

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
 Method File : 82V081325W.M
 Title : SW846 8260
 Last Update : Thu Aug 14 02:40:30 2025
 Response Via : Initial Calibration

Calibration Files

1 =VV038946.D 5 =VV038947.D 10 =VV038948.D 20 =VV038949.D 50 =VV038953.D 100 =VV038951.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.724	0.661	0.716	0.656	0.633	0.655	0.674	5.46
3) P	Chloromethane	0.892	0.719	0.712	0.664	0.628	0.640	0.709	13.69
4) C	Vinyl Chloride	0.950	0.795	0.792	0.734	0.711	0.729	0.785	11.19#
5) T	Bromomethane		0.626	0.590	0.520	0.496	0.405	0.527	16.31
6) T	Chloroethane	0.542	0.497	0.501	0.450	0.437	0.443	0.478	8.73
7) T	Trichlorofluor...	1.108	1.056	1.059	0.986	0.890	1.081	1.030	7.76
8) T	Diethyl Ether	0.421	0.334	0.356	0.243	0.270	0.316	0.323	19.67
9) T	1,1,2-Trichlor...	0.627	0.535	0.596	0.521	0.558	0.540	0.563	7.22
10) T	Methyl Iodide		0.636	0.753	0.669	0.784	0.970	0.763	17.15
11) T	Tert butyl alc...		0.132	0.144	0.143	0.135	0.127	0.136	5.37
12) CM	1,1-Dichloroet...	0.701	0.516	0.560	0.508	0.534	0.528	0.558	12.99#
13) T	Acrolein		0.116	0.055	0.047	0.057	0.054	0.066	43.12
14) T	Allyl chloride	1.162	0.885	0.865	0.948	0.964	0.970	0.966	10.91
15) T	Acrylonitrile	0.441	0.376	0.398	0.372	0.357	0.348	0.382	8.81
16) T	Acetone	0.383	0.265	0.272	0.226	0.260	0.287	0.282	18.92
17) T	Carbon Disulfide	2.369	1.690	1.554	1.394	1.720	1.731	1.743	19.09
18) T	Methyl Acetate	0.922	0.652	0.576	0.776	0.739	0.732	0.733	16.02
19) T	Methyl tert-bu...	2.258	2.073	2.099	1.971	1.915	1.825	2.024	7.56
20) T	Methylene Chlo...	1.041	0.774	0.625	0.669	0.647	0.641	0.733	21.84
21) T	trans-1,2-Dich...	0.832	0.689	0.715	0.650	0.615	0.604	0.684	12.26
22) T	Diisopropyl ether	1.804	1.777	1.932	1.855	1.829	1.831	1.838	2.89
23) T	Vinyl Acetate	1.424	1.469	1.634	1.577	1.544	1.615	1.544	5.37
24) P	1,1-Dichloroet...	1.198	1.290	1.286	1.171	0.856	1.099	1.150	14.03
25) T	2-Butanone	0.413	0.392	0.436	0.424	0.436	0.429	0.422	4.03
26) T	2,2-Dichloropr...	1.117	1.000	1.050	0.946	0.974	0.966	1.009	6.33
27) T	cis-1,2-Dichlo...	0.765	0.693	0.716	0.672	0.684	0.703	0.706	4.66
28) T	Bromochloromet...	0.367	0.374	0.294	0.297	0.280	0.275	0.314	14.10
29) T	Tetrahydrofuran	0.262	0.240	0.274	0.287	0.285	0.281	0.272	6.53
30) C	Chloroform	1.339	1.239	1.315	1.194	1.152	1.135	1.229	6.86#
31) T	Cyclohexane		1.106	1.053	0.959	0.964	0.964	1.009	6.66
32) T	1,1,1-Trichlor...	1.214	1.136	1.140	1.077	1.048	1.032	1.108	6.17
33) S	1,2-Dichloroet...		0.797	0.672	0.634	0.683	0.662	0.690	9.07
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.375	0.346	0.333	0.358	0.349	0.352	4.45
36) T	1,1-Dichloropr...	0.405	0.475	0.481	0.455	0.474	0.489	0.463	6.62
37) T	Ethyl Acetate	0.560	0.554	0.558	0.515	0.542	0.529	0.543	3.34
38) T	Carbon Tetrach...	0.508	0.511	0.578	0.568	0.550	0.561	0.546	5.42
39) T	Methylcyclohexane	0.566	0.574	0.600	0.593	0.643	0.676	0.609	7.00
40) TM	Benzene	1.511	1.470	1.585	1.533	1.494	1.518	1.518	2.58
41) T	Methacrylonitrile	0.168	0.169	0.210	0.214	0.244	0.251	0.209	17.00
42) TM	1,2-Dichloroet...	0.505	0.537	0.558	0.519	0.506	0.512	0.523	4.02
43) T	Isopropyl Acetate	0.690	0.674	0.774	0.778	0.806	0.837	0.760	8.50
44) TM	Trichloroethene	0.425	0.381	0.398	0.393	0.377	0.384	0.393	4.48
45) C	1,2-Dichloropr...	0.326	0.329	0.379	0.358	0.365	0.367	0.354	6.10#
46) T	Dibromomethane	0.294	0.267	0.304	0.279	0.275	0.282	0.284	4.73
47) T	Bromodichlorom...	0.522	0.577	0.608	0.577	0.564	0.572	0.570	4.92
48) T	Methyl methacr...	0.351	0.342	0.308	0.342	0.382	0.399	0.354	9.10
49) T	1,4-Dioxane	0.006	0.006	0.007	0.007	0.007	0.007	0.007	8.96
50) S	Toluene-d8		1.278	1.168	1.158	1.270	1.262	1.227	4.82
51) T	4-Methyl-2-Pen...	0.463	0.460	0.536	0.543	0.548	0.544	0.515	8.17
52) CM	Toluene	0.810	0.887	0.993	0.962	0.955	0.982	0.932	7.54#
53) T	t-1,3-Dichloro...	0.557	0.528	0.564	0.538	0.564	0.594	0.558	4.16
54) T	cis-1,3-Dichlo...	0.554	0.574	0.615	0.601	0.609	0.628	0.597	4.67
55) T	1,1,2-Trichlor...	0.357	0.380	0.428	0.390	0.383	0.385	0.387	5.90
56) T	Ethyl methacry...	0.450	0.403	0.483	0.495	0.566	0.614	0.502	15.32

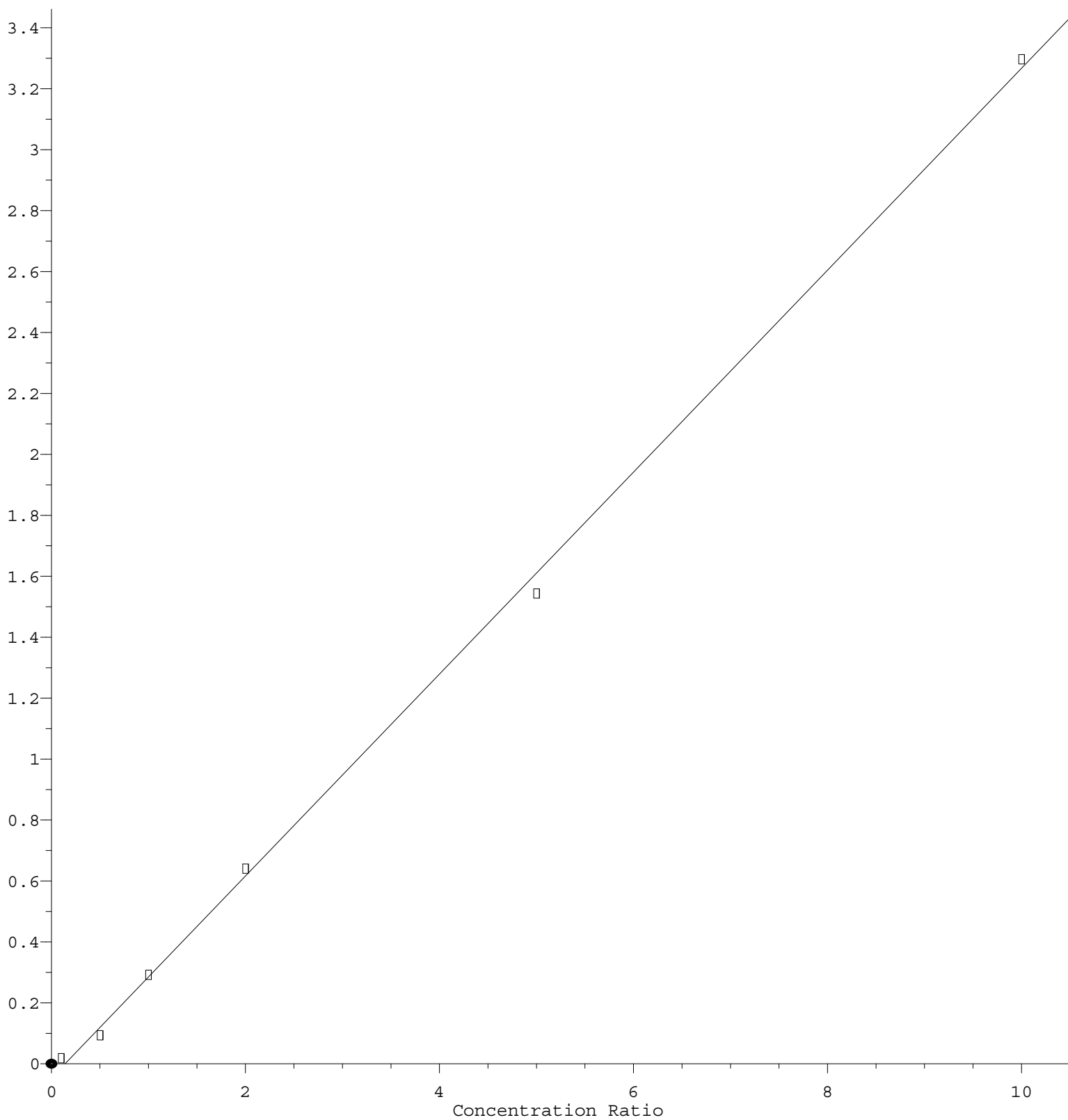
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57)	T	1,3-Dichloropr...	0.556	0.610	0.658	0.614	0.622	0.630	0.615	5.43
58)	T	2-Chloroethyl ...	0.182	0.187	0.292	0.320	0.309	0.330	0.270	25.00
59)	T	2-Hexanone	0.293	0.311	0.383	0.400	0.418	0.418	0.370	14.81
60)	T	Dibromochlorom...	0.464	0.478	0.482	0.468	0.452	0.461	0.468	2.35
61)	T	1,2-Dibromoethane	0.396	0.399	0.451	0.423	0.412	0.417	0.416	4.76
62)	S	4-Bromofluorob...		0.416	0.414	0.413	0.492	0.494	0.446	9.62
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.426	0.378	0.384	0.365	0.355	0.362	0.378	6.79
65)	PM	Chlorobenzene	1.265	1.181	1.203	1.140	1.101	1.153	1.174	4.84
66)	T	1,1,1,2-Tetrac...	0.396	0.403	0.435	0.406	0.398	0.409	0.408	3.47
67)	C	Ethyl Benzene	1.481	1.631	1.813	1.809	1.893	2.012	1.773	10.71#
68)	T	m/p-Xylenes	0.558	0.629	0.712	0.727	0.751	0.789	0.694	12.26
69)	T	o-Xylene	0.541	0.564	0.623	0.653	0.698	0.748	0.638	12.36
70)	T	Styrene	0.911	0.917	1.110	1.168	1.244	1.312	1.110	15.03
71)	P	Bromoform	0.300	0.310	0.352	0.341	0.332	0.354	0.332	6.67
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.039	2.930	3.228	3.203	3.375	3.435	3.202	6.02
74)	T	N-amyl acetate	1.265	1.048	1.143	1.218	1.335	1.413	1.237	10.62
75)	P	1,1,2,2-Tetrac...	1.423	1.286	1.304	1.174	1.134	1.133	1.242	9.28
76)	T	1,2,3-Trichlor...	1.059	0.965	0.971	0.881	0.851	0.889	0.936	8.20
77)	T	Bromobenzene	0.845	0.853	0.845	0.805	0.800	0.821	0.828	2.73
78)	T	n-propylbenzene	3.688	3.453	3.780	3.849	4.044	4.173	3.831	6.69
79)	T	2-Chlorotoluene	2.354	2.204	2.413	2.321	2.335	2.425	2.342	3.40
80)	T	1,3,5-Trimethy...	2.378	2.417	2.730	2.794	2.893	2.996	2.701	9.35
81)	T	trans-1,4-Dich...		0.336	0.372	0.381	0.412	0.422	0.384	8.91
82)	T	4-Chlorotoluene	2.484	2.511	2.765	2.721	2.805	2.901	2.698	6.17
83)	T	tert-Butylbenzene	2.566	2.594	2.641	2.646	2.813	2.990	2.708	6.00
84)	T	1,2,4-Trimethy...	2.188	2.254	2.632	2.698	2.822	2.993	2.598	12.21
85)	T	sec-Butylbenzene	3.263	3.207	3.523	3.525	3.743	3.944	3.534	7.92
86)	T	p-Isopropyltol...	2.873	2.726	2.997	2.987	3.184	3.347	3.019	7.32
87)	T	1,3-Dichlorobe...	1.936	1.650	1.746	1.615	1.587	1.652	1.698	7.57
88)	T	1,4-Dichlorobe...	2.352	1.833	1.866	1.658	1.621	1.680	1.835	14.80
89)	T	n-Butylbenzene	2.737	2.483	2.777	2.799	3.069	3.257	2.854	9.52
90)	T	Hexachloroethane	0.738	0.664	0.682	0.609	0.629	0.663	0.664	6.71
91)	T	1,2-Dichlorobe...	1.808	1.531	1.581	1.508	1.521	1.597	1.591	7.03
92)	T	1,2-Dibromo-3-...	0.316	0.269	0.269	0.256	0.254	0.273	0.273	8.24
93)	T	1,2,4-Trichlor...	1.139	0.848	0.903	0.927	0.977	1.097	0.982	11.64
94)	T	Hexachlorobuta...	0.597	0.471	0.490	0.450	0.440	0.480	0.488	11.58
95)	T	Naphthalene	2.990	2.549	2.826	2.929	3.398	3.827	3.087	14.75
96)	T	1,2,3-Trichlor...	1.068	0.911	0.950	0.947	0.985	1.103	0.994	7.59

(#) = Out of Range

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 3.315\text{e-}001 * \text{Amt} - 4.689\text{e-}002$$

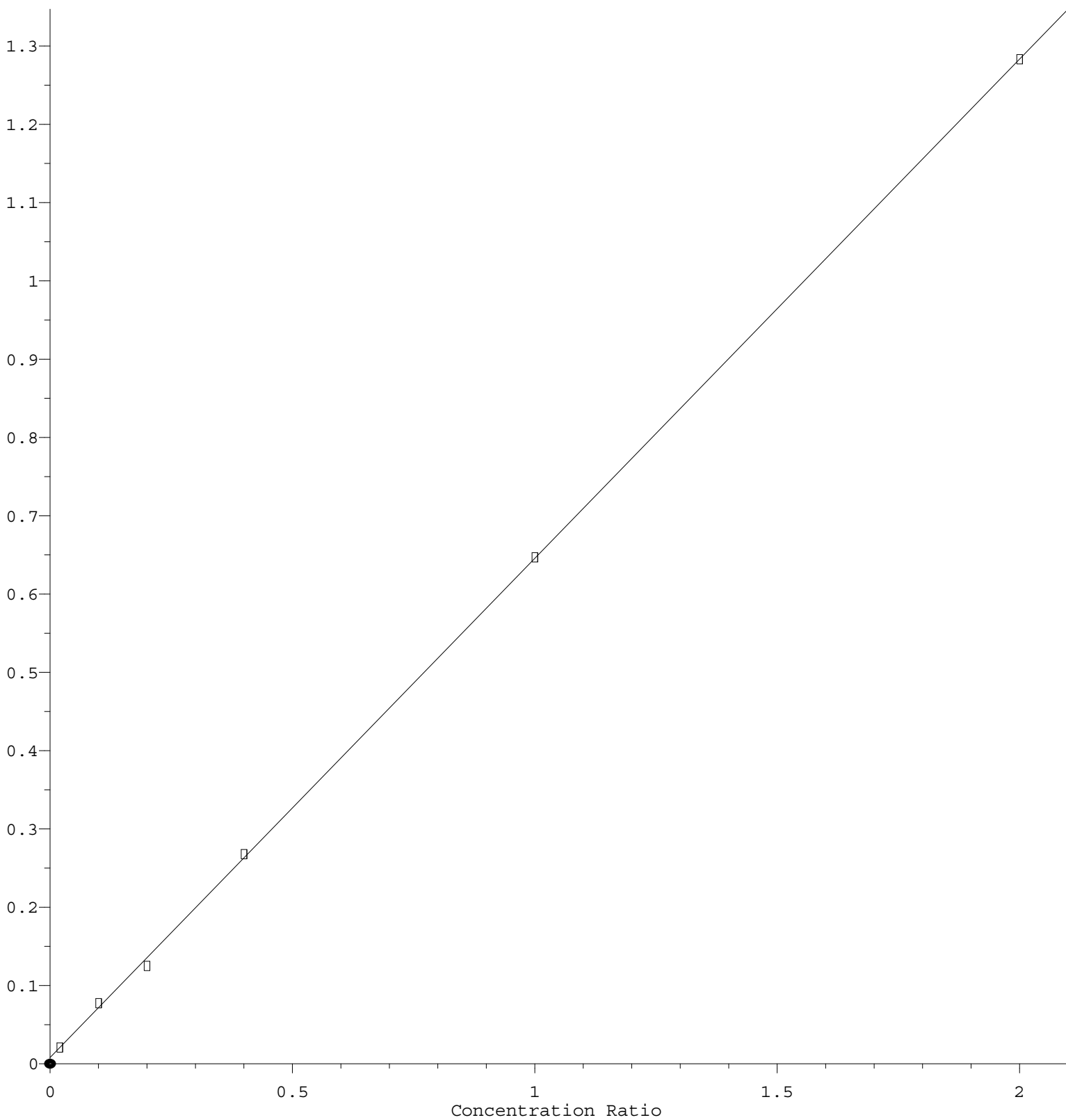
Coef of Det (r^2) = 0.999041 Curve Fit: Linear

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Calibration Table Last Updated: Thu Aug 14 02:40:30 2025

Methylene Chloride

Response Ratio



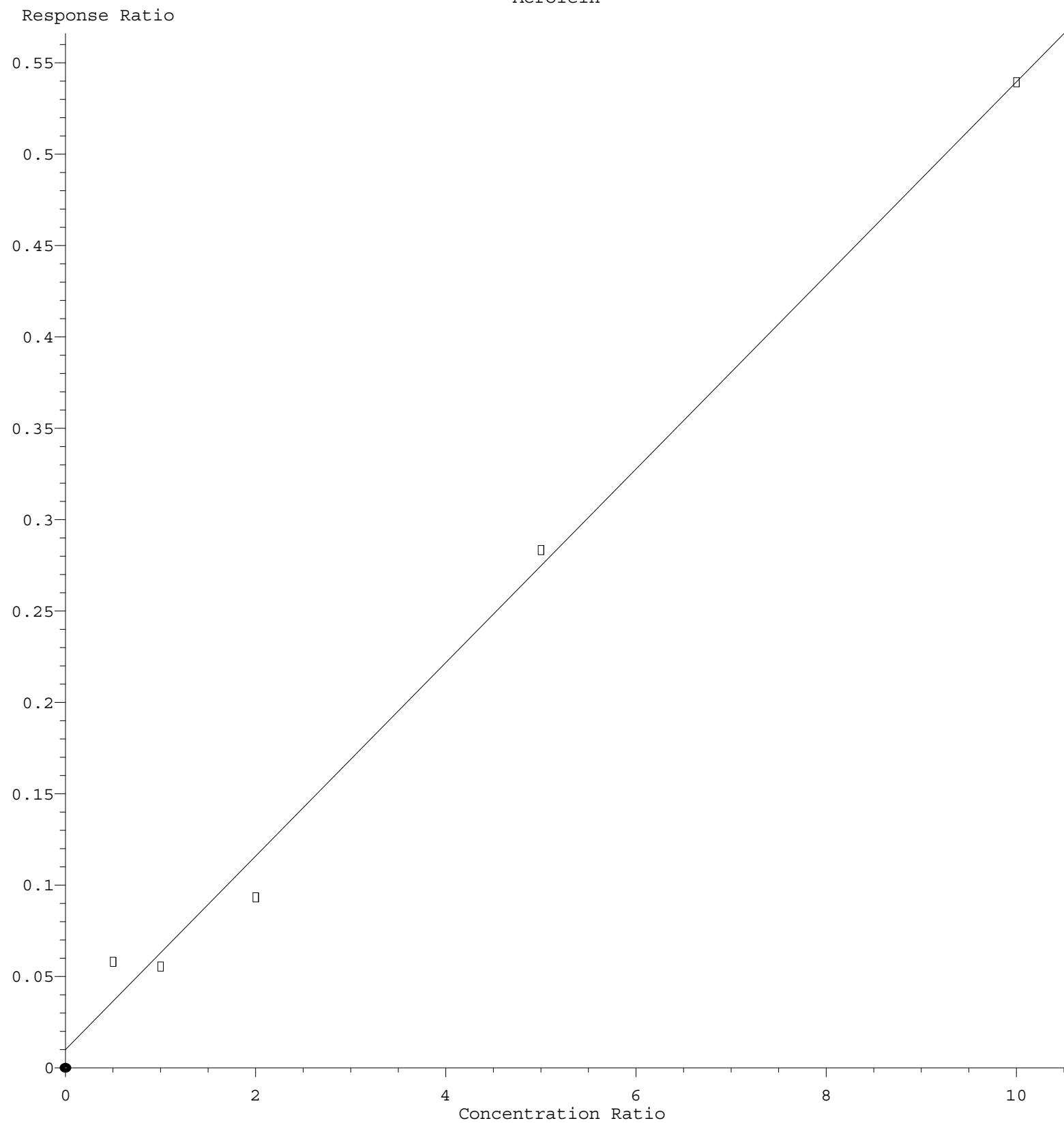
$$\text{Response} = 6.378\text{e-}001 * \text{Amt} + 8.011\text{e-}003$$

Coef of Det (r^2) = 0.999860 Curve Fit: Linear

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Calibration Table Last Updated: Thu Aug 14 02:40:30 2025

Acrolein



Response = $5.295 \times 10^{-2} \times \text{Amt} + 9.977 \times 10^{-3}$
 Coef of Det (r^2) = 0.993678 Curve Fit: Linear
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 Calibration Table Last Updated: Thu Aug 14 02:40:30 2025