

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N110123W.M
 Title : SW846 8260
 Last Update : Thu Nov 02 05:49:08 2023
 Response Via : Initial Calibration

Calibration Files

1 =VN079766.D 5 =VN079765.D 10 =VN079767.D 20 =VN079763.D 50 =VN079762.D 100 =VN079761.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.534	0.595	0.638	0.620	0.615	0.613	0.602	6.03
3) P	Chloromethane	1.068	0.891	0.803	0.795	0.746	0.716	0.837	15.34
4) C	Vinyl Chloride	0.789	0.792	0.778	0.782	0.792	0.797	0.788	0.91#
5) T	Bromomethane		0.499	0.515	0.490	0.455	0.436	0.479	6.79
6) T	Chloroethane	0.742	0.543	0.628	0.532	0.595	0.698	0.623	13.53
7) T	Trichlorofluor...	0.949	1.007	0.995	0.969	0.969	0.995	0.981	2.23
8) T	Diethyl Ether	0.327	0.401	0.363	0.370	0.381	0.391	0.372	6.96
9) T	1,1,2-Trichlor...	0.606	0.573	0.577	0.535	0.550	0.569	0.568	4.33
10) T	Methyl Iodide		0.643	0.570	0.668	0.686	0.679	0.649	7.26
11) T	Tert butyl alc...		0.111	0.094	0.099	0.093	0.090	0.097	8.58
12) CM	1,1-Dichloroet...	0.526	0.542	0.539	0.529	0.544	0.549	0.538	1.62#
13) T	Acrolein		0.097	0.083	0.080	0.077	0.060	0.080	16.68
14) T	Allyl chloride	0.640	0.948	0.800	0.876	0.812	0.870	0.824	12.71
15) T	Acrylonitrile	0.311	0.308	0.298	0.298	0.298	0.305	0.303	1.95
16) T	Acetone	0.316	0.264	0.265	0.245	0.250	0.265	0.268	9.44
17) T	Carbon Disulfide	1.695	1.610	1.477	1.489	1.506	1.537	1.552	5.45
18) T	Methyl Acetate	1.482	1.293	1.226	1.223	1.208	1.249	1.280	8.05
19) T	Methyl tert-bu...	1.798	1.855	1.795	1.836	1.885	1.948	1.853	3.12
20) T	Methylene Chlo...	0.760	0.708	0.664	0.634	0.637	0.648	0.675	7.33
21) T	trans-1,2-Dich...	0.597	0.630	0.593	0.582	0.588	0.611	0.600	2.89
22) T	Diisopropyl ether	1.674	1.856	1.945	1.959	1.985	2.043	1.910	6.84
23) T	Vinyl Acetate	0.887	1.027	1.043	1.083	1.114	1.168	1.054	9.12
24) P	1,1-Dichloroet...	1.144	1.178	1.175	1.141	1.146	1.182	1.161	1.65
25) T	2-Butanone	0.347	0.399	0.406	0.388	0.399	0.412	0.392	5.92
26) T	2,2-Dichloropr...	0.902	0.977	0.960	0.949	0.978	0.996	0.960	3.40
27) T	cis-1,2-Dichlo...	0.776	0.706	0.687	0.703	0.706	0.730	0.718	4.37
28) T	Bromochloromet...	0.595	0.553	0.545	0.574	0.565	0.563	0.566	3.15
29) T	Tetrahydrofuran	0.240	0.253	0.257	0.258	0.258	0.263	0.255	3.12
30) C	Chloroform	1.571	1.239	1.203	1.176	1.180	1.199	1.261	12.15#
31) T	Cyclohexane		1.170	1.009	0.937	0.950	0.967	1.007	9.45
32) T	1,1,1-Trichlor...	1.028	1.044	1.037	1.004	1.012	1.041	1.028	1.61
33) S	1,2-Dichloroet...		0.827	0.701	0.767	0.773	0.741	0.762	6.03
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.365	0.329	0.360	0.359	0.356	0.354	3.98
36) T	1,1-Dichloropr...	0.519	0.499	0.495	0.491	0.505	0.522	0.505	2.49
37) T	Ethyl Acetate	0.440	0.450	0.465	0.471	0.474	0.480	0.463	3.26
38) T	Carbon Tetrach...	0.515	0.510	0.508	0.489	0.510	0.523	0.509	2.22
39) T	Methylcyclohexane	0.438	0.463	0.470	0.458	0.503	0.522	0.476	6.48
40) TM	Benzene	1.488	1.549	1.545	1.462	1.489	1.548	1.513	2.54
41) T	Methacrylonitrile	0.212	0.250	0.251	0.260	0.250	0.252	0.246	6.89
42) TM	1,2-Dichloroet...	0.525	0.538	0.542	0.508	0.523	0.536	0.529	2.34
43) T	Isopropyl Acetate	0.855	0.828	0.769	0.781	0.807	0.836	0.813	4.10
44) TM	Trichloroethene	0.398	0.370	0.378	0.357	0.369	0.382	0.376	3.75
45) C	1,2-Dichloropr...	0.363	0.384	0.403	0.375	0.390	0.406	0.387	4.23#
46) T	Dibromomethane	0.249	0.269	0.272	0.255	0.263	0.278	0.264	4.10
47) T	Bromodichlorom...	0.657	0.551	0.546	0.518	0.545	0.562	0.563	8.52
48) T	Methyl methacr...	0.340	0.330	0.337	0.353	0.385	0.393	0.356	7.46
49) T	1,4-Dioxane	0.005	0.006	0.007	0.007	0.006	0.006	0.006	8.77
50) S	Toluene-d8		1.272	1.217	1.328	1.358	1.339	1.303	4.43
51) T	4-Methyl-2-Pen...	0.378	0.463	0.467	0.465	0.478	0.494	0.458	8.91
52) CM	Toluene	0.777	0.902	0.912	0.877	0.940	0.974	0.897	7.53#
53) T	t-1,3-Dichloro...	0.492	0.517	0.534	0.553	0.589	0.628	0.552	9.01
54) T	cis-1,3-Dichlo...	0.479	0.592	0.618	0.607	0.647	0.667	0.602	10.97
55) T	1,1,2-Trichlor...	0.347	0.360	0.359	0.361	0.364	0.374	0.361	2.47
56) T	Ethyl methacry...	0.425	0.463	0.506	0.523	0.567	0.605	0.515	12.83

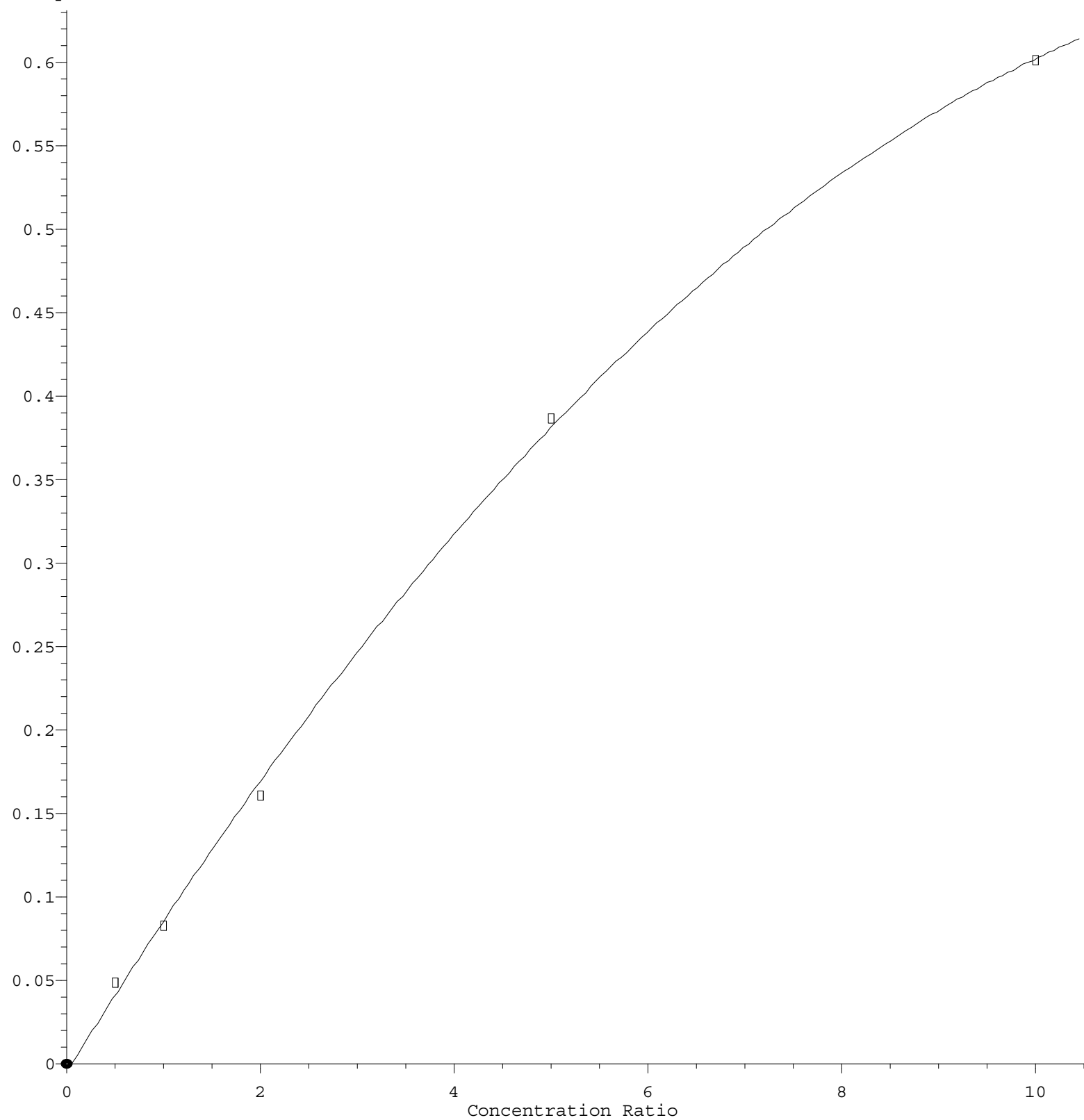
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N110123W.M

57)	T	1,3-Dichloropr...	0.594	0.644	0.640	0.624	0.643	0.671	0.636	4.02
58)	T	2-Chloroethyl ...	0.219	0.243	0.255	0.265	0.285	0.298	0.261	10.99
59)	T	2-Hexanone	0.297	0.330	0.351	0.355	0.364	0.403	0.350	10.13
60)	T	Dibromochlorom...	0.356	0.373	0.382	0.379	0.404	0.423	0.386	6.15
61)	T	1,2-Dibromoethane	0.331	0.358	0.361	0.358	0.374	0.391	0.362	5.41
62)	S	4-Bromofluorob...	0.406	0.371	0.447	0.465	0.471	0.432		9.81
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.320	0.327	0.333	0.319	0.322	0.322	0.324	1.64
65)	PM	Chlorobenzene	1.107	1.093	1.089	1.049	1.074	1.096	1.085	1.90
66)	T	1,1,1,2-Tetrac...	0.384	0.383	0.390	0.381	0.395	0.411	0.391	2.81
67)	C	Ethyl Benzene	1.725	1.853	1.887	1.865	1.981	2.027	1.890	5.61#
68)	T	m/p-Xylenes	0.629	0.701	0.708	0.696	0.735	0.754	0.704	6.08
69)	T	o-Xylene	0.600	0.642	0.693	0.672	0.716	0.745	0.678	7.69
70)	T	Styrene	0.837	1.014	1.078	1.136	1.212	1.258	1.089	13.94
71)	P	Bromoform	0.224	0.277	0.271	0.279	0.301	0.313	0.277	11.04
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.240	3.852	3.938	3.816	3.932	3.991	3.795	7.35
74)	T	N-amyl acetate	1.470	1.727	1.584	1.680	1.733	1.745	1.656	6.58
75)	P	1,1,2,2-Tetrac...	1.390	1.451	1.373	1.282	1.290	1.287	1.345	5.19
76)	T	1,2,3-Trichlor...	1.213	1.219	1.223	1.148	1.128	1.113	1.174	4.27
77)	T	Bromobenzene	0.876	0.958	0.951	0.909	0.930	0.950	0.929	3.40
78)	T	n-propylbenzene	3.631	4.148	4.505	4.399	4.661	4.728	4.346	9.34
79)	T	2-Chlorotoluene	2.658	2.839	2.839	2.707	2.784	2.830	2.776	2.77
80)	T	1,3,5-Trimethy...	2.384	2.911	3.061	2.964	3.163	3.231	2.952	10.26
81)	T	trans-1,4-Dich...	0.411	0.384	0.393	0.479	0.490	0.431		11.47
82)	T	4-Chlorotoluene	2.425	2.907	2.823	2.698	2.835	2.864	2.759	6.45
83)	T	tert-Butylbenzene	1.860	2.401	2.467	2.482	2.612	2.677	2.417	12.02
84)	T	1,2,4-Trimethy...	2.193	2.853	2.932	2.969	3.201	3.280	2.905	13.27
85)	T	sec-Butylbenzene	2.589	3.384	3.436	3.370	3.618	3.694	3.348	11.78
86)	T	p-Isopropyltol...	2.108	2.667	2.652	2.793	3.032	3.126	2.730	13.19
87)	T	1,3-Dichlorobe...	1.703	1.845	1.683	1.660	1.730	1.748	1.728	3.79
88)	T	1,4-Dichlorobe...	1.915	1.784	1.697	1.671	1.723	1.736	1.754	4.98
89)	T	n-Butylbenzene	2.114	2.208	2.213	2.289	2.605	2.678	2.351	9.90
90)	T	Hexachloroethane	0.598	0.525	0.548	0.513	0.521	0.539	0.541	5.68
91)	T	1,2-Dichlorobe...	1.599	1.653	1.624	1.597	1.650	1.666	1.632	1.79
92)	T	1,2-Dibromo-3-...	0.184	0.245	0.221	0.242	0.240	0.238	0.228	10.26
93)	T	1,2,4-Trichlor...	0.808	0.731	0.675	0.769	0.831	0.839	0.776	8.21
94)	T	Hexachlorobuta...	0.395	0.391	0.331	0.327	0.343	0.322	0.352	9.38
95)	T	Naphthalene	2.804	2.552	2.120	2.595	2.830	2.883	2.631	10.78
96)	T	1,2,3-Trichlor...	0.737	0.782	0.687	0.758	0.805	0.794	0.760	5.77

(#) = Out of Range

Acrolein

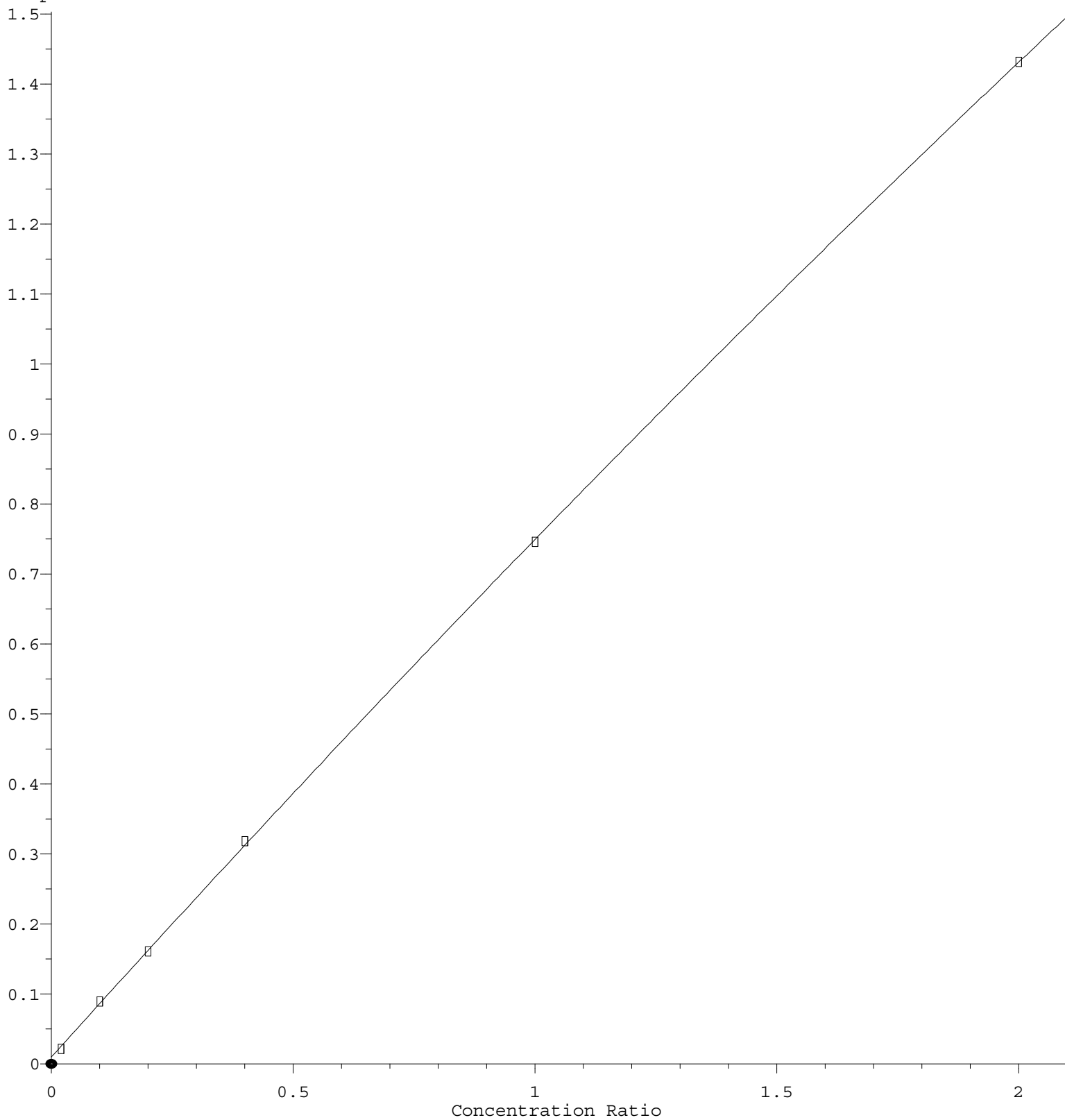
Response Ratio



$R = -3.307e-003 A^2 + 9.377e-002 A - 4.833e-003$
 Coef of Det (r^2) = 0.999231 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N110123W.M
 Calibration Table Last Updated: Thu Nov 02 05:49:08 2023

Chloromethane

Response Ratio



$R = -2.870e-002 A^2 + 7.679e-001 A + 9.942e-003$
Coef of Det (r^2) = 0.999953 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N110123W.M
Calibration Table Last Updated: Thu Nov 02 05:49:08 2023