

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N060623W.M
 Title : SW846 8260
 Last Update : Wed Jun 07 05:05:00 2023
 Response Via : Initial Calibration

Calibration Files

1 =VN078084.D 5 =VN078083.D 40 =VN078081.D 20 =VN078082.D 50 =VN078080.D 100 =VN078079.D

	Compound	1	5	40	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.699	0.631	0.523	0.525	0.516	0.496	0.565	14.29
3) P	Chloromethane	0.850	0.629	0.558	0.565	0.549	0.514	0.611	20.16
4) C	Vinyl Chloride	0.869	0.775	0.706	0.736	0.690	0.664	0.740	10.01#
5) T	Bromomethane		0.693	0.536	0.551	0.522	0.495	0.559	13.83
6) T	Chloroethane	0.627	0.520	0.469	0.488	0.464	0.460	0.505	12.64
7) T	Trichlorofluor...	1.201	1.038	0.953	0.981	0.930	0.918	1.004	10.53
8) T	Diethyl Ether	0.414	0.377	0.328	0.339	0.335	0.324	0.353	10.06
9) T	1,1,2-Trichlor...	0.588	0.577	0.500	0.521	0.496	0.496	0.530	7.94
10) T	Methyl Iodide		0.765	0.753	0.729	0.761	0.737	0.749	2.05
11) T	Tert butyl alc...		0.103	0.091	0.094	0.088	0.085	0.092	7.67
12) CM	1,1-Dichloroet...	0.660	0.556	0.511	0.530	0.516	0.503	0.546	10.80#
13) T	Acrolein		0.125	0.097	0.098	0.095	0.092	0.101	13.23
14) T	Allyl chloride	0.701	0.707	0.694	0.628	0.642	0.627	0.667	5.68
15) T	Acrylonitrile	0.243	0.244	0.234	0.235	0.237	0.231	0.237	2.21
16) T	Acetone	0.235	0.199	0.183	0.184	0.176	0.174	0.192	11.99
17) T	Carbon Disulfide	1.697	1.449	1.317	1.347	1.320	1.302	1.405	10.86
18) T	Methyl Acetate	1.110	0.867	0.834	0.854	0.825	0.811	0.883	12.78
19) T	Methyl tert-bu...	1.815	1.764	1.719	1.735	1.725	1.695	1.742	2.42
20) T	Methylene Chlo...	0.776	0.684	0.587	0.601	0.588	0.570	0.634	12.65
21) T	trans-1,2-Dich...	0.648	0.610	0.566	0.585	0.570	0.554	0.589	5.93
22) T	Diisopropyl ether	1.668	1.549	1.551	1.551	1.560	1.527	1.568	3.21
23) T	Vinyl Acetate	0.916	0.910	0.947	0.933	0.947	0.938	0.932	1.67
24) P	1,1-Dichloroet...	1.114	1.065	1.017	1.002	1.010	0.998	1.034	4.45
25) T	2-Butanone	0.293	0.302	0.300	0.295	0.295	0.286	0.295	1.91
26) T	2,2-Dichloropr...	0.789	0.738	0.761	0.743	0.773	0.778	0.764	2.65
27) T	cis-1,2-Dichlo...	0.828	0.713	0.668	0.677	0.671	0.657	0.702	9.19
28) T	Bromochloromet...	0.494	0.484	0.470	0.446	0.470	0.485	0.475	3.55
29) T	Tetrahydrofuran	0.216	0.186	0.197	0.196	0.197	0.190	0.197	5.15
30) C	Chloroform	1.206	1.093	1.118	1.093	1.098	1.075	1.114	4.23#
31) T	Cyclohexane		1.011	0.810	0.867	0.799	0.789	0.855	10.77
32) T	1,1,1-Trichlor...	0.926	0.998	0.980	0.999	0.992	0.971	0.978	2.82
33) S	1,2-Dichloroet...		0.687	0.642	0.666	0.667	0.672	0.667	2.43
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.322	0.309	0.312	0.318	0.319	0.316	1.68
36) T	1,1-Dichloropr...	0.450	0.473	0.455	0.448	0.450	0.445	0.453	2.19
37) T	Ethyl Acetate	0.360	0.365	0.359	0.351	0.352	0.339	0.354	2.55
38) T	Carbon Tetrach...	0.494	0.483	0.490	0.455	0.476	0.474	0.479	2.92
39) T	Methylcyclohexane	0.482	0.481	0.472	0.462	0.460	0.463	0.470	2.11
40) TM	Benzene	1.381	1.376	1.367	1.333	1.352	1.313	1.354	1.96
41) T	Methacrylonitrile	0.219	0.202	0.179	0.188	0.182	0.183	0.192	8.10
42) TM	1,2-Dichloroet...	0.507	0.467	0.465	0.455	0.452	0.439	0.464	4.97
43) T	Isopropyl Acetate	0.816	0.746	0.636	0.628	0.628	0.611	0.677	12.31
44) TM	Trichloroethene	0.389	0.359	0.352	0.350	0.350	0.344	0.358	4.51
45) C	1,2-Dichloropr...	0.341	0.342	0.342	0.335	0.333	0.327	0.337	1.81#
46) T	Dibromomethane	0.275	0.251	0.245	0.241	0.241	0.236	0.248	5.61
47) T	Bromodichlorom...	0.424	0.457	0.476	0.462	0.476	0.471	0.461	4.29
48) T	Methyl methacr...	0.277	0.294	0.293	0.266	0.289	0.288	0.284	3.85
49) T	1,4-Dioxane	0.007	0.006	0.006	0.006	0.006	0.006	0.006	9.28
50) S	Toluene-d8		1.242	1.213	1.178	1.228	1.233	1.219	2.06
51) T	4-Methyl-2-Pen...	0.361	0.352	0.363	0.354	0.362	0.348	0.357	1.78
52) CM	Toluene	0.874	0.856	0.866	0.835	0.863	0.834	0.855	1.98#
53) T	t-1,3-Dichloro...	0.461	0.442	0.500	0.468	0.508	0.501	0.480	5.55
54) T	cis-1,3-Dichlo...	0.506	0.527	0.539	0.517	0.548	0.546	0.531	3.14
55) T	1,1,2-Trichlor...	0.281	0.342	0.336	0.323	0.333	0.325	0.323	6.74
56) T	Ethyl methacry...	0.418	0.468	0.491	0.462	0.498	0.487	0.471	6.18

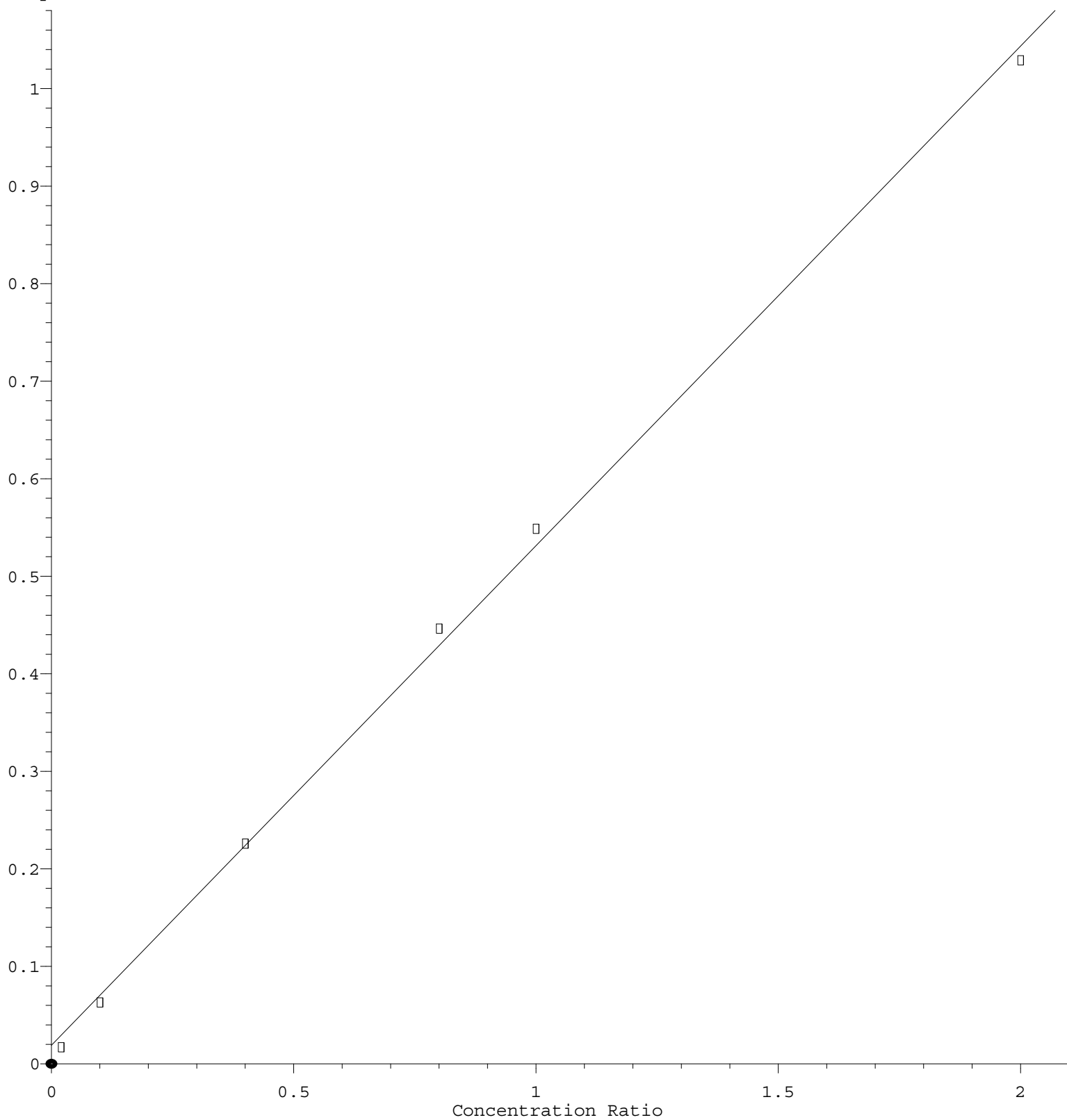
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N060623W.M

57)	T	1,3-Dichloropr...	0.516	0.557	0.564	0.535	0.557	0.546	0.546	3.26
58)	T	2-Chloroethyl ...	0.155	0.184	0.201	0.190	0.200	0.211	0.190	10.29
59)	T	2-Hexanone	0.234	0.245	0.262	0.245	0.257	0.248	0.248	4.07
60)	T	Dibromochlorom...	0.343	0.336	0.368	0.345	0.367	0.364	0.354	4.00
61)	T	1,2-Dibromoethane	0.341	0.336	0.347	0.328	0.346	0.337	0.339	2.05
62)	S	4-Bromofluorob...	0.352	0.384	0.365	0.393	0.402	0.379		5.43
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.390	0.352	0.321	0.321	0.309	0.309	0.334	9.54
65)	PM	Chlorobenzene	1.146	1.101	1.043	1.043	1.061	1.030	1.071	4.16
66)	T	1,1,1,2-Tetrac...	0.409	0.392	0.387	0.386	0.399	0.390	0.394	2.21
67)	C	Ethyl Benzene	1.804	1.904	1.860	1.849	1.851	1.818	1.848	1.89#
68)	T	m/p-Xylenes	0.690	0.712	0.713	0.698	0.713	0.699	0.704	1.38
69)	T	o-Xylene	0.645	0.723	0.700	0.690	0.701	0.690	0.691	3.75
70)	T	Styrene	1.007	1.044	1.123	1.085	1.150	1.122	1.089	4.98
71)	P	Bromoform	0.233	0.243	0.265	0.248	0.270	0.266	0.254	5.84
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	5.338	5.541	4.365	4.547	4.379	4.199	4.728	11.96
74)	T	N-amyl acetate	1.788	1.652	1.479	1.510	1.487	1.427	1.557	8.74
75)	P	1,1,2,2-Tetrac...	1.816	1.799	1.354	1.421	1.365	1.246	1.500	16.32
76)	T	1,2,3-Trichlor...	1.416	1.165	1.097	1.296	1.085	1.033	1.182	12.37
77)	T	Bromobenzene	1.175	1.246	1.051	1.085	1.046	0.984	1.098	8.73
78)	T	n-propylbenzene	5.614	5.814	4.856	4.942	4.869	4.727	5.137	8.89
79)	T	2-Chlorotoluene	4.039	3.781	3.043	3.133	2.982	2.919	3.316	14.24
80)	T	1,3,5-Trimethy...	4.322	4.446	3.582	3.715	3.523	3.380	3.828	11.64
81)	T	trans-1,4-Dich...	0.418	0.375	0.364	0.378	0.389	0.385		5.36
82)	T	4-Chlorotoluene	3.552	3.443	2.870	2.922	2.964	2.817	3.095	10.27
83)	T	tert-Butylbenzene	3.830	3.903	3.089	3.163	3.045	2.935	3.328	12.76
84)	T	1,2,4-Trimethy...	3.886	4.339	3.564	3.617	3.520	3.342	3.711	9.55
85)	T	sec-Butylbenzene	4.820	5.074	4.053	4.228	4.058	3.899	4.355	10.95
86)	T	p-Isopropyltol...	3.654	4.097	3.417	3.442	3.380	3.216	3.534	8.75
87)	T	1,3-Dichlorobe...	2.153	2.011	1.760	1.743	1.779	1.693	1.857	9.84
88)	T	1,4-Dichlorobe...	2.057	1.904	1.701	1.725	1.720	1.642	1.791	8.76
89)	T	n-Butylbenzene	2.931	3.248	2.672	2.694	2.655	2.525	2.788	9.37
90)	T	Hexachloroethane	0.688	0.708	0.584	0.593	0.605	0.586	0.627	8.88
91)	T	1,2-Dichlorobe...	2.000	1.997	1.714	1.767	1.750	1.659	1.814	8.10
92)	T	1,2-Dibromo-3-...	0.241	0.249	0.233	0.234	0.228	0.220	0.234	4.25
93)	T	1,2,4-Trichlor...	0.560	0.602	0.684	0.641	0.703	0.689	0.646	8.70
94)	T	Hexachlorobuta...	0.479	0.455	0.336	0.361	0.320	0.305	0.376	19.48
95)	T	Naphthalene	1.982	1.983	2.244	2.118	2.342	2.378	2.175	7.99
96)	T	1,2,3-Trichlor...	0.766	0.699	0.719	0.715	0.726	0.713	0.723	3.16

(#) = Out of Range

Chloromethane

Response Ratio



$$\text{Response} = 5.123\text{e-}001 * \text{Amt} + 1.940\text{e-}002$$

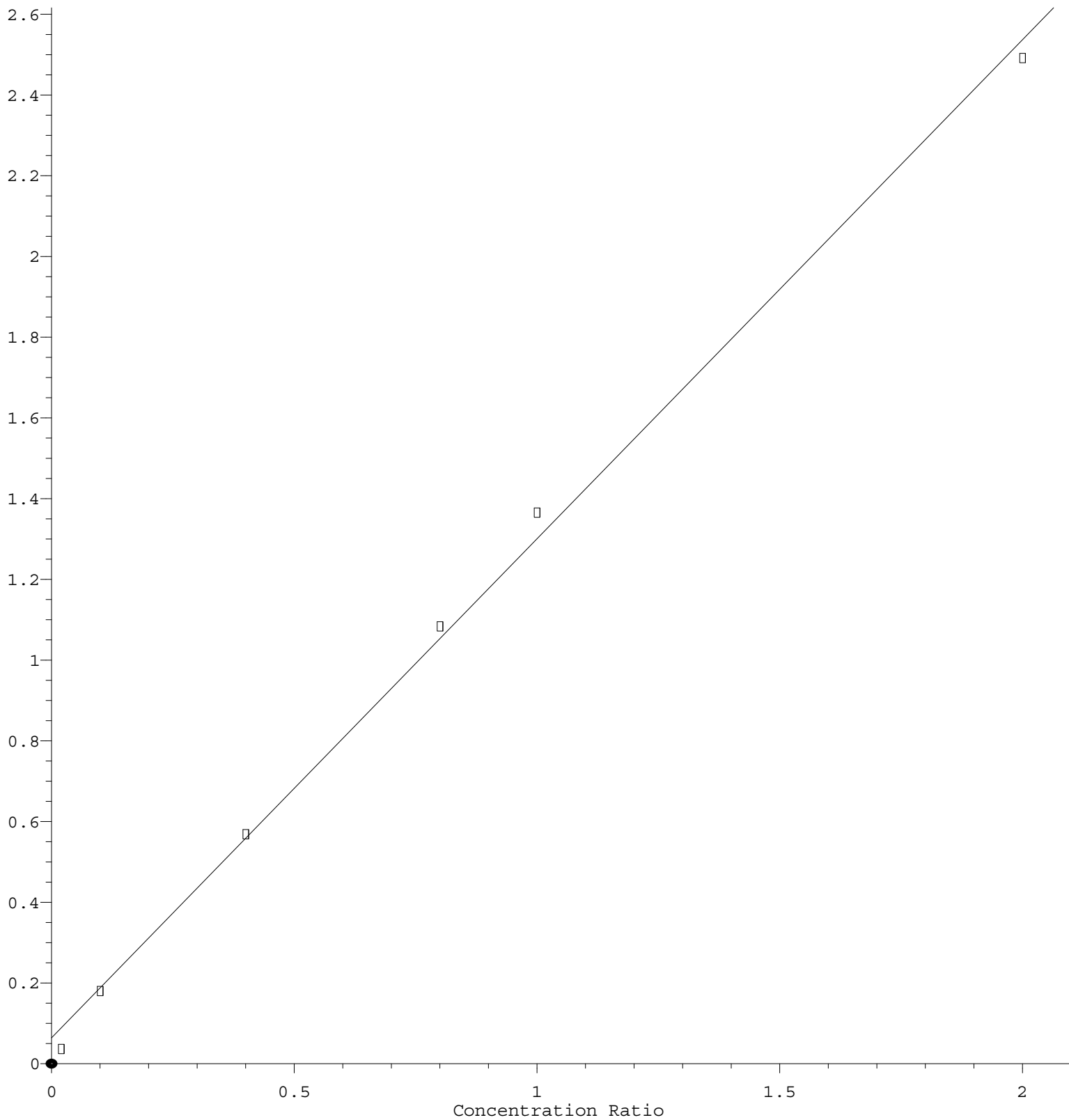
Coef of Det (r^2) = 0.998557 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N060623W.M

Calibration Table Last Updated: Wed Jun 07 05:05:00 2023

1,1,2,2-Tetrachloroethane

Response Ratio



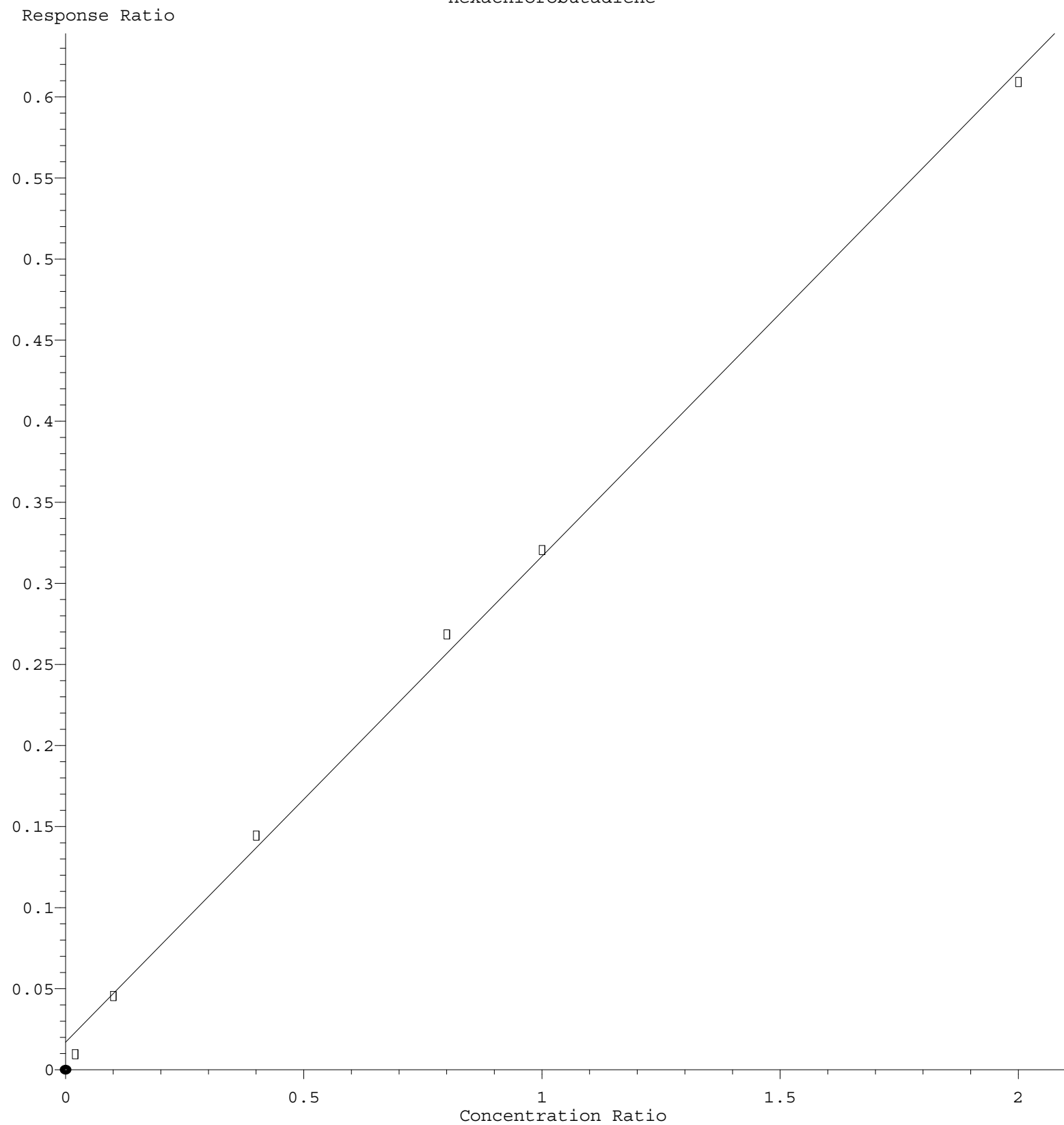
$$\text{Response} = 1.237\text{e}+000 * \text{Amt} + 6.365\text{e}-002$$

Coef of Det (r^2) = 0.997568 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N060623W.M

Calibration Table Last Updated: Wed Jun 07 05:05:00 2023

Hexachlorobutadiene



Response = $2.999\text{e-}001 * \text{Amt} + 1.698\text{e-}002$
Coef of Det (r^2) = 0.998177 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N060623W.M
Calibration Table Last Updated: Wed Jun 07 05:05:00 2023