

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
 Method File : 82V071125W.M
 Title : SW846 8260
 Last Update : Mon Jul 14 09:44:44 2025
 Response Via : Initial Calibration

Calibration Files

1 =VV038886.D 5 =VV038880.D 20 =VV038881.D 50 =VV038882.D 100 =VV038883.D 10 =VV038887.D

Compound		1	5	20	50	100	10	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.493	0.522	0.422	0.389	0.389	0.420	0.439	12.66
3) P	Chloromethane	0.600	0.562	0.421	0.397	0.401	0.466	0.474	18.32
4) C	Vinyl Chloride	0.614	0.674	0.501	0.452	0.475	0.542	0.543	15.84#
5) T	Bromomethane		0.575	0.382	0.335	0.287	0.457	0.407	27.71
6) T	Chloroethane	0.387	0.428	0.342	0.315	0.320	0.387	0.363	12.26
7) T	Trichlorofluor...	0.925	1.167	0.933	0.867	0.866	1.006	0.961	11.84
8) T	Diethyl Ether	0.333	0.389	0.328	0.311	0.325	0.386	0.345	9.62
9) T	1,1,2-Trichlor...	0.544	0.679	0.568	0.525	0.524	0.607	0.574	10.39
10) T	Methyl Iodide		0.768	0.602	0.652	0.694	0.581	0.660	11.36
11) T	Tert butyl alc...		0.141	0.135	0.132	0.129	0.166	0.141	10.59
12) CM	1,1-Dichloroet...	0.608	0.624	0.480	0.455	0.454	0.519	0.523	14.47#
13) T	Acrolein		0.023	0.020	0.020	0.021	0.017	0.020	11.00
14) T	Allyl chloride	0.862	0.932	0.802	0.746	0.762	0.900	0.834	9.08
15) T	Acrylonitrile	0.357	0.384	0.353	0.330	0.330	0.404	0.360	8.22
16) T	Acetone	0.239	0.232	0.268	0.258	0.255	0.335	0.264	13.93
17) T	Carbon Disulfide	1.545	1.471	0.909	0.827	0.818	0.982	1.092	30.08
18) T	Methyl Acetate	0.763	0.769	0.944	0.907	0.905	1.079	0.894	13.22
19) T	Methyl tert-bu...	1.907	2.035	1.950	1.841	1.846	2.196	1.963	6.89
20) T	Methylene Chlo...	0.833	0.755	0.630	0.564	0.552	0.690	0.671	16.48
21) T	trans-1,2-Dich...	0.695	0.642	0.503	0.477	0.468	0.556	0.557	16.70
22) T	Diisopropyl ether	1.334	1.749	1.698	1.656	1.654	1.906	1.666	11.26
23) T	Vinyl Acetate	1.100	1.441	1.296	1.284	1.314	1.405	1.307	9.14
24) P	1,1-Dichloroet...	1.032	1.263	1.097	1.004	0.961	1.190	1.091	10.65
25) T	2-Butanone	0.385	0.310	0.378	0.383	0.384	0.434	0.379	10.46
26) T	2,2-Dichloropr...	0.958	1.067	0.926	0.906	0.896	0.978	0.955	6.60
27) T	cis-1,2-Dichlo...	0.672	0.689	0.605	0.596	0.611	0.664	0.640	6.28
28) T	Bromochloromet...	0.325	0.497	0.463	0.421	0.412	0.416	0.422	13.77
29) T	Tetrahydrofuran	0.253	0.220	0.248	0.249	0.254	0.275	0.250	6.95
30) C	Chloroform	1.206	1.305	1.203	1.106	1.070	1.328	1.203	8.56#
31) T	Cyclohexane		0.945	0.644	0.625	0.633	0.734	0.716	18.88
32) T	1,1,1-Trichlor...	0.968	1.237	1.034	0.953	0.947	1.159	1.050	11.57
33) S	1,2-Dichloroet...		0.783	0.562	0.552	0.529	0.629	0.611	16.87
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.418	0.328	0.327	0.307	0.324	0.341	12.87
36) T	1,1-Dichloropr...	0.364	0.445	0.393	0.394	0.387	0.368	0.392	7.41
37) T	Ethyl Acetate	0.454	0.437	0.456	0.477	0.464	0.480	0.461	3.44
38) T	Carbon Tetrach...	0.528	0.571	0.522	0.509	0.483	0.508	0.520	5.66
39) T	Methylcyclohexane	0.481	0.517	0.416	0.454	0.466	0.440	0.462	7.51
40) TM	Benzene	1.150	1.491	1.331	1.328	1.268	1.400	1.328	8.72
41) T	Methacrylonitrile	0.231	0.161	0.208	0.234	0.234	0.203	0.212	13.47
42) TM	1,2-Dichloroet...	0.482	0.557	0.515	0.494	0.467	0.524	0.506	6.41
43) T	Isopropyl Acetate	0.730	0.686	0.716	0.748	0.747	0.751	0.730	3.47
44) TM	Trichloroethene	0.352	0.387	0.336	0.327	0.324	0.355	0.347	6.79
45) C	1,2-Dichloropr...	0.339	0.366	0.349	0.352	0.335	0.364	0.351	3.64#
46) T	Dibromomethane	0.252	0.294	0.273	0.267	0.254	0.288	0.271	6.39
47) T	Bromodichlorom...	0.472	0.640	0.599	0.583	0.548	0.614	0.576	10.30
48) T	Methyl methacr...	0.265	0.323	0.308	0.349	0.355	0.299	0.317	10.54
49) T	1,4-Dioxane	0.006	0.006	0.007	0.007	0.007	0.008	0.007	10.50
50) S	Toluene-d8		1.288	0.959	1.002	0.936	0.966	1.030	14.15
51) T	4-Methyl-2-Pen...	0.371	0.463	0.534	0.539	0.517	0.555	0.497	13.96
52) CM	Toluene	0.669	0.876	0.881	0.872	0.843	0.880	0.837	9.97#
53) T	t-1,3-Dichloro...	0.415	0.544	0.543	0.547	0.546	0.532	0.521	10.00
54) T	cis-1,3-Dichlo...	0.499	0.581	0.572	0.578	0.566	0.584	0.563	5.71
55) T	1,1,2-Trichlor...	0.323	0.453	0.422	0.400	0.375	0.426	0.400	11.48
56) T	Ethyl methacry...	0.341	0.406	0.485	0.549	0.573	0.497	0.475	18.44

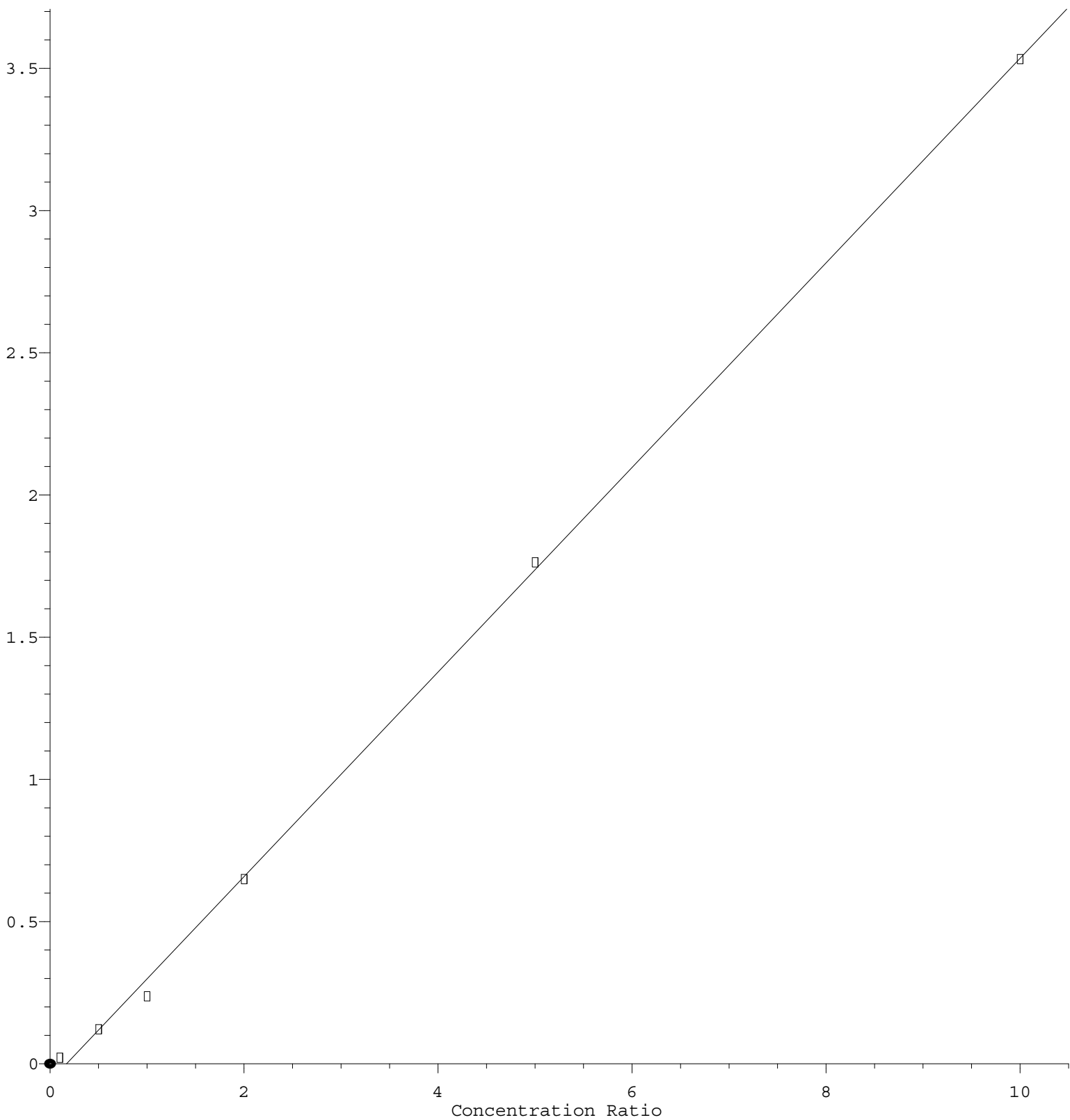
Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
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57)	T	1,3-Dichloropr...	0.476	0.649	0.624	0.617	0.590	0.642	0.600	10.66
58)	T	2-Chloroethyl ...	0.211	0.242	0.325	0.353	0.353	0.237	0.287	22.26
59)	T	2-Hexanone	0.332	0.309	0.390	0.401	0.391	0.396	0.370	10.56
60)	T	Dibromochlorom...	0.388	0.500	0.501	0.473	0.453	0.510	0.471	9.73
61)	T	1,2-Dibromoethane	0.328	0.432	0.424	0.403	0.387	0.444	0.403	10.41
62)	S	4-Bromofluorob...	0.445	0.389	0.428	0.419	0.394	0.415		5.67
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.330	0.390	0.320	0.303	0.291	0.333	0.328	10.52
65)	PM	Chlorobenzene	1.073	1.172	1.075	1.073	1.039	1.123	1.093	4.35
66)	T	1,1,1,2-Tetrac...	0.434	0.464	0.423	0.422	0.405	0.467	0.436	5.65
67)	C	Ethyl Benzene	1.282	1.607	1.643	1.761	1.775	1.666	1.622	11.06#
68)	T	m/p-Xylenes	0.472	0.595	0.664	0.711	0.700	0.647	0.632	13.98
69)	T	o-Xylene	0.476	0.552	0.587	0.657	0.677	0.629	0.596	12.49
70)	T	Styrene	0.765	0.933	1.108	1.217	1.220	1.078	1.054	16.77
71)	P	Bromoform	0.261	0.392	0.378	0.365	0.350	0.378	0.354	13.43
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.492	3.054	2.980	3.159	3.108	3.133	2.988	8.41
74)	T	N-amyl acetate	0.937	0.989	1.076	1.178	1.222	1.165	1.094	10.37
75)	P	1,1,2,2-Tetrac...	1.195	1.387	1.216	1.171	1.122	1.418	1.251	9.71
76)	T	1,2,3-Trichlor...	0.865	0.974	0.941	0.878	0.863	1.056	0.930	8.21
77)	T	Bromobenzene	0.762	0.819	0.749	0.775	0.756	0.841	0.784	4.79
78)	T	n-propylbenzene	2.949	3.396	3.514	3.729	3.701	3.662	3.492	8.43
79)	T	2-Chlorotoluene	2.073	2.236	2.224	2.252	2.187	2.351	2.221	4.08
80)	T	1,3,5-Trimethy...	1.984	2.453	2.586	2.742	2.689	2.663	2.519	11.16
81)	T	trans-1,4-Dich...	0.351	0.371	0.382	0.400	0.401	0.381		5.50
82)	T	4-Chlorotoluene	1.968	2.427	2.595	2.645	2.624	2.634	2.482	10.66
83)	T	tert-Butylbenzene	2.237	2.657	2.574	2.781	2.841	2.758	2.641	8.32
84)	T	1,2,4-Trimethy...	1.964	2.352	2.523	2.738	2.723	2.574	2.479	11.68
85)	T	sec-Butylbenzene	2.728	3.359	3.382	3.603	3.642	3.514	3.371	9.94
86)	T	p-Isopropyltol...	2.470	2.753	2.854	3.059	3.087	2.951	2.862	8.01
87)	T	1,3-Dichlorobe...	1.527	1.648	1.587	1.567	1.544	1.725	1.600	4.64
88)	T	1,4-Dichlorobe...	1.929	1.884	1.665	1.606	1.565	1.792	1.740	8.66
89)	T	n-Butylbenzene	2.196	2.495	2.563	2.877	2.958	2.588	2.613	10.55
90)	T	Hexachloroethane	0.745	0.770	0.641	0.621	0.617	0.692	0.681	9.61
91)	T	1,2-Dichlorobe...	1.441	1.698	1.490	1.509	1.511	1.668	1.553	6.70
92)	T	1,2-Dibromo-3-...	0.309	0.298	0.264	0.275	0.267	0.285	0.283	6.24
93)	T	1,2,4-Trichlor...	0.815	0.859	0.881	0.981	1.043	0.921	0.917	9.12
94)	T	Hexachlorobuta...	0.480	0.517	0.449	0.453	0.461	0.473	0.472	5.25
95)	T	Naphthalene	2.482	2.576	2.857	3.452	3.737	2.966	3.012	16.39
96)	T	1,2,3-Trichlor...	0.799	0.879	0.925	1.044	1.072	0.980	0.950	10.85

(#) = Out of Range

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 3.599\text{e-}001 * \text{Amt} - 6.185\text{e-}002$$

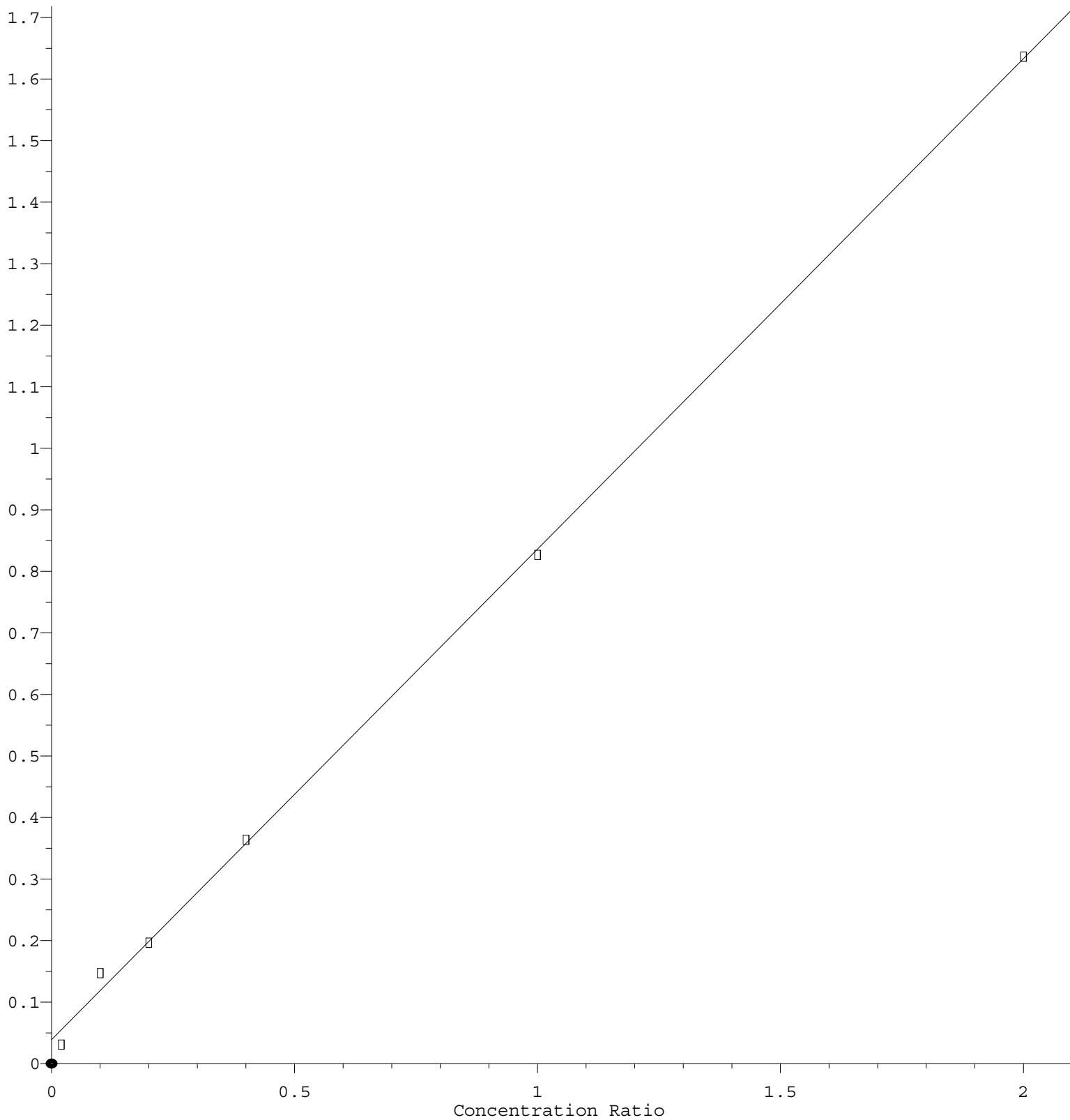
Coef of Det (r^2) = 0.999290 Curve Fit: Linear

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Carbon Disulfide

Response Ratio



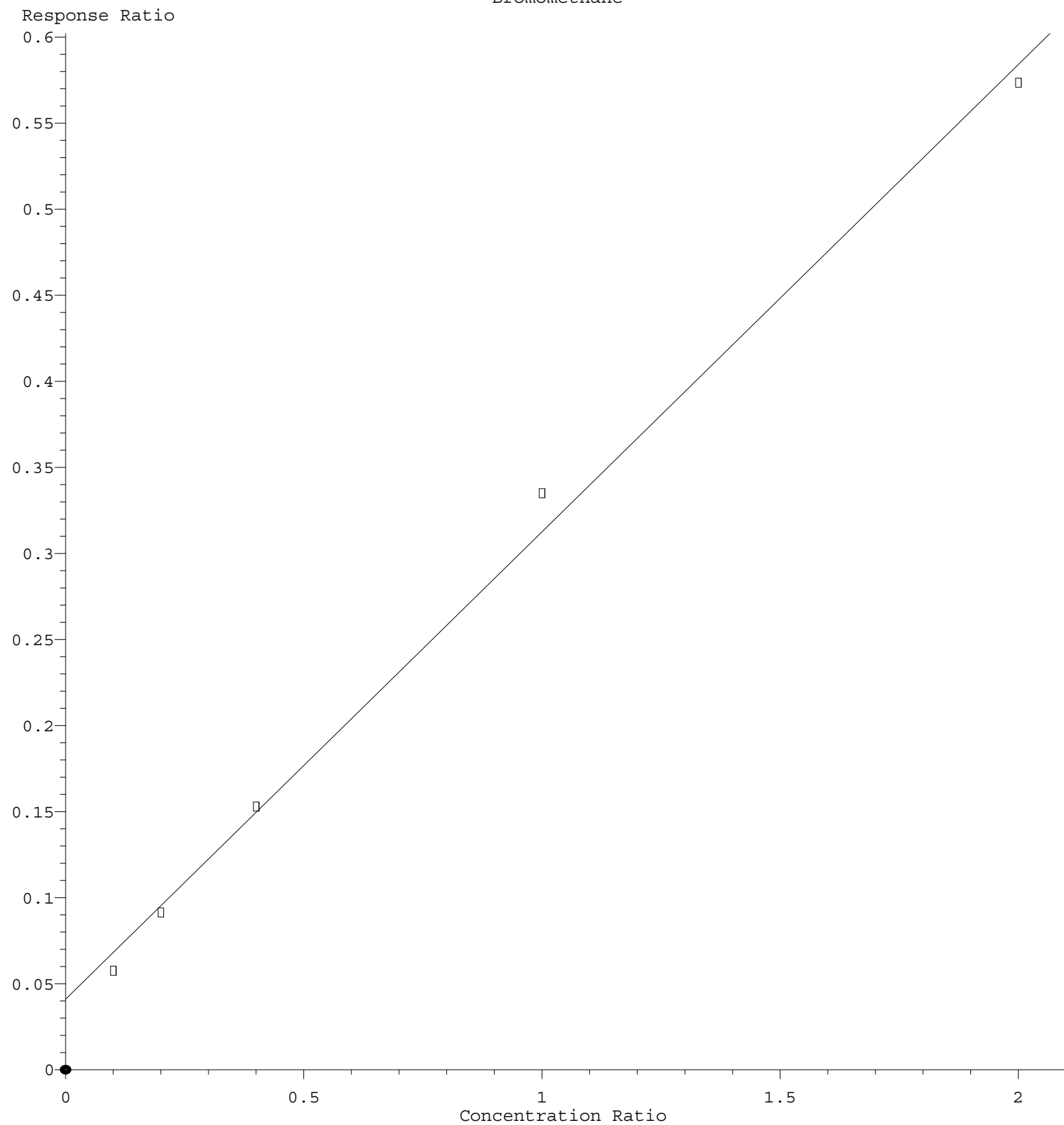
$$\text{Response} = 7.970\text{e-}001 * \text{Amt} + 3.936\text{e-}002$$

Coef of Det (r^2) = 0.999177 Curve Fit: Linear

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Bromomethane



$\text{Response} = 2.717\text{e-}001 * \text{Amt} + 4.101\text{e-}002$
 Coef of Det (r^2) = 0.995875 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V071125W.M
 Calibration Table Last Updated: Mon Jul 14 09:44:44 2025