

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X080124W.M
 Title : SW846 8260
 Last Update : Thu Aug 01 16:40:12 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX042793.D 5 =VX042787.D 20 =VX042788.D 50 =VX042789.D 100 =VX042790.D 150 =VX042791.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.824	0.716	0.697	0.833	0.831	0.853	0.792	8.50
3) P	Chloromethane	0.875	0.621	0.592	0.633	0.619	0.649	0.665	15.74
4) C	Vinyl Chloride	0.695	0.589	0.574	0.621	0.608	0.634	0.620	6.83#
5) T	Bromomethane		0.204	0.185	0.208	0.233	0.239	0.214	10.36
6) T	Chloroethane	0.226	0.215	0.241	0.210	0.228	0.223	0.224	4.92
7) T	Trichlorofluor...	0.869	0.842	0.867	0.913	0.761	0.742	0.832	8.06
8) T	Diethyl Ether	0.379	0.328	0.312	0.294	0.300	0.291	0.317	10.43
9) T	1,1,2-Trichlor...	0.694	0.633	0.607	0.610	0.617	0.606	0.628	5.41
10) T	Methyl Iodide		0.468	0.599	0.652	0.649	0.636	0.601	12.82
11) T	Tert butyl alc...		0.226	0.158	0.139	0.149	0.148	0.164	21.50
12) CM	1,1-Dichloroet...	0.622	0.610	0.608	0.579	0.616	0.616	0.609	2.50#
13) T	Acrolein		0.162	0.157	0.154	0.157	0.154	0.157	2.02
14) T	Allyl chloride	0.755	0.824	0.848	0.762	0.761	0.744	0.782	5.44
15) T	Acrylonitrile	0.311	0.332	0.352	0.325	0.333	0.326	0.330	4.10
16) T	Acetone	0.322	0.305	0.300	0.282	0.286	0.255	0.292	7.91
17) T	Carbon Disulfide	1.556	1.173	1.252	1.320	1.451	1.485	1.373	10.79
18) T	Methyl Acetate	0.610	0.713	0.735	0.797	0.783	0.754	0.732	9.16
19) T	Methyl tert-bu...	1.999	1.946	2.047	2.019	2.061	2.035	2.018	2.04
20) T	Methylene Chlo...	0.945	0.782	0.677	0.678	0.670	0.661	0.735	15.19
21) T	trans-1,2-Dich...	0.692	0.625	0.625	0.603	0.616	0.607	0.628	5.16
22) T	Diisopropyl ether	1.660	1.697	1.806	1.612	1.664	1.623	1.677	4.19
23) T	Vinyl Acetate	1.227	1.427	1.591	1.468	1.536	1.500	1.458	8.68
24) P	1,1-Dichloroet...	1.035	1.114	1.136	1.085	1.110	1.058	1.089	3.49
25) T	2-Butanone	0.393	0.420	0.469	0.417	0.444	0.429	0.429	6.03
26) T	2,2-Dichloropr...	1.005	0.901	0.928	0.892	0.948	0.921	0.932	4.37
27) T	cis-1,2-Dichlo...	0.742	0.721	0.736	0.709	0.748	0.748	0.734	2.12
28) T	Bromochloromet...	0.358	0.480	0.391	0.375	0.367	0.372	0.391	11.61
29) T	Tetrahydrofuran	0.222	0.278	0.293	0.261	0.279	0.268	0.267	9.12
30) C	Chloroform	1.210	1.236	1.248	1.189	1.215	1.171	1.211	2.36#
31) T	Cyclohexane		0.851	0.908	0.864	0.912	0.892	0.885	3.04
32) T	1,1,1-Trichlor...	1.026	1.038	1.066	1.081	1.135	1.108	1.076	3.84
33) S	1,2-Dichloroet...		0.815	0.781	0.789	0.821	0.810	0.803	2.15
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.341	0.324	0.341	0.361	0.359	0.345	4.42
36) T	1,1-Dichloropr...	0.455	0.427	0.441	0.449	0.463	0.452	0.448	2.79
37) T	Ethyl Acetate	0.465	0.398	0.496	0.448	0.475	0.462	0.457	7.20
38) T	Carbon Tetrach...	0.495	0.473	0.496	0.529	0.556	0.548	0.516	6.36
39) T	Methylcyclohexane	0.523	0.517	0.558	0.565	0.610	0.594	0.561	6.61
40) TM	Benzene	1.348	1.397	1.452	1.400	1.442	1.393	1.406	2.69
41) T	Methacrylonitrile	0.187	0.239	0.265	0.242	0.262	0.256	0.242	11.87
42) TM	1,2-Dichloroet...	0.442	0.503	0.532	0.519	0.530	0.520	0.508	6.67
43) T	Isopropyl Acetate	0.633	0.678	0.729	0.711	0.780	0.761	0.715	7.59
44) TM	Trichloroethene	0.400	0.339	0.358	0.360	0.379	0.370	0.368	5.60
45) C	1,2-Dichloropr...	0.252	0.323	0.328	0.324	0.338	0.326	0.315	10.02#
46) T	Dibromomethane	0.264	0.268	0.268	0.265	0.282	0.263	0.268	2.55
47) T	Bromodichlorom...	0.417	0.453	0.491	0.500	0.546	0.530	0.489	9.84
48) T	Methyl methacr...	0.301	0.316	0.370	0.353	0.394	0.375	0.352	10.28
49) T	1,4-Dioxane	0.006	0.007	0.007	0.009	0.009	0.009	0.008	17.01
50) S	Toluene-d8		1.206	1.199	1.263	1.308	1.293	1.254	3.97
51) T	4-Methyl-2-Pen...	0.387	0.469	0.507	0.474	0.520	0.486	0.474	9.84
52) CM	Toluene	0.930	0.876	0.904	0.908	0.945	0.908	0.912	2.61#
53) T	t-1,3-Dichloro...	0.426	0.408	0.462	0.504	0.559	0.550	0.485	13.07
54) T	cis-1,3-Dichlo...	0.411	0.468	0.523	0.540	0.580	0.569	0.515	12.55
55) T	1,1,2-Trichlor...	0.390	0.384	0.352	0.358	0.373	0.354	0.369	4.43
56) T	Ethyl methacry...	0.447	0.460	0.528	0.556	0.623	0.592	0.534	13.21

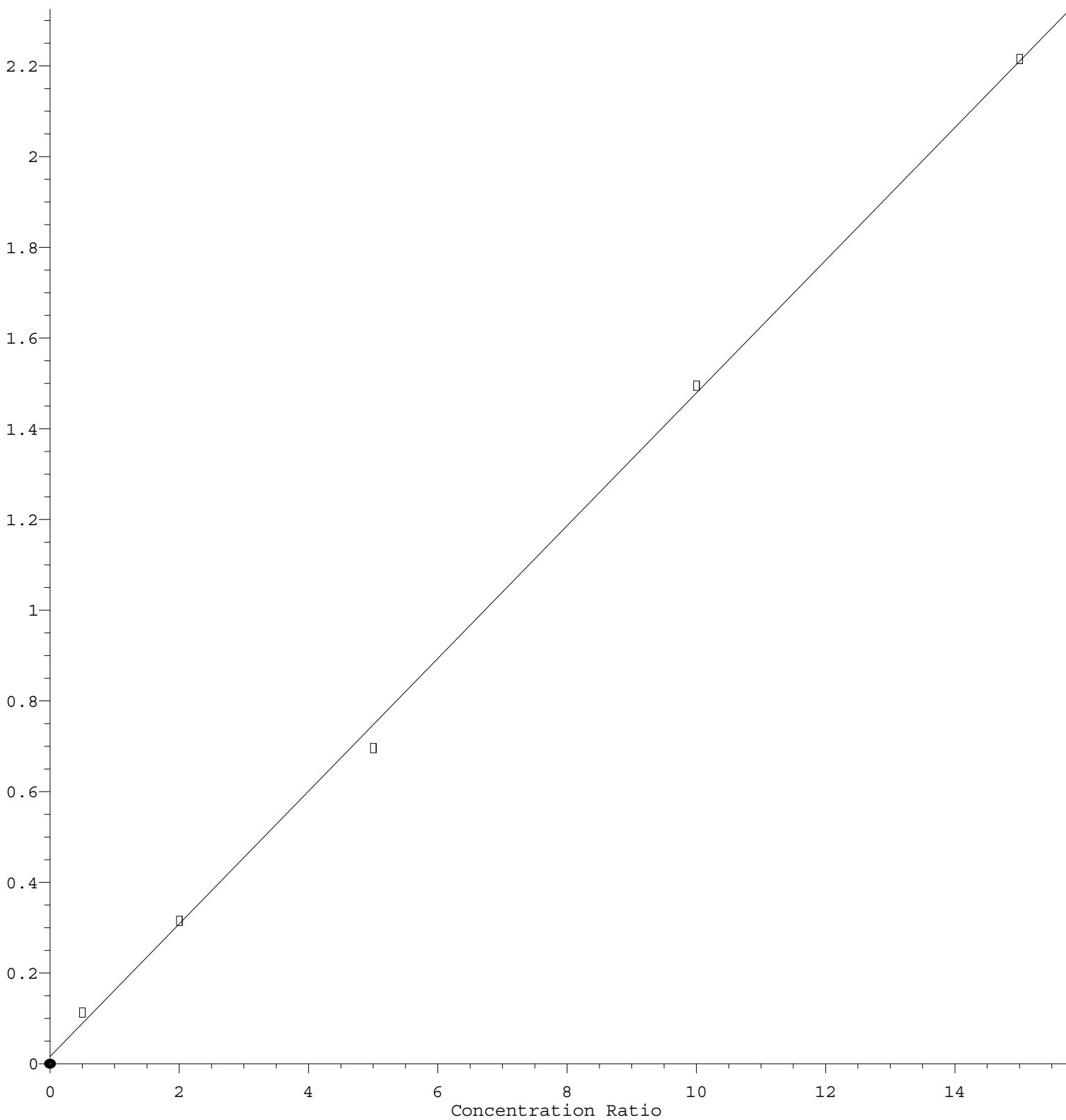
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
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57)	T	1,3-Dichloropr...	0.546	0.565	0.607	0.578	0.613	0.582	0.582	4.38
58)	T	2-Chloroethyl ...	0.207	0.228	0.253	0.257	0.277	0.255	0.246	10.01
59)	T	2-Hexanone	0.316	0.355	0.378	0.367	0.406	0.383	0.367	8.31
60)	T	Dibromochlorom...	0.322	0.314	0.362	0.392	0.429	0.423	0.374	13.19
61)	T	1,2-Dibromoethane	0.303	0.364	0.367	0.376	0.401	0.384	0.366	9.19
62)	S	4-Bromofluorob...		0.385	0.421	0.469	0.501	0.515	0.458	11.94
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.318	0.341	0.367	0.333	0.344	0.330	0.339	4.87
65)	PM	Chlorobenzene	1.050	1.127	1.130	1.081	1.127	1.110	1.104	2.92
66)	T	1,1,1,2-Tetrac...	0.334	0.335	0.366	0.382	0.404	0.392	0.369	7.93
67)	C	Ethyl Benzene	1.730	1.768	1.876	1.870	1.960	1.933	1.856	4.87#
68)	T	m/p-Xylenes	0.662	0.648	0.726	0.713	0.760	0.745	0.709	6.34
69)	T	o-Xylene	0.630	0.668	0.719	0.707	0.749	0.734	0.701	6.36
70)	T	Styrene	1.100	1.052	1.204	1.209	1.278	1.267	1.185	7.67
71)	P	Bromoform	0.247	0.233	0.253	0.283	0.312	0.325	0.276	13.58
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.688	3.660	3.910	3.876	4.025	3.794	3.826	3.64
74)	T	N-amyl acetate	1.268	1.362	1.539	1.460	1.613	1.582	1.471	9.13
75)	P	1,1,2,2-Tetrac...	1.379	1.364	1.332	1.261	1.314	1.271	1.320	3.63
76)	T	1,2,3-Trichlor...	1.211	1.211	1.089	1.211	1.081	1.052	1.143	6.65
77)	T	Bromobenzene	1.006	0.927	0.946	0.936	0.954	0.916	0.947	3.35
78)	T	n-propylbenzene	3.961	3.913	4.324	4.389	4.550	4.456	4.266	6.23
79)	T	2-Chlorotoluene	2.911	2.702	2.797	2.754	2.794	2.698	2.776	2.84
80)	T	1,3,5-Trimethy...	3.212	3.087	3.356	3.339	3.404	3.269	3.278	3.52
81)	T	trans-1,4-Dich...		0.305	0.365	0.388	0.436	0.436	0.386	14.18
82)	T	4-Chlorotoluene	3.233	2.972	3.131	3.132	3.265	3.168	3.150	3.27
83)	T	tert-Butylbenzene	2.888	3.068	3.351	3.334	3.515	3.445	3.267	7.34
84)	T	1,2,4-Trimethy...	2.875	3.046	3.405	3.396	3.505	3.409	3.273	7.66
85)	T	sec-Butylbenzene	3.690	3.836	4.079	4.088	4.201	4.103	3.999	4.85
86)	T	p-Isopropyltol...	3.350	2.966	3.357	3.438	3.578	3.542	3.372	6.52
87)	T	1,3-Dichlorobe...	1.950	1.665	1.723	1.716	1.771	1.776	1.767	5.57
88)	T	1,4-Dichlorobe...	1.980	1.675	1.690	1.706	1.795	1.803	1.775	6.43
89)	T	n-Butylbenzene	2.377	2.373	2.684	2.906	3.111	3.104	2.759	12.19
90)	T	Hexachloroethane	0.626	0.528	0.558	0.584	0.639	0.650	0.597	8.14
91)	T	1,2-Dichlorobe...	1.704	1.764	1.776	1.718	1.764	1.761	1.748	1.69
92)	T	1,2-Dibromo-3-...	0.248	0.262	0.291	0.297	0.332	0.333	0.294	11.92
93)	T	1,2,4-Trichlor...	1.001	0.807	0.948	1.015	1.098	1.152	1.003	12.05
94)	T	Hexachlorobuta...	0.550	0.388	0.402	0.412	0.419	0.444	0.436	13.53
95)	T	Naphthalene	3.907	3.157	3.671	3.856	4.173	4.210	3.829	10.09
96)	T	1,2,3-Trichlor...	1.008	0.868	0.991	1.038	1.133	1.151	1.031	10.03

(#) = Out of Range

Tert butyl alcohol

Response Ratio



$$\text{Response} = 1.463\text{e-}001 * \text{Amt} + 1.587\text{e-}002$$

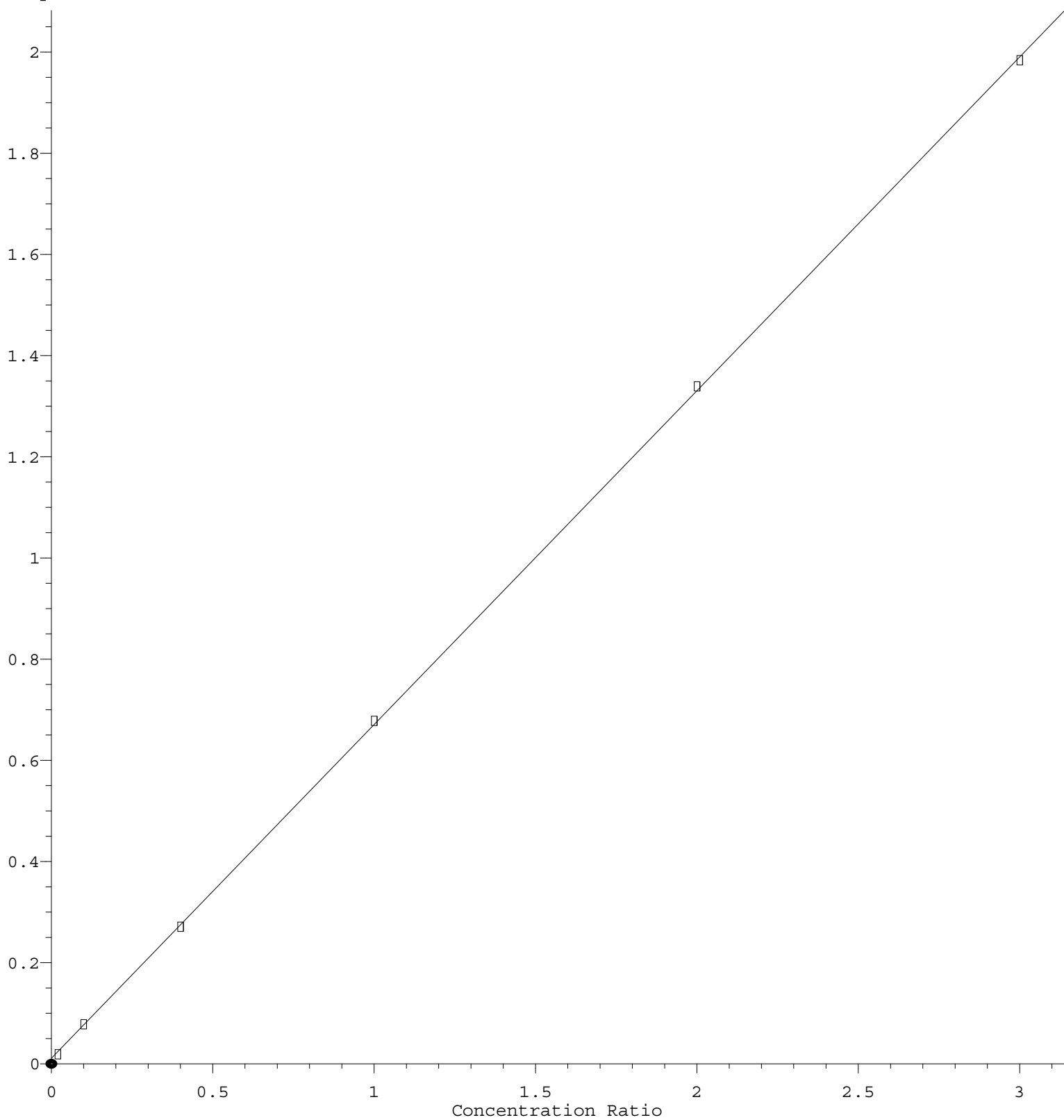
Coef of Det (r^2) = 0.998846 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 6.600\text{e-}001 * \text{Amt} + 1.089\text{e-}002$$

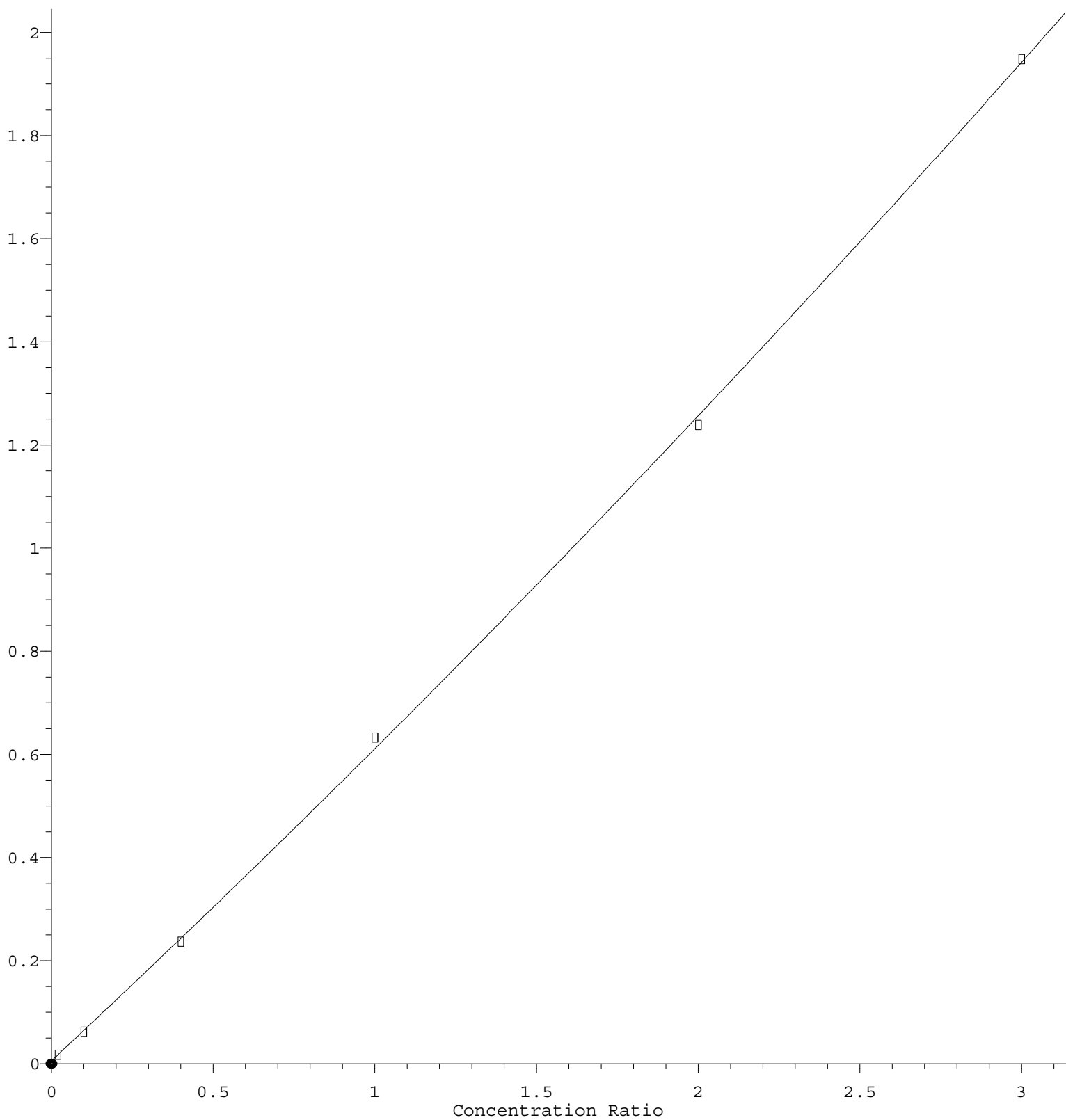
Coef of Det (r^2) = 0.999932 Curve Fit: Linear

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Calibration Table Last Updated: Wed Aug 07 02:00:54 2024

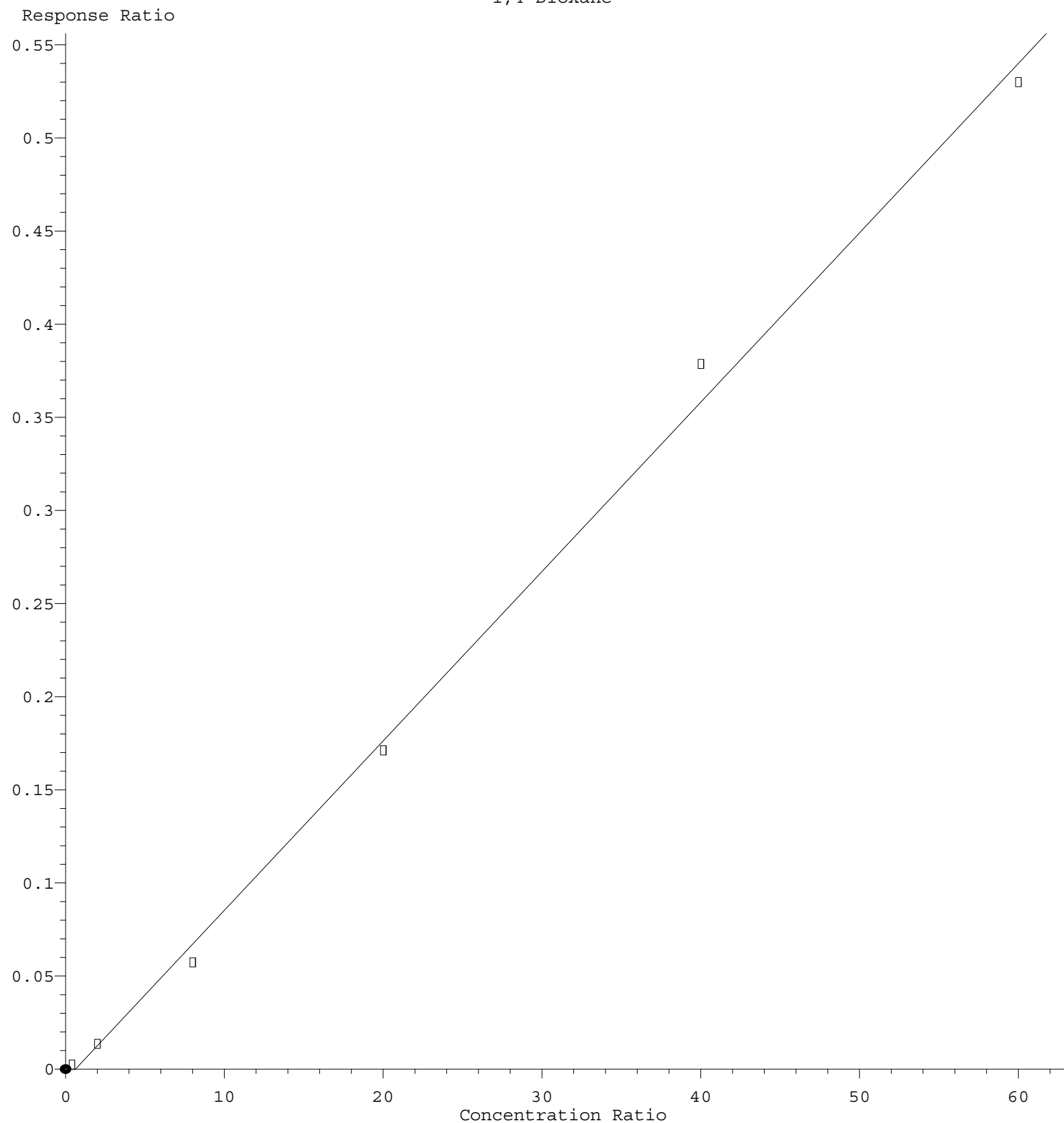
Chloromethane

Response Ratio



$R = 2.024e-002 A^2 + 5.847e-001 A + 6.102e-003$
Coef of Det (r^2) = 0.999705 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X080124W.M
Calibration Table Last Updated: Wed Aug 07 02:00:54 2024

1,4-Dioxane



Response = $9.100 \times 10^{-3} \times \text{Amt} - 5.597 \times 10^{-3}$
 Coef of Det (r^2) = 0.997187 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X080124W.M
 Calibration Table Last Updated: Wed Aug 07 02:00:54 2024