

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N100523W.M
 Title : SW846 8260
 Last Update : Fri Oct 06 03:34:49 2023
 Response Via : Initial Calibration

Calibration Files

1 =VN079430.D 5 =VN079429.D 10 =VN079428.D 20 =VN079427.D 50 =VN079426.D 100 =VN079424.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.694	0.599	0.781	0.745	0.748	0.732	0.716	8.94
3) P	Chloromethane	0.989	0.867	0.937	0.876	0.872	0.823	0.894	6.63
4) C	Vinyl Chloride	0.926	0.875	0.989	0.922	0.934	0.934	0.930	3.94#
5) T	Bromomethane		0.654	0.594	0.554	0.517	0.463	0.557	13.04
6) T	Chloroethane	0.819	0.775	0.683	0.691	0.640	0.599	0.701	11.74
7) T	Trichlorofluor...	1.195	1.073	1.106	1.078	1.069	1.066	1.098	4.51
8) T	Diethyl Ether	0.376	0.398	0.395	0.377	0.403	0.400	0.391	3.03
9) T	1,1,2-Trichlor...	0.783	0.621	0.630	0.611	0.597	0.608	0.642	10.94
10) T	Methyl Iodide		0.423	0.498	0.531	0.639	0.694	0.557	19.58
11) T	Tert butyl alc...		0.142	0.120	0.115	0.120	0.113	0.122	9.65
12) CM	1,1-Dichloroet...	0.607	0.613	0.574	0.577	0.586	0.587	0.591	2.66#
13) T	Acrolein		0.126	0.114	0.118	0.124	0.124	0.121	4.08
14) T	Allyl chloride	0.946	0.985	0.911	1.001	0.937	0.939	0.953	3.52
15) T	Acrylonitrile	0.325	0.357	0.365	0.348	0.365	0.362	0.354	4.33
16) T	Acetone	0.319	0.309	0.320	0.306	0.328	0.348	0.322	4.64
17) T	Carbon Disulfide	2.107	1.802	1.823	1.787	1.772	1.764	1.843	7.13
18) T	Methyl Acetate	1.821	1.666	1.548	1.469	1.504	1.435	1.574	9.23
19) T	Methyl tert-bu...	1.868	1.836	1.890	1.927	2.007	1.989	1.919	3.54
20) T	Methylene Chlo...	1.213	0.828	0.751	0.702	0.696	0.702	0.816	24.67
21) T	trans-1,2-Dich...	0.867	0.650	0.659	0.657	0.652	0.654	0.690	12.59
22) T	Diisopropyl ether	1.914	2.070	2.186	2.189	2.217	2.250	2.138	5.86
23) T	Vinyl Acetate	1.043	1.119	1.156	1.239	1.322	1.335	1.202	9.66
24) P	1,1-Dichloroet...	1.414	1.349	1.286	1.258	1.280	1.263	1.308	4.67
25) T	2-Butanone	0.423	0.476	0.480	0.469	0.505	0.510	0.477	6.53
26) T	2,2-Dichloropr...	1.002	1.002	0.932	0.984	1.024	1.055	1.000	4.12
27) T	cis-1,2-Dichlo...	0.764	0.763	0.737	0.727	0.743	0.763	0.750	2.15
28) T	Bromochloromet...	0.664	0.596	0.633	0.611	0.650	0.582	0.622	5.11
29) T	Tetrahydrofuran	0.283	0.304	0.301	0.309	0.328	0.326	0.309	5.48
30) C	Chloroform	1.436	1.348	1.303	1.257	1.285	1.302	1.322	4.77#
31) T	Cyclohexane		1.328	1.154	1.095	1.077	1.095	1.150	9.02
32) T	1,1,1-Trichlor...	1.148	1.122	1.124	1.075	1.101	1.106	1.112	2.22
33) S	1,2-Dichloroet...		0.896	0.844	0.745	0.787	0.782	0.811	7.31
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.396	0.360	0.340	0.348	0.352	0.359	6.12
36) T	1,1-Dichloropr...	0.524	0.524	0.523	0.543	0.555	0.566	0.539	3.43
37) T	Ethyl Acetate	0.468	0.527	0.536	0.538	0.574	0.575	0.537	7.32
38) T	Carbon Tetrach...	0.560	0.533	0.535	0.519	0.545	0.546	0.540	2.59
39) T	Methylcyclohexane	0.470	0.483	0.489	0.508	0.562	0.597	0.518	9.68
40) TM	Benzene	1.588	1.582	1.585	1.574	1.622	1.659	1.602	2.04
41) T	Methacrylonitrile	0.227	0.265	0.300	0.277	0.308	0.317	0.282	11.86
42) TM	1,2-Dichloroet...	0.632	0.575	0.566	0.561	0.576	0.581	0.582	4.42
43) T	Isopropyl Acetate	0.974	0.944	0.956	0.886	0.941	0.940	0.940	3.13
44) TM	Trichloroethene	0.380	0.381	0.380	0.364	0.374	0.382	0.377	1.82
45) C	1,2-Dichloropr...	0.414	0.439	0.417	0.409	0.420	0.434	0.422	2.78#
46) T	Dibromomethane	0.261	0.266	0.273	0.272	0.282	0.287	0.273	3.59
47) T	Bromodichlorom...	0.565	0.544	0.560	0.541	0.578	0.586	0.562	3.19
48) T	Methyl methacr...	0.402	0.360	0.368	0.393	0.439	0.455	0.403	9.37
49) T	1,4-Dioxane	0.005	0.007	0.008	0.008	0.008	0.008	0.007	14.81
50) S	Toluene-d8		1.295	1.283	1.228	1.340	1.354	1.300	3.84
51) T	4-Methyl-2-Pen...	0.430	0.514	0.532	0.537	0.578	0.593	0.531	10.87
52) CM	Toluene	0.826	0.896	0.949	0.940	1.006	1.040	0.943	8.14#
53) T	t-1,3-Dichloro...	0.507	0.531	0.541	0.561	0.612	0.647	0.567	9.35
54) T	cis-1,3-Dichlo...	0.548	0.587	0.615	0.611	0.669	0.690	0.620	8.43
55) T	1,1,2-Trichlor...	0.378	0.370	0.380	0.363	0.386	0.393	0.378	2.79
56) T	Ethyl methacry...	0.378	0.467	0.514	0.514	0.610	0.637	0.520	18.21

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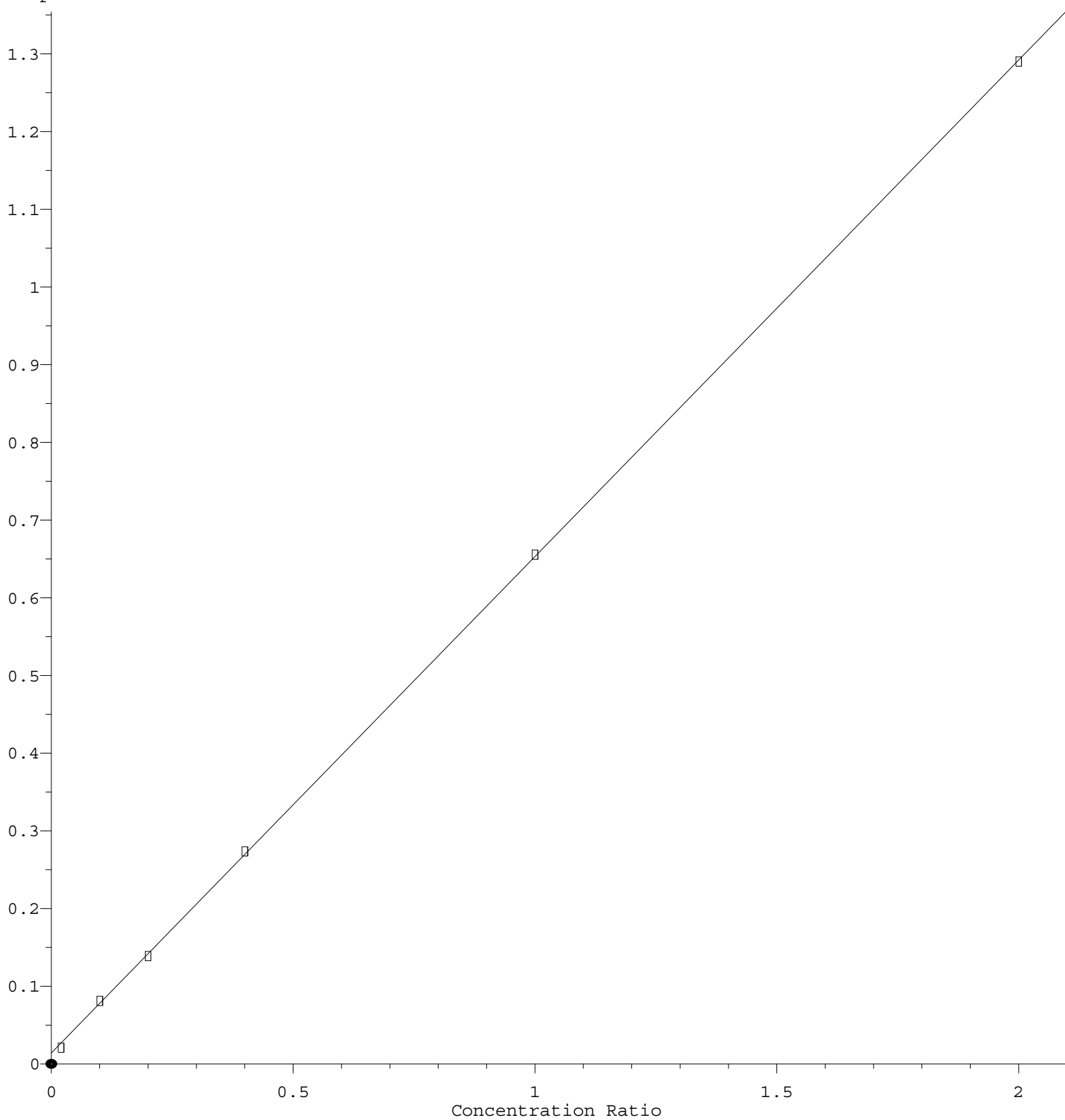
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57)	T	1,3-Dichloropr...	0.585	0.639	0.665	0.646	0.681	0.704	0.654	6.25
58)	T	2-Chloroethyl ...	0.146	0.177	0.193	0.205	0.228	0.245	0.199	17.76
59)	T	2-Hexanone	0.295	0.363	0.372	0.388	0.433	0.447	0.383	14.29
60)	T	Dibromochlorom...	0.319	0.380	0.387	0.376	0.403	0.417	0.380	8.89
61)	T	1,2-Dibromoethane	0.348	0.376	0.371	0.373	0.385	0.401	0.376	4.64
62)	S	4-Bromofluorob...	0.352	0.390	0.384	0.441	0.519	0.417		15.62
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.374	0.349	0.352	0.330	0.333	0.326	0.344	5.25
65)	PM	Chlorobenzene	1.160	1.146	1.093	1.083	1.095	1.104	1.114	2.84
66)	T	1,1,1,2-Tetrac...	0.401	0.416	0.410	0.400	0.407	0.412	0.408	1.51
67)	C	Ethyl Benzene	1.805	1.825	1.853	1.905	2.083	2.142	1.935	7.36#
68)	T	m/p-Xylenes	0.529	0.663	0.714	0.718	0.765	0.830	0.703	14.51
69)	T	o-Xylene	0.584	0.626	0.675	0.694	0.742	0.829	0.692	12.57
70)	T	Styrene	0.798	0.966	1.006	1.133	1.246	1.406	1.092	19.77
71)	P	Bromoform	0.292	0.270	0.287	0.288	0.301	0.352	0.298	9.42
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	5.224	4.719	4.502	4.462	4.397	4.605	4.652	6.51
74)	T	N-amyl acetate	1.900	1.981	1.788	1.856	1.936	1.982	1.907	3.98
75)	P	1,1,2,2-Tetrac...	2.633	2.055	1.659	1.583	1.463	1.491	1.814	25.06
76)	T	1,2,3-Trichlor...	1.194	1.773	1.586	1.387	1.343	1.367	1.442	14.22
77)	T	Bromobenzene	1.382	1.263	1.107	1.030	1.008	1.054	1.141	13.12
78)	T	n-propylbenzene	5.246	5.244	5.092	5.209	5.236	5.551	5.263	2.91
79)	T	2-Chlorotoluene	3.915	3.476	3.258	3.246	3.062	3.249	3.368	8.87
80)	T	1,3,5-Trimethy...	3.357	3.740	3.626	3.716	3.628	3.941	3.668	5.21
81)	T	trans-1,4-Dich...	0.535	0.532	0.445	0.470	0.502	0.497		7.88
82)	T	4-Chlorotoluene	3.256	3.216	3.205	3.123	3.072	3.355	3.205	3.11
83)	T	tert-Butylbenzene	2.827	3.069	2.971	2.933	3.002	3.229	3.005	4.52
84)	T	1,2,4-Trimethy...	3.216	3.528	3.500	3.647	3.570	3.543	3.501	4.23
85)	T	sec-Butylbenzene	3.883	4.541	4.171	4.200	4.203	4.153	4.192	4.99
86)	T	p-Isopropyltol...	2.859	3.155	3.237	3.313	3.370	3.361	3.216	5.99
87)	T	1,3-Dichlorobe...	1.987	1.819	1.774	1.747	1.787	1.740	1.809	5.09
88)	T	1,4-Dichlorobe...	2.252	1.980	1.787	1.738	1.758	1.693	1.868	11.40
89)	T	n-Butylbenzene	2.105	2.551	2.452	2.618	2.826	2.857	2.568	10.75
90)	T	Hexachloroethane	1.046	0.811	0.694	0.684	0.655	0.645	0.756	20.40
91)	T	1,2-Dichlorobe...	1.849	1.839	1.723	1.778	1.748	1.650	1.765	4.23
92)	T	1,2-Dibromo-3-...	0.315	0.268	0.280	0.256	0.255	0.240	0.269	9.77
93)	T	1,2,4-Trichlor...	0.502	0.411	0.481	0.574	0.653	0.659	0.547	18.15
94)	T	Hexachlorobuta...	0.467	0.476	0.433	0.412	0.395	0.372	0.426	9.61
95)	T	Naphthalene	1.760	1.250	1.385	1.616	1.963	2.039	1.669	18.77
96)	T	1,2,3-Trichlor...	0.745	0.540	0.596	0.652	0.701	0.679	0.652	11.37

(#) = Out of Range

Hexachloroethane

Response Ratio



$$\text{Response} = 6.392\text{e-}001 * \text{Amt} + 1.365\text{e-}002$$

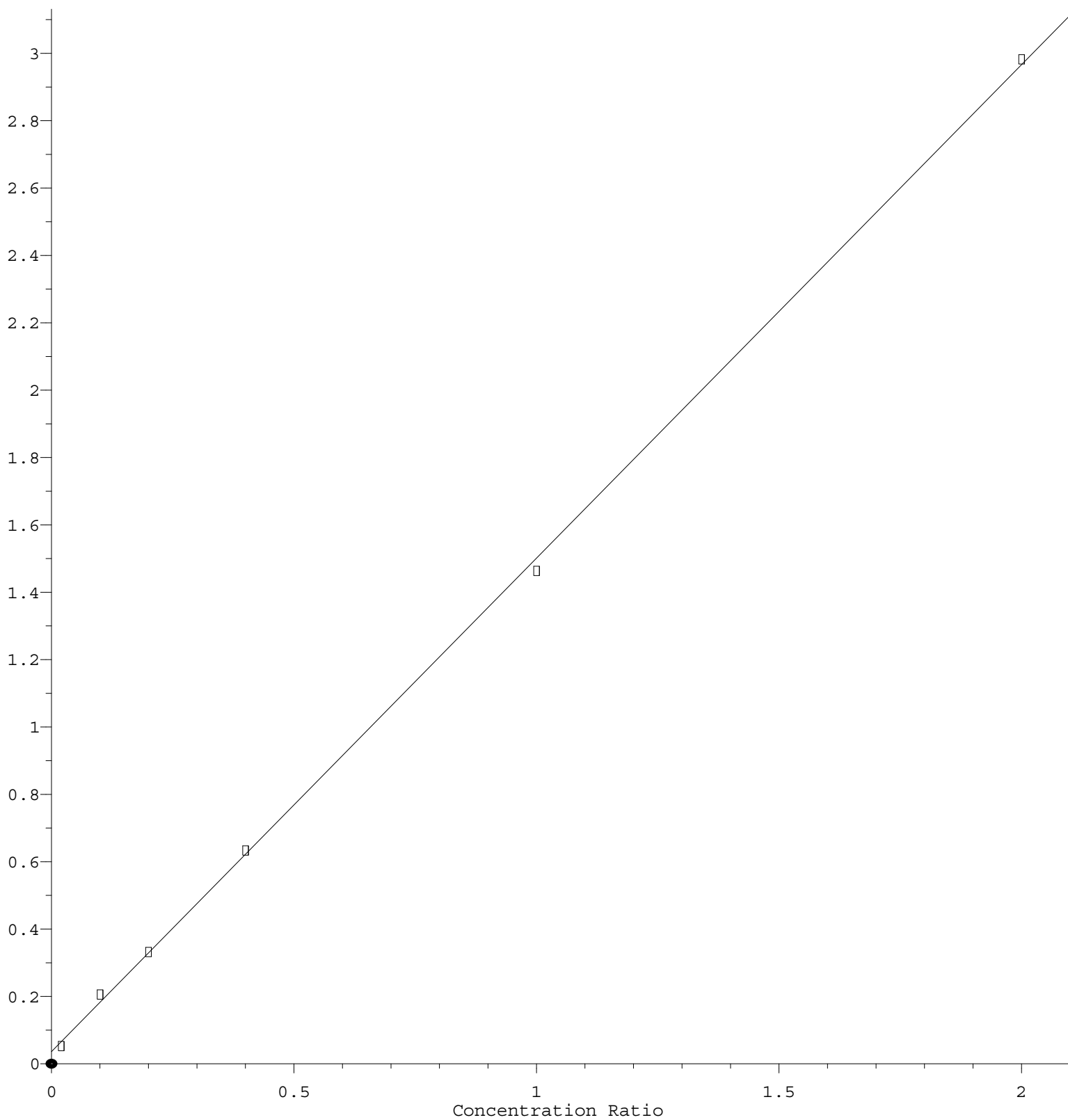
Coef of Det (r^2) = 0.999935 Curve Fit: Linear

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Calibration Table Last Updated: Fri Oct 06 03:34:49 2023

1,1,2,2-Tetrachloroethane

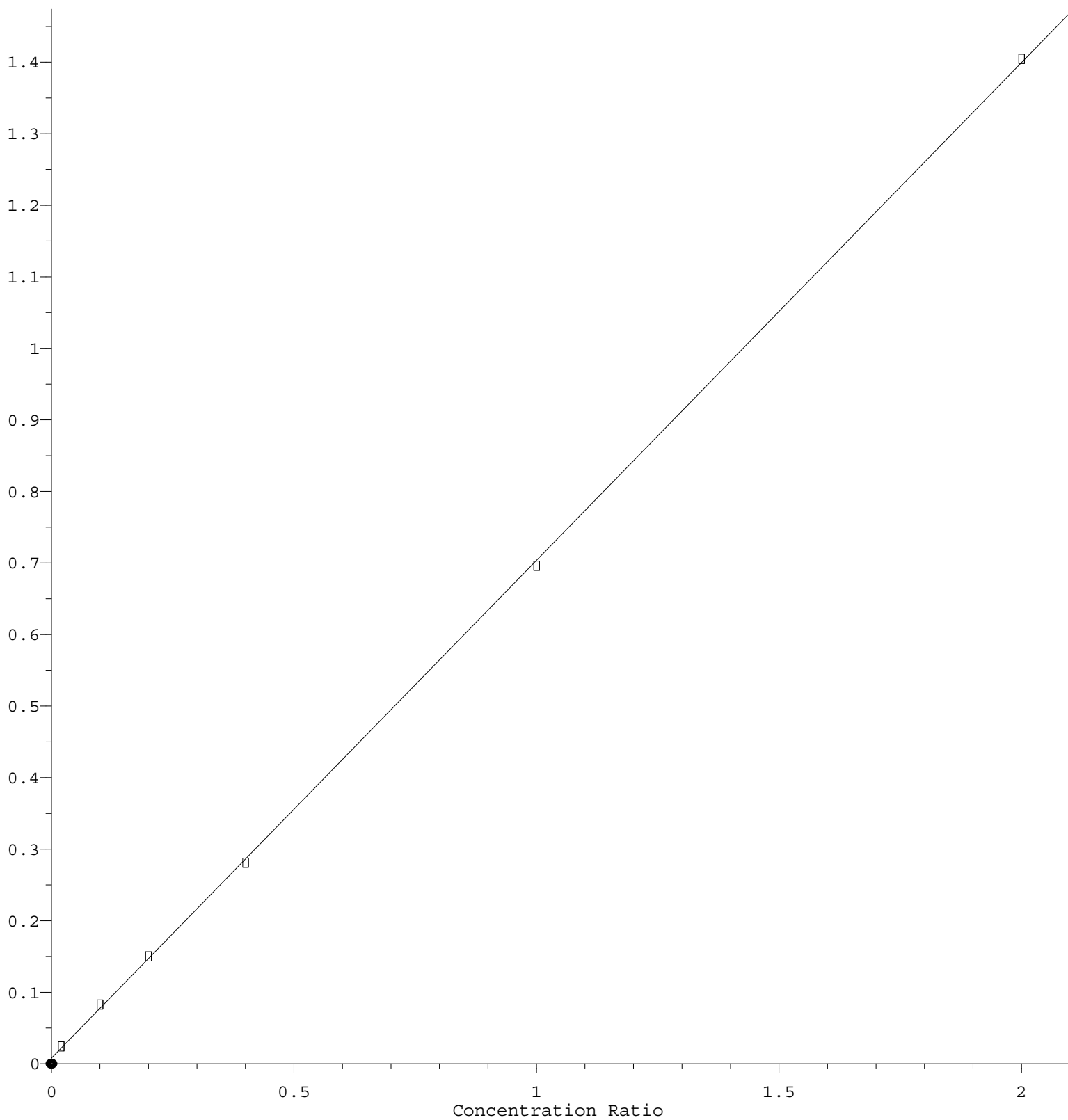
Response Ratio



Response = 1.465e+000 * Amt + 3.648e-002
 Coef of Det (r^2) = 0.999596 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N100523W.M
 Calibration Table Last Updated: Fri Oct 06 03:34:49 2023

Methylene Chloride

Response Ratio



$$\text{Response} = 6.957\text{e-}001 * \text{Amt} + 8.480\text{e-}003$$

Coef of Det (r^2) = 0.999890 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N100523W.M

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