

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N102622W.M
 Title : SW846 8260
 Last Update : Thu Oct 27 09:48:49 2022
 Response Via : Continuing Calibration

Calibration Files

5 =VN075016.D 10 =VN075017.D 20 =VN075018.D 50 =VN075019.D 75 =VN075020.D 100 =VN075021.D

	Compound	5	10	20	50	75	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.603	0.676	0.680	0.633	0.656	0.655	0.650	4.44
3) P	Chloromethane	0.740	0.779	0.782	0.658	0.613	0.574	0.691	12.83
4) C	Vinyl Chloride	1.108	1.060	1.038	0.974	0.897	0.837	0.986	10.49#
5) T	Bromomethane	1.030	0.874	0.818	0.779	0.702	0.644	0.808	16.89
6) T	Chloroethane	0.844	0.779	0.761	0.673	0.611	0.573	0.707	14.90
7) T	Trichlorofluor...	1.131	1.068	1.019	0.981	0.921	0.921	1.007	8.27
8) T	Diethyl Ether	0.402	0.394	0.369	0.361	0.342	0.336	0.367	7.26
9) T	1,1,2-Trichlor...	0.618	0.585	0.572	0.539	0.513	0.509	0.556	7.73
10) T	Methyl Iodide	0.925	0.851	0.860	0.782	0.776	0.774	0.828	7.36
11) T	Tert butyl alc...	0.192	0.159	0.161	0.143	0.143	0.146	0.157	11.92
12) CM	1,1-Dichloroet...	0.583	0.542	0.552	0.514	0.497	0.493	0.530	6.61#
13) T	Acrolein	0.146	0.123	0.138	0.122	0.121	0.121	0.129	8.40
14) T	Allyl chloride	0.916	0.816	0.818	0.778	0.668	0.649	0.774	13.00
15) T	Acrylonitrile	0.362	0.327	0.348	0.320	0.314	0.320	0.332	5.66
16) T	Acetone	0.338	0.301	0.303	0.263	0.251	0.256	0.285	12.01
17) T	Carbon Disulfide	1.450	1.333	1.361	1.319	1.265	1.271	1.333	5.10
18) T	Methyl Acetate	1.009	0.960	1.003	0.894	0.865	0.861	0.932	7.23
19) T	Methyl tert-bu...	2.123	1.947	1.990	1.939	1.903	1.918	1.970	4.08
20) T	Methylene Chlo...	0.736	0.668	0.662	0.604	0.578	0.568	0.636	10.14
21) T	trans-1,2-Dich...	0.638	0.584	0.567	0.559	0.559	0.574	0.580	5.14
22) T	Diisopropyl ether	1.809	1.737	1.733	1.691	1.652	1.627	1.708	3.86
23) T	Vinyl Acetate	1.505	1.403	1.461	1.430	1.382	1.377	1.427	3.48
24) P	1,1-Dichloroet...	1.214	1.100	1.096	1.046	1.015	1.010	1.080	7.04
25) T	2-Butanone	0.488	0.449	0.480	0.428	0.422	0.426	0.449	6.41
26) T	2,2-Dichloropr...	1.122	0.983	1.000	0.967	0.954	0.937	0.994	6.69
27) T	cis-1,2-Dichlo...	0.738	0.718	0.676	0.677	0.667	0.682	0.693	4.05
28) T	Bromochloromet...	0.460	0.491	0.464	0.452	0.434	0.431	0.455	4.86
29) T	Tetrahydrofuran	0.301	0.284	0.304	0.285	0.279	0.286	0.290	3.48
30) C	Chloroform	1.298	1.154	1.165	1.154	1.148	1.119	1.173	5.40#
31) T	Cyclohexane	1.255	1.055	0.985	0.965	0.891	0.862	1.002	14.14
32) T	1,1,1-Trichlor...	1.133	1.026	1.055	1.062	1.049	1.067	1.065	3.40
33) S	1,2-Dichloroet...	0.733	0.695	0.682	0.642	0.650	0.639	0.674	5.47
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.304	0.305	0.281	0.284	0.286	0.300	0.294	3.65
36) T	1,1-Dichloropr...	0.470	0.448	0.465	0.449	0.444	0.450	0.454	2.33
37) T	Ethyl Acetate	0.603	0.497	0.500	0.463	0.459	0.468	0.498	10.84
38) T	Carbon Tetrach...	0.512	0.483	0.493	0.503	0.498	0.510	0.500	2.16
39) T	Methylcyclohexane	0.624	0.581	0.607	0.597	0.599	0.591	0.600	2.46
40) TM	Benzene	1.493	1.370	1.418	1.365	1.349	1.352	1.391	4.00
41) T	Methacrylonitrile	0.259	0.234	0.240	0.236	0.228	0.236	0.239	4.40
42) TM	1,2-Dichloroet...	0.563	0.522	0.522	0.494	0.469	0.467	0.506	7.30
43) T	Isopropyl Acetate	0.827	0.746	0.818	0.763	0.738	0.746	0.773	5.08
44) TM	Trichloroethene	0.389	0.341	0.353	0.334	0.338	0.339	0.349	5.89
45) C	1,2-Dichloropr...	0.344	0.335	0.337	0.333	0.321	0.317	0.331	3.13#
46) T	Dibromomethane	0.283	0.252	0.264	0.249	0.248	0.252	0.258	5.28
47) T	Bromodichlorom...	0.559	0.489	0.491	0.489	0.484	0.485	0.500	5.84
48) T	Methyl methacr...	0.381	0.372	0.371	0.337	0.330	0.336	0.355	6.31
49) T	1,4-Dioxane	0.009	0.009	0.010	0.009	0.009	0.010	0.009	6.01
50) S	Toluene-d8	1.113	1.141	1.093	1.120	1.164	1.202	1.139	3.46
51) T	4-Methyl-2-Pen...	0.529	0.494	0.523	0.485	0.477	0.484	0.499	4.36
52) CM	Toluene	0.940	0.878	0.909	0.959	0.942	0.953	0.930	3.31#
53) T	t-1,3-Dichloro...	0.502	0.481	0.525	0.549	0.549	0.558	0.527	5.82
54) T	cis-1,3-Dichlo...	0.566	0.524	0.560	0.568	0.566	0.572	0.559	3.20
55) T	1,1,2-Trichlor...	0.397	0.359	0.355	0.370	0.363	0.370	0.369	4.13
56) T	Ethyl methacry...	0.537	0.543	0.564	0.578	0.574	0.579	0.563	3.27

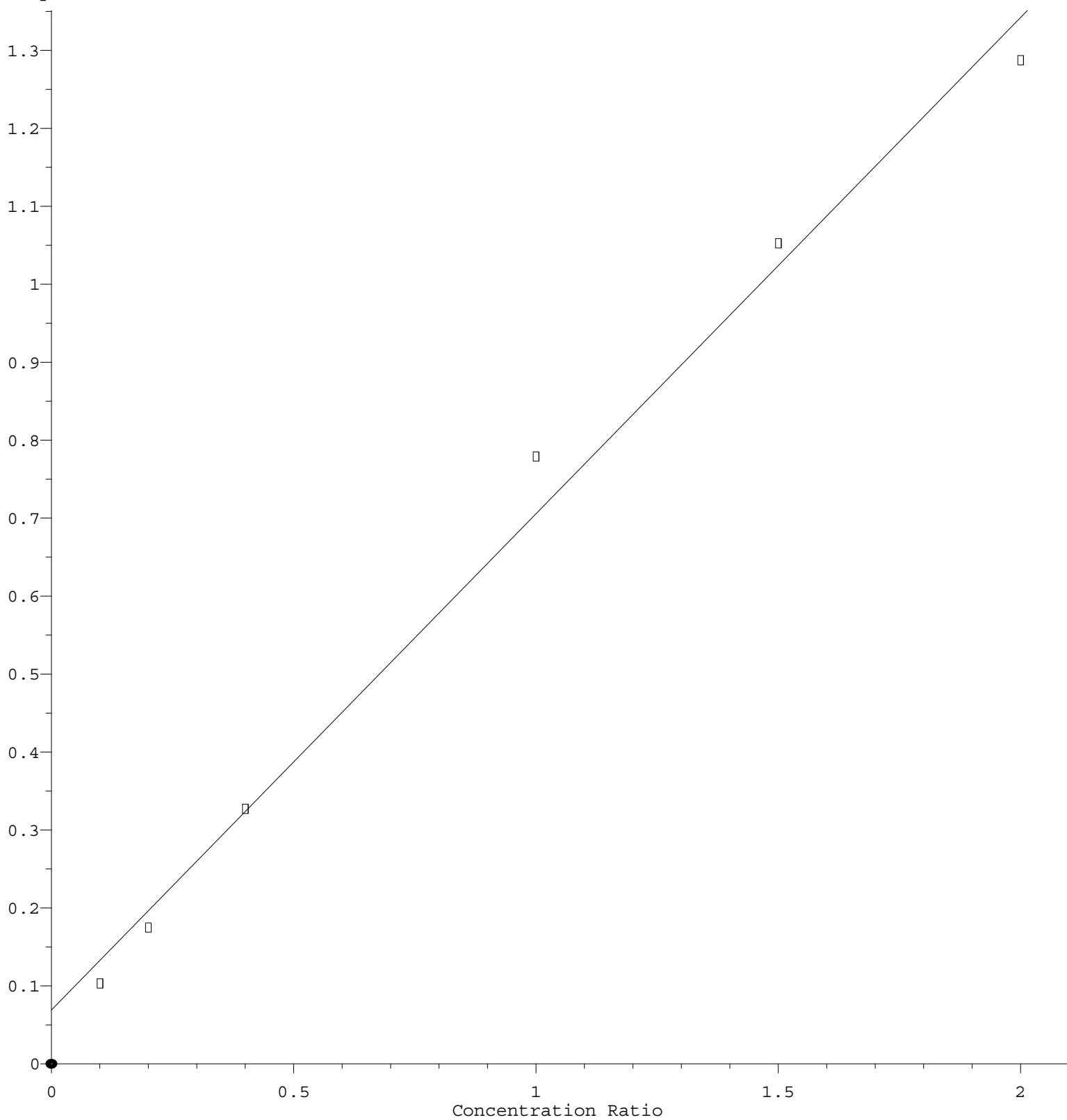
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57)	T	1,3-Dichloropr...	0.649	0.608	0.613	0.610	0.602	0.604	0.614	2.85
58)	T	2-Chloroethyl ...	0.194	0.216	0.217	0.228	0.221	0.229	0.217	5.92
59)	T	2-Hexanone	0.396	0.368	0.397	0.370	0.367	0.374	0.379	3.80
60)	T	Dibromochlorom...	0.371	0.355	0.374	0.403	0.410	0.422	0.389	6.75
61)	T	1,2-Dibromoethane	0.382	0.340	0.374	0.389	0.390	0.393	0.378	5.24
62)	S	4-Bromofluorob...	0.367	0.356	0.373	0.414	0.439	0.451	0.400	9.97
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.343	0.309	0.313	0.291	0.287	0.296	0.307	6.66
65)	PM	Chlorobenzene	1.150	1.049	1.057	1.040	1.056	1.051	1.067	3.83
66)	T	1,1,1,2-Tetrac...	0.426	0.382	0.386	0.392	0.394	0.395	0.396	3.88
67)	C	Ethyl Benzene	1.954	1.885	1.910	1.936	1.920	1.915	1.920	1.23#
68)	T	m/p-Xylenes	0.762	0.710	0.768	0.798	0.795	0.788	0.770	4.27
69)	T	o-Xylene	0.773	0.727	0.745	0.768	0.785	0.774	0.762	2.86
70)	T	Styrene	1.131	1.090	1.211	1.259	1.298	1.300	1.215	7.24
71)	P	Bromoform	0.266	0.255	0.278	0.301	0.328	0.350	0.296	12.44
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.522	4.269	4.054	3.857	3.684	3.698	4.014	8.32
74)	T	N-amyl acetate	1.737	1.628	1.575	1.387	1.302	1.279	1.485	12.70
75)	P	1,1,2,2-Tetrac...	1.611	1.435	1.380	1.199	1.122	1.110	1.309	15.21
76)	T	1,2,3-Trichlor...	1.250	1.129	1.067	1.061	0.998	0.865	1.062	12.11
77)	T	Bromobenzene	1.009	0.959	0.873	0.829	0.802	0.832	0.884	9.30
78)	T	n-propylbenzene	4.897	4.692	4.652	4.398	4.214	4.187	4.507	6.33
79)	T	2-Chlorotoluene	3.147	2.898	2.885	2.649	2.496	2.448	2.754	9.79
80)	T	1,3,5-Trimethy...	3.649	3.465	3.422	3.329	3.229	3.136	3.371	5.39
81)	T	trans-1,4-Dich...	0.427	0.380	0.407	0.404	0.427	0.437	0.414	5.04
82)	T	4-Chlorotoluene	3.147	2.898	2.885	2.649	2.496	2.448	2.754	9.79
83)	T	tert-Butylbenzene	3.301	3.127	3.068	2.911	2.809	2.759	2.996	6.90
84)	T	1,2,4-Trimethy...	3.646	3.443	3.543	3.370	3.272	3.192	3.411	4.96
85)	T	sec-Butylbenzene	4.400	4.298	4.283	4.162	4.038	3.963	4.191	3.99
86)	T	p-Isopropyltol...	3.365	3.383	3.583	3.506	3.492	3.438	3.461	2.37
87)	T	1,3-Dichlorobe...	1.845	1.735	1.694	1.694	1.706	1.709	1.731	3.35
88)	T	1,4-Dichlorobe...	1.861	1.700	1.709	1.667	1.664	1.675	1.713	4.36
89)	T	n-Butylbenzene	2.720	2.674	2.790	2.872	2.826	2.842	2.787	2.74
90)	T	Hexachloroethane	0.684	0.645	0.634	0.627	0.606	0.611	0.635	4.47
91)	T	1,2-Dichlorobe...	1.879	1.753	1.699	1.678	1.647	1.666	1.720	4.97
92)	T	1,2-Dibromo-3-...	0.308	0.282	0.274	0.261	0.247	0.252	0.271	8.31
93)	T	1,2,4-Trichlor...	0.746	0.724	0.695	0.757	0.741	0.780	0.740	3.92
94)	T	Hexachlorobuta...	0.423	0.364	0.367	0.338	0.335	0.339	0.361	9.19
95)	T	Naphthalene	2.861	2.733	2.786	2.921	2.792	2.989	2.847	3.37
96)	T	1,2,3-Trichlor...	0.729	0.744	0.721	0.735	0.727	0.757	0.736	1.79

(#) = Out of Range

Bromomethane

Response Ratio



$$\text{Response} = 6.370\text{e-}001 * \text{Amt} + 6.858\text{e-}002$$

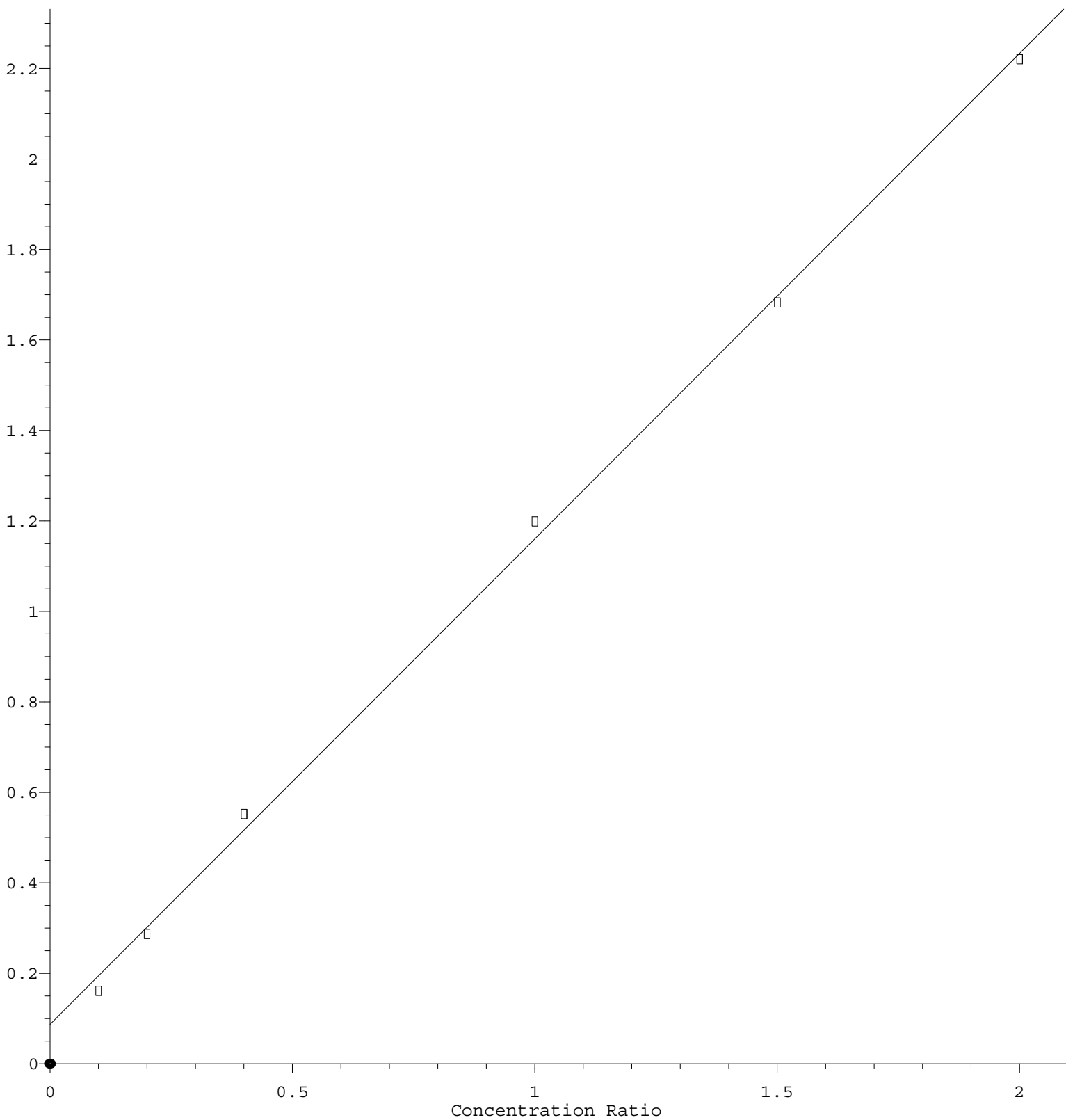
Coef of Det (r^2) = 0.991263 Curve Fit: Linear

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1,1,2,2-Tetrachloroethane

Response Ratio



$$\text{Response} = 1.073\text{e}+000 * \text{Amt} + 8.686\text{e}-002$$

Coef of Det (r^2) = 0.998690 Curve Fit: Linear

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