

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y042423S.M
 Title : SW846 8260
 Last Update : Tue Apr 25 02:39:58 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY013393.D 10 =VY013394.D 20 =VY013395.D 50 =VY013396.D 100 =VY013397.D 150 =VY013398.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.389	0.497	0.490	0.489	0.500	0.487	0.475	8.96
3) P	Chloromethane	0.634	0.672	0.622	0.623	0.615	0.656	0.637	3.48
4) C	Vinyl Chloride	0.628	0.631	0.616	0.620	0.643	0.668	0.634	3.00#
5) T	Bromomethane	0.542	0.524	0.484	0.472	0.483	0.528	0.506	5.79
6) T	Chloroethane	0.432	0.422	0.414	0.415	0.447	0.500	0.438	7.45
7) T	Trichlorofluor...	0.938	0.978	0.979	0.953	0.969	0.949	0.961	1.75
8) T	Diethyl Ether	0.316	0.334	0.325	0.333	0.318	0.337	0.327	2.69
9) T	1,1,2-Trichlor...	0.536	0.542	0.549	0.523	0.546	0.539	0.539	1.69
10) T	Methyl Iodide	0.591	0.634	0.656	0.736	0.717	0.728	0.677	8.72
11) T	Tert butyl alc...	0.086	0.069	0.062	0.057	0.060	0.063	0.066	15.57
12) CM	1,1-Dichloroet...	0.506	0.512	0.522	0.525	0.523	0.529	0.520	1.65#
13) T	Acrolein	0.067	0.061	0.059	0.045	0.043	0.049	0.054	17.64
14) T	Allyl chloride	0.905	0.943	0.950	0.984	0.969	1.034	0.964	4.51
15) T	Acrylonitrile	0.185	0.181	0.174	0.189	0.173	0.198	0.183	5.24
16) T	Acetone	0.225	0.198	0.189	0.237	0.211	0.235	0.216	9.25
17) T	Carbon Disulfide	1.555	1.728	1.695	1.727	1.701	1.722	1.688	3.94
18) T	Methyl Acetate	0.749	0.705	0.663	0.724	0.667	0.770	0.713	6.04
19) T	Methyl tert-bu...	1.455	1.450	1.431	1.556	1.489	1.621	1.500	4.91
20) T	Methylene Chlo...	1.590	1.194	0.879	0.665	0.600	0.613	0.924	42.95
21) T	trans-1,2-Dich...	0.536	0.588	0.564	0.581	0.558	0.581	0.568	3.43
22) T	Diisopropyl ether	1.753	1.859	1.864	1.921	1.848	2.061	1.885	5.42
23) T	Vinyl Acetate	0.939	1.035	1.019	1.125	1.062	1.223	1.067	9.12
24) P	1,1-Dichloroet...	1.034	1.071	1.034	1.057	1.019	1.089	1.050	2.52
25) T	2-Butanone	0.272	0.264	0.247	0.288	0.265	0.306	0.274	7.48
26) T	2,2-Dichloropr...	0.876	0.919	0.895	0.908	0.896	0.936	0.905	2.34
27) T	cis-1,2-Dichlo...	0.615	0.634	0.618	0.633	0.613	0.653	0.628	2.46
28) T	Bromochloromet...	0.366	0.399	0.391	0.369	0.339	0.373	0.373	5.71
29) T	Tetrahydrofuran	0.160	0.166	0.161	0.178	0.166	0.192	0.170	7.30
30) C	Chloroform	1.033	1.085	1.032	1.040	1.009	1.066	1.044	2.58#
31) T	Cyclohexane	1.062	0.970	0.959	0.943	0.973	0.982	0.981	4.24
32) T	1,1,1-Trichlor...	0.926	0.942	0.922	0.938	0.923	0.940	0.932	0.97
33) S	1,2-Dichloroet...	0.619	0.590	0.575	0.520	0.476	0.508	0.548	10.03
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.340	0.336	0.327	0.296	0.291	0.297	0.314	6.96
36) T	1,1-Dichloropr...	0.505	0.520	0.521	0.520	0.533	0.532	0.522	1.98
37) T	Ethyl Acetate	0.379	0.375	0.356	0.412	0.386	0.449	0.393	8.44
38) T	Carbon Tetrach...	0.521	0.557	0.546	0.553	0.560	0.545	0.547	2.59
39) T	Methylcyclohexane	0.566	0.573	0.596	0.628	0.667	0.662	0.615	7.13
40) TM	Benzene	1.438	1.501	1.447	1.487	1.456	1.492	1.470	1.80
41) T	Methacrylonitrile	0.186	0.174	0.177	0.189	0.175	0.198	0.183	5.19
42) TM	1,2-Dichloroet...	0.476	0.501	0.468	0.491	0.464	0.485	0.481	2.91
43) T	Isopropyl Acetate	0.619	0.635	0.617	0.685	0.672	0.750	0.663	7.66
44) TM	Trichloroethene	0.397	0.392	0.389	0.395	0.386	0.387	0.391	1.15
45) C	1,2-Dichloropr...	0.373	0.391	0.380	0.387	0.377	0.398	0.384	2.43#
46) T	Dibromomethane	0.231	0.236	0.224	0.233	0.222	0.234	0.230	2.42
47) T	Bromodichlorom...	0.503	0.524	0.504	0.522	0.505	0.529	0.515	2.26
48) T	Methyl methacr...	0.267	0.285	0.274	0.326	0.320	0.355	0.304	11.38
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.004	0.003	6.53
50) S	Toluene-d8	1.174	1.219	1.193	1.049	1.034	1.043	1.119	7.64
51) T	4-Methyl-2-Pen...	0.348	0.358	0.344	0.390	0.371	0.405	0.369	6.48
52) CM	Toluene	0.830	0.903	0.877	0.904	0.881	0.913	0.885	3.41#
53) T	t-1,3-Dichloro...	0.499	0.547	0.537	0.564	0.546	0.576	0.545	4.86
54) T	cis-1,3-Dichlo...	0.595	0.612	0.600	0.624	0.609	0.637	0.613	2.53
55) T	1,1,2-Trichlor...	0.311	0.310	0.297	0.308	0.293	0.308	0.305	2.43
56) T	Ethyl methacry...	0.360	0.399	0.404	0.453	0.445	0.474	0.423	9.97

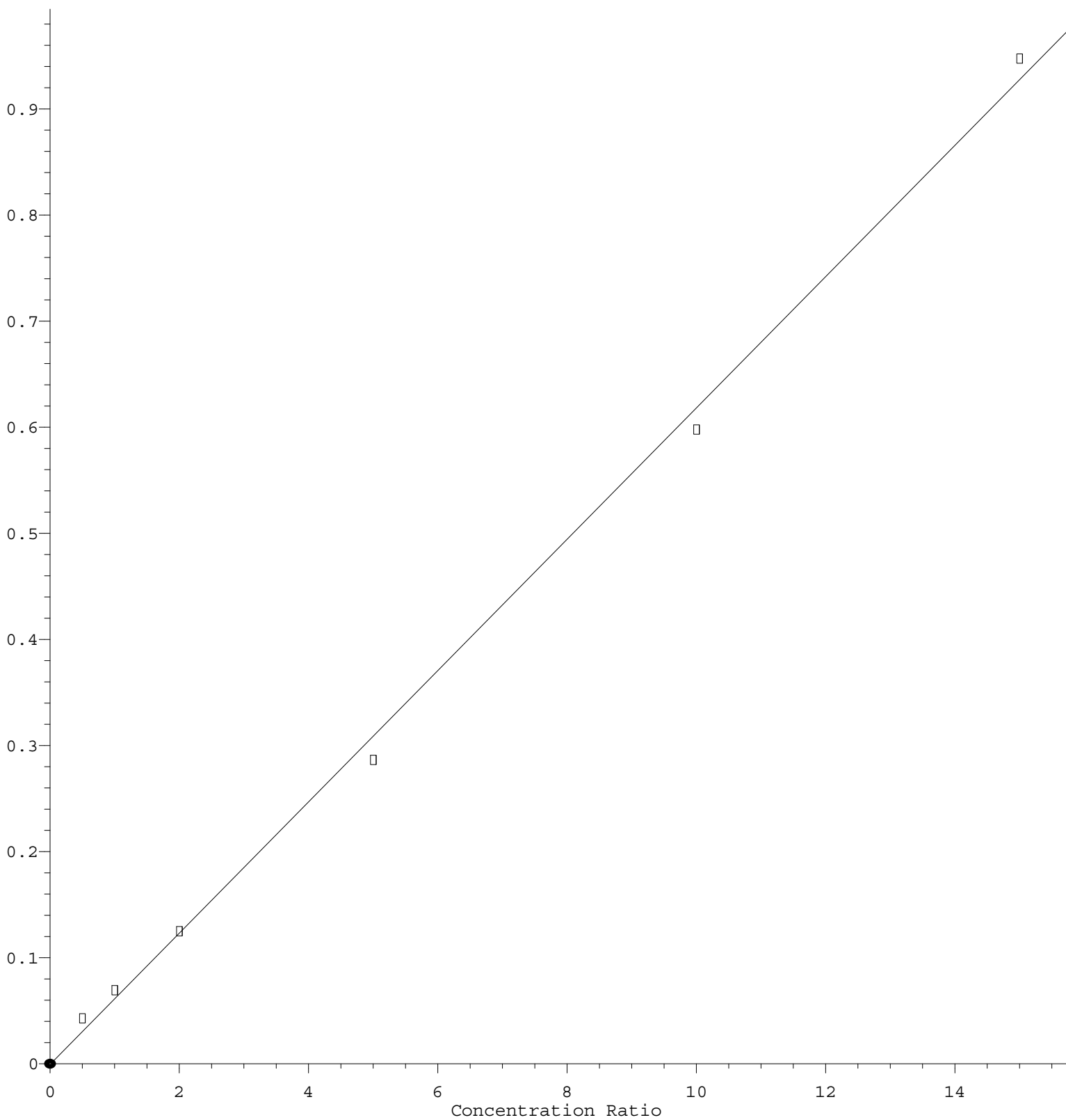
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57)	T	1,3-Dichloropr...	0.519	0.524	0.500	0.522	0.501	0.530	0.516	2.44
58)	T	2-Chloroethyl ...	0.165	0.162	0.165	0.149	0.151	0.159	0.158	4.44
59)	T	2-Hexanone	0.245	0.259	0.249	0.291	0.273	0.294	0.269	7.85
60)	T	Dibromochlorom...	0.356	0.377	0.367	0.383	0.360	0.376	0.370	2.80
61)	T	1,2-Dibromoethane	0.303	0.311	0.279	0.308	0.289	0.306	0.299	4.18
62)	S	4-Bromofluorob...	0.413	0.412	0.394	0.352	0.345	0.347	0.377	8.67
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.384	0.384	0.368	0.383	0.386	0.375	0.380	1.82
65)	PM	Chlorobenzene	1.077	1.116	1.074	1.094	1.087	1.087	1.089	1.39
66)	T	1,1,1,2-Tetrac...	0.405	0.426	0.397	0.407	0.408	0.401	0.407	2.45
67)	C	Ethyl Benzene	1.759	1.878	1.878	1.955	1.996	2.009	1.913	4.92#
68)	T	m/p-Xylenes	0.654	0.725	0.726	0.744	0.761	0.754	0.727	5.35
69)	T	o-Xylene	0.634	0.672	0.680	0.714	0.713	0.713	0.688	4.69
70)	T	Styrene	1.029	1.147	1.139	1.187	1.189	1.208	1.150	5.62
71)	P	Bromoform	0.294	0.287	0.277	0.291	0.279	0.285	0.285	2.25
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.365	3.588	3.680	3.898	4.055	4.105	3.782	7.62
74)	T	N-ethyl acetate	1.156	1.230	1.224	1.451	1.450	1.564	1.346	12.17
75)	P	1,1,2,2-Tetrac...	0.939	0.908	0.867	0.953	0.918	0.961	0.924	3.75
76)	T	1,2,3-Trichlor...	0.663	0.657	0.619	0.705	0.677	0.724	0.674	5.51
77)	T	Bromobenzene	0.858	0.936	0.903	0.943	0.926	0.931	0.916	3.44
78)	T	n-propylbenzene	4.198	4.425	4.596	4.814	4.949	4.969	4.658	6.62
79)	T	2-Chlorotoluene	2.401	2.539	2.548	2.675	2.706	2.739	2.601	4.93
80)	T	1,3,5-Trimethy...	2.773	2.952	3.078	3.210	3.254	3.254	3.087	6.29
81)	T	trans-1,4-Dich...	0.293	0.313	0.306	0.354	0.347	0.365	0.330	8.88
82)	T	4-Chlorotoluene	2.550	2.660	2.667	2.788	2.773	2.830	2.711	3.85
83)	T	tert-Butylbenzene	2.439	2.556	2.618	2.776	2.848	2.808	2.674	6.05
84)	T	1,2,4-Trimethy...	2.690	2.863	2.991	3.150	3.138	3.174	3.001	6.45
85)	T	sec-Butylbenzene	3.707	3.853	3.976	4.132	4.256	4.157	4.014	5.17
86)	T	p-Isopropyltol...	2.990	3.083	3.219	3.334	3.391	3.349	3.228	5.01
87)	T	1,3-Dichlorobe...	1.777	1.763	1.716	1.774	1.721	1.724	1.746	1.64
88)	T	1,4-Dichlorobe...	1.832	1.830	1.710	1.772	1.721	1.716	1.764	3.22
89)	T	n-Butylbenzene	2.949	2.985	3.049	3.237	3.358	3.322	3.150	5.64
90)	T	Hexachloroethane	0.696	0.663	0.660	0.676	0.693	0.687	0.679	2.28
91)	T	1,2-Dichlorobe...	1.580	1.595	1.521	1.622	1.563	1.579	1.577	2.14
92)	T	1,2-Dibromo-3-...	0.166	0.165	0.145	0.164	0.162	0.177	0.163	6.23
93)	T	1,2,4-Trichlor...	0.974	0.935	0.873	0.951	0.950	0.957	0.940	3.75
94)	T	Hexachlorobuta...	0.605	0.573	0.533	0.537	0.529	0.504	0.547	6.56
95)	T	Naphthalene	1.866	1.853	1.779	2.155	2.234	2.348	2.039	11.58
96)	T	1,2,3-Trichlor...	0.837	0.830	0.788	0.861	0.859	0.853	0.838	3.27

(#) = Out of Range

Tert butyl alcohol

Response Ratio



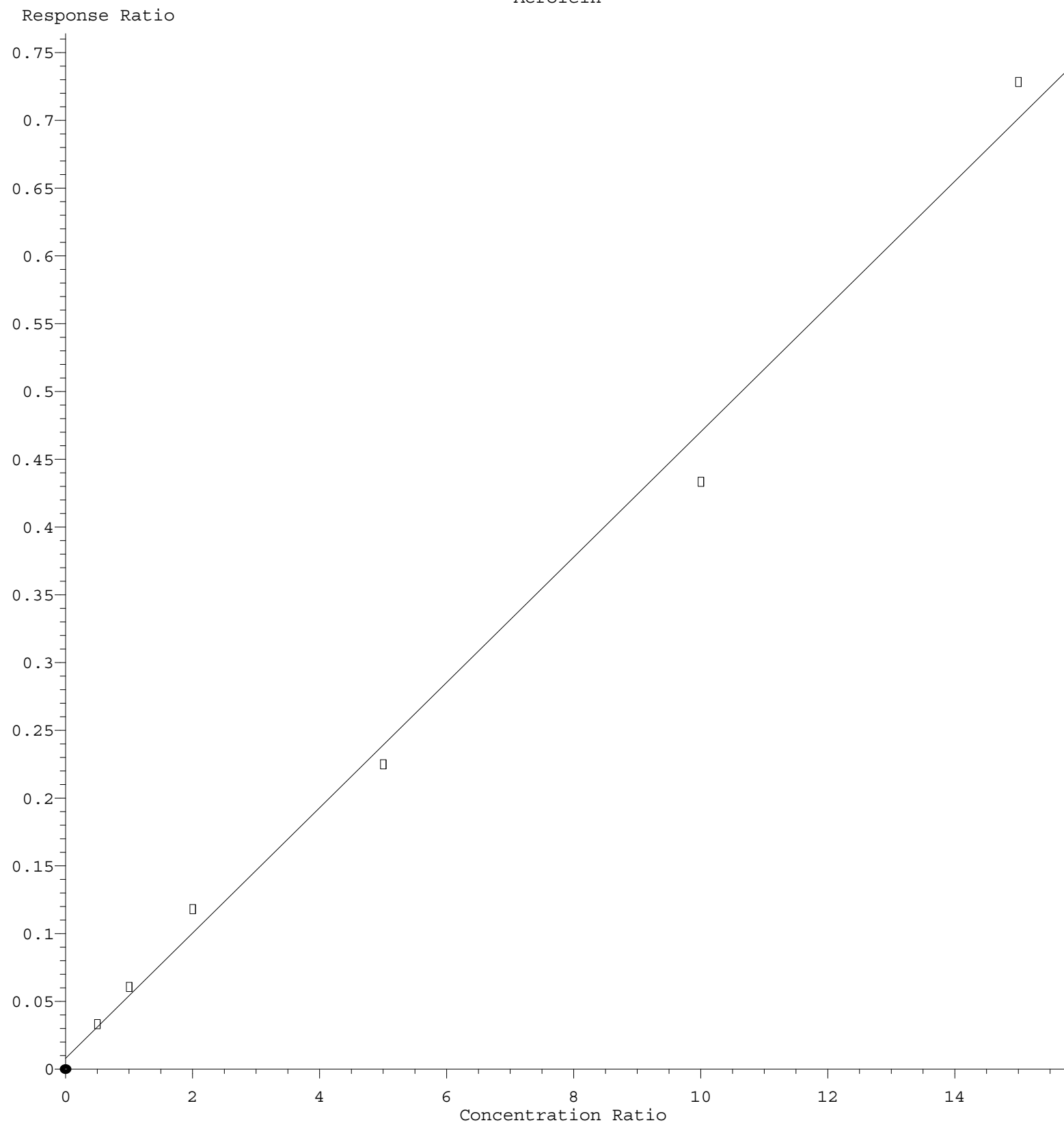
$$\text{Response} = 6.190\text{e-}002 * \text{Amt} - 8.046\text{e-}004$$

Coef of Det (r^2) = 0.997620 Curve Fit: Linear

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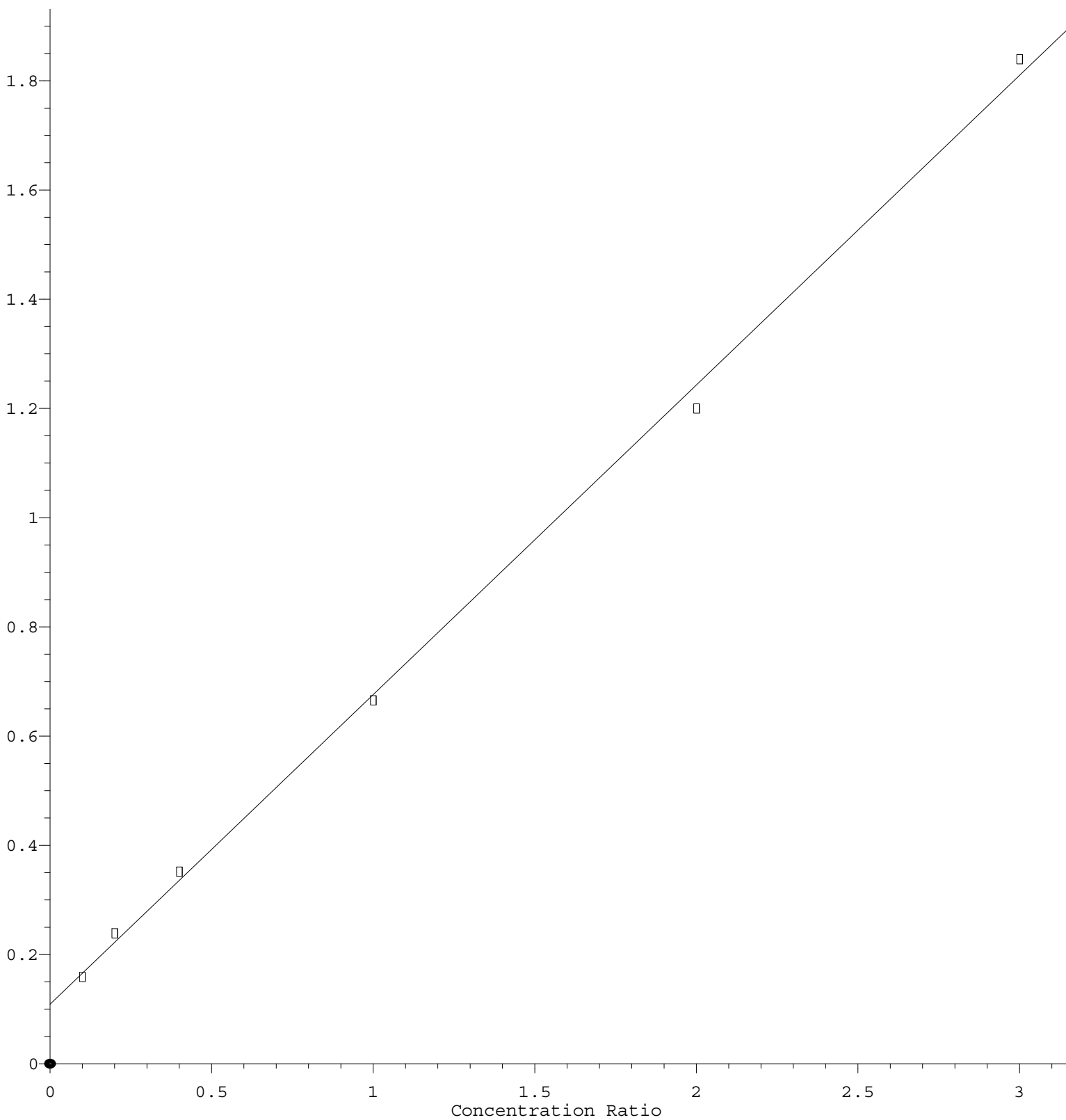
Acrolein



Response = $4.619 \times 10^{-2} \times \text{Amt} + 8.480 \times 10^{-3}$
 Coef of Det (r^2) = 0.992677 Curve Fit: Linear
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Methylene Chloride

Response Ratio



$$\text{Response} = 5.668\text{e-}001 * \text{Amt} + 1.094\text{e-}001$$

Coef of Det (r^2) = 0.998422 Curve Fit: Linear

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