.364	0.365	0.384	0.368	5.22
67)	C	Ethyl Benzene	1.810	1.629	1.863	1.890	1.878	1.925	1.833	5.83#
68)	T	m/p-Xylenes	0.651	0.632	0.719	0.716	0.721	0.742	0.697	6.35
69)	T	o-Xylene	0.625	0.590	0.691	0.706	0.705	0.734	0.675	8.22
70)	T	Styrene	0.959	0.965	1.086	1.153	1.167	1.211	1.090	9.82
71)	P	Bromoform	0.261	0.233	0.268	0.277	0.287	0.309	0.273	9.45
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.010	3.667	4.073	3.882	3.921	4.052	3.934	3.83
74)	T	N-amyl acetate	1.702	1.536	1.742	1.660	1.718	1.927	1.714	7.42
75)	P	1,1,2,2-Tetrac...	1.594	1.302	1.346	1.198	1.187	1.258	1.314	11.40
76)	T	1,2,3-Trichlor...	0.899	0.991	1.158	1.038	1.048	0.951	1.014	8.82
77)	T	Bromobenzene	0.979	0.838	0.929	0.877	0.888	0.924	0.906	5.42
78)	T	n-propylbenzene	4.496	4.077	4.674	4.625	4.605	4.744	4.537	5.28
79)	T	2-Chlorotoluene	2.962	2.617	2.870	2.743	2.727	2.821	2.790	4.34
80)	T	1,3,5-Trimethy...	3.189	2.992	3.419	3.351	3.317	3.389	3.276	4.90
81)	T	trans-1,4-Dich...	0.324	0.308	0.341	0.358	0.374	0.407	0.352	10.14
82)	T	4-Chlorotoluene	2.690	2.463	2.714	2.645	2.677	2.700	2.648	3.55
83)	T	tert-Butylbenzene	2.761	2.468	2.857	2.869	2.811	2.860	2.771	5.56
84)	T	1,2,4-Trimethy...	3.021	2.894	3.421	3.318	3.300	3.362	3.219	6.56
85)	T	sec-Butylbenzene	3.750	3.518	4.122	4.078	4.089	4.154	3.952	6.54
86)	T	p-Isopropyltol...	2.850	2.779	3.275	3.330	3.326	3.431	3.165	8.76
87)	T	1,3-Dichlorobe...	1.708	1.525	1.636	1.618	1.629	1.692	1.635	3.97
88)	T	1,4-Dichlorobe...	1.734	1.509	1.653	1.640	1.594	1.678	1.635	4.69
89)	T	n-Butylbenzene	2.203	2.076	2.553	2.816	2.928	2.993	2.595	14.86
90)	T	Hexachloroethane	0.588	0.535	0.602	0.600	0.595	0.619	0.590	4.88
91)	T	1,2-Dichlorobe...	1.763	1.504	1.661	1.607	1.602	1.645	1.630	5.21
92)	T	1,2-Dibromo-3-...	0.242	0.221	0.235	0.214	0.233	0.251	0.233	5.83
93)	T	1,2,4-Trichlor...	0.484	0.487	0.643	0.761	0.800	0.852	0.671	23.75
94)	T	Hexachlorobuta...	0.462	0.381	0.414	0.411	0.406	0.408	0.414	6.38
95)	T	Naphthalene	1.111	1.259	2.023	2.515	2.687	2.963	2.093	36.72
96)	T	1,2,3-Trichlor...	0.432	0.486	0.625	0.741	0.789	0.844	0.653	25.68

(#) = Out of Range

1,2,4-Trichlorobenzene

Response Ratio



$$\text{Response} = 8.701\text{e-}001 * \text{Amt} - 7.615\text{e-}002$$

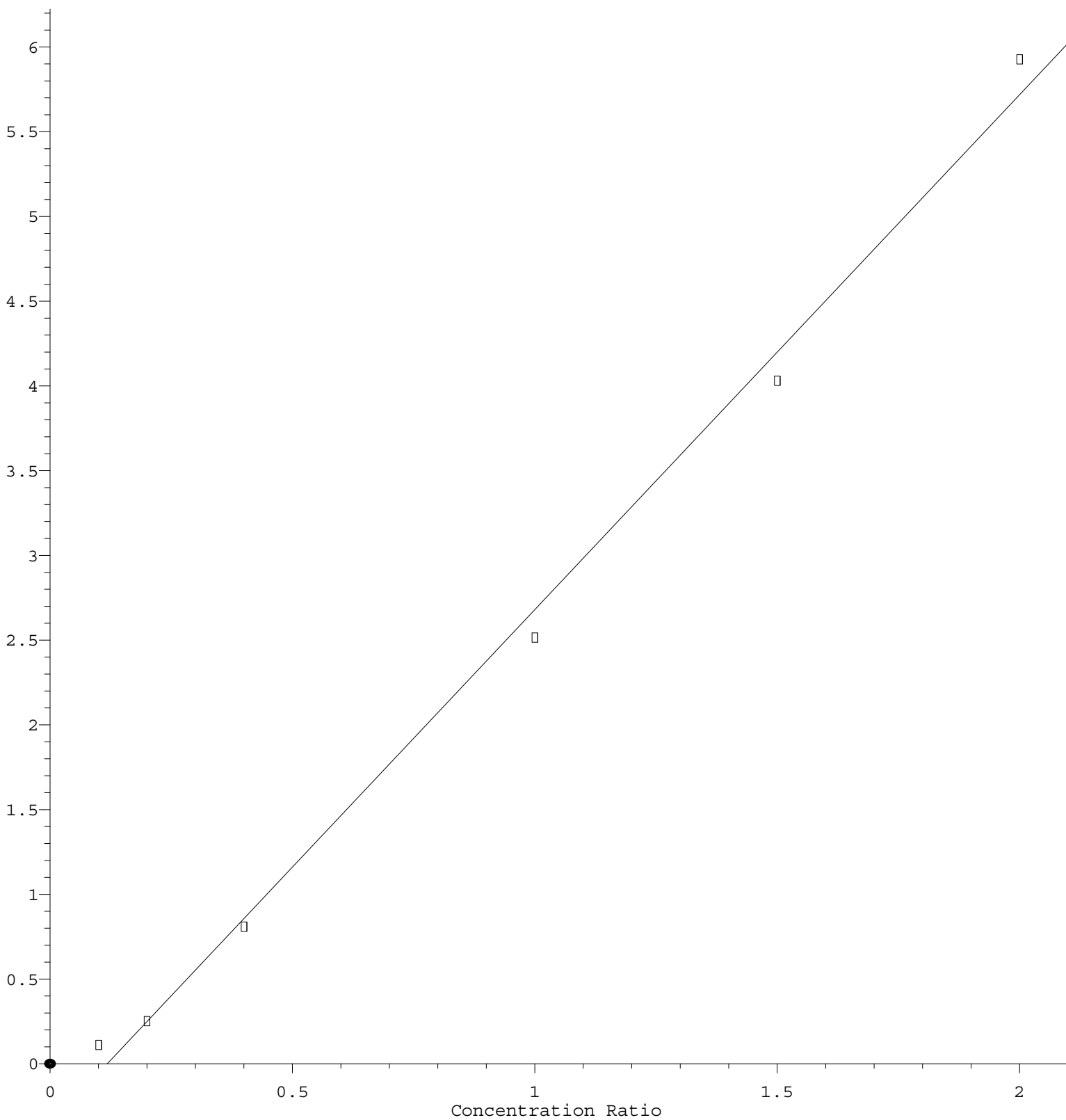
Coef of Det (r^2) = 0.997739 Curve Fit: Linear

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Naphthalene

Response Ratio



$$\text{Response} = 3.039\text{e}+000 * \text{Amt} - 3.595\text{e}-001$$

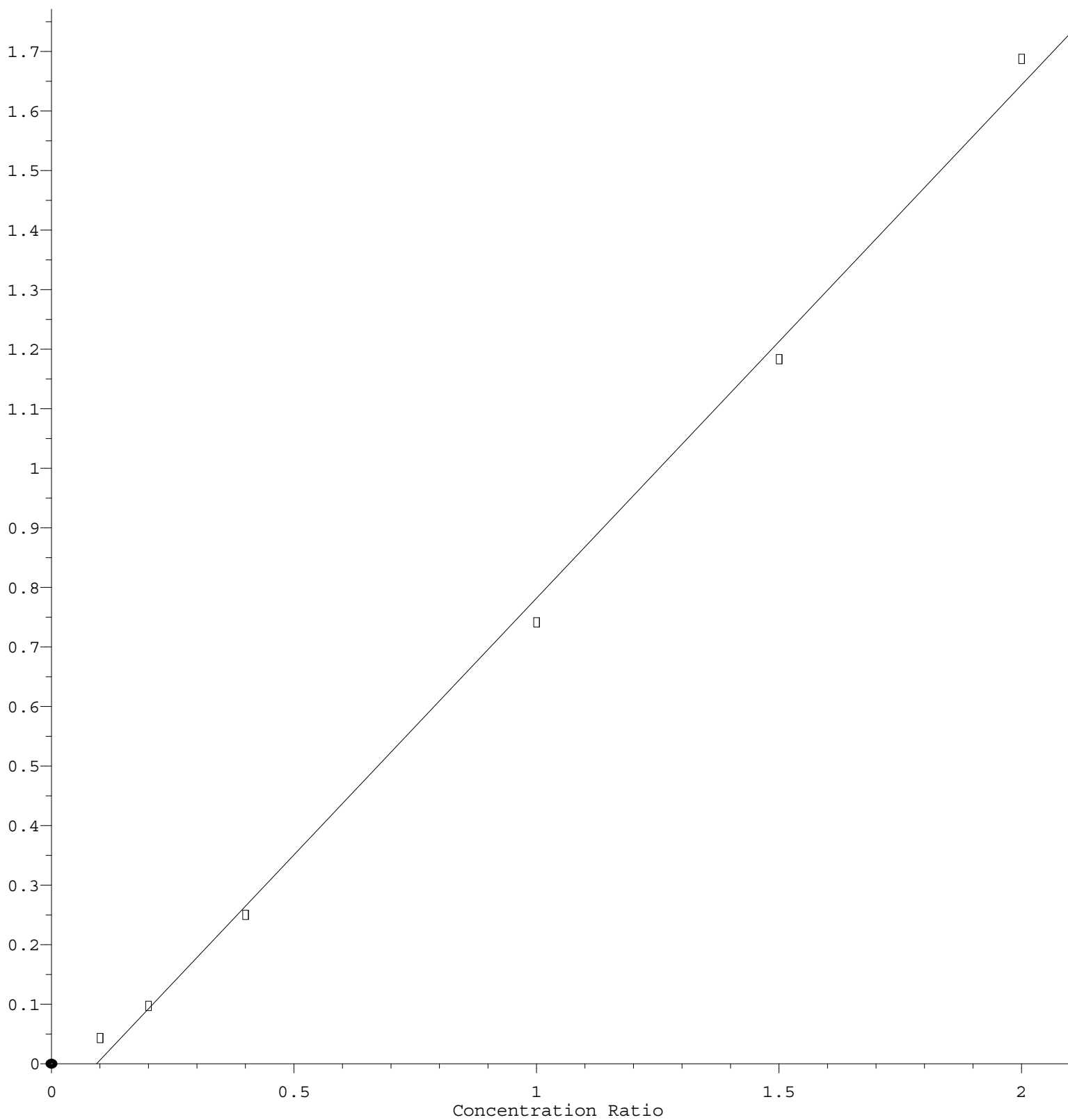
Coef of Det (r^2) = 0.995293 Curve Fit: Linear

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1,2,3-Trichlorobenzene

Response Ratio



$$\text{Response} = 8.621\text{e-}001 * \text{Amt} - 8.014\text{e-}002$$

Coef of Det (r^2) = 0.997255 Curve Fit: Linear

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