

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D041023S.M
 Title : SW846 8260
 Last Update : Wed Apr 12 10:29:09 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD075611.D 20 =VD075612.D 50 =VD075613.D 100 =VD075614.D 150 =VD075615.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----						
2) T	Dichlorodifluoro...	0.387	0.392	0.349	0.325	0.313	0.353	10.03
3) P	Chloromethane	0.733	0.694	0.602	0.546	0.496	0.614	16.13
4) C	Vinyl Chloride	0.938	0.941	0.890	0.798	0.733	0.860	10.65#
5) T	Bromomethane	0.737	0.704	0.686	0.668	0.629	0.685	5.91
6) T	Chloroethane	0.652	0.670	0.604	0.562	0.529	0.603	9.84
7) T	Trichlorofluorom...	0.778	0.798	0.727	0.694	0.671	0.734	7.38
8) T	Diethyl Ether	0.235	0.228	0.228	0.227	0.215	0.227	3.16
9) T	1,1,2-Trichlorot...	0.508	0.507	0.480	0.467	0.452	0.483	5.09
10) T	Methyl Iodide	0.502	0.557	0.603	0.623	0.602	0.577	8.40
11) T	Tert butyl alcohol	0.022	0.020	0.018	0.019	0.017	0.019	10.67
12) CM	1,1-Dichloroethene	0.460	0.482	0.463	0.464	0.448	0.463	2.63#
13) T	Acrolein	0.039	0.036	0.026	0.026	0.025	0.030	21.11
14) T	Allyl chloride	0.429	0.424	0.415	0.422	0.402	0.418	2.53
15) T	Acrylonitrile	0.093	0.089	0.088	0.087	0.077	0.087	6.71
16) T	Acetone	0.085	0.078	0.075	0.072	0.064	0.075	10.05
17) T	Carbon Disulfide	1.253	1.278	1.211	1.160	1.096	1.200	6.10
18) T	Methyl Acetate	0.245	0.241	0.225	0.216	0.200	0.226	8.18
19) T	Methyl tert-buty...	0.966	0.977	1.009	1.010	0.936	0.980	3.18
20) T	Methylene Chloride	1.064	0.867	0.672	0.593	0.539	0.747	28.98
21) T	trans-1,2-Dichlo...	0.545	0.565	0.555	0.549	0.522	0.547	2.88
22) T	Diisopropyl ether	1.006	1.065	1.066	1.038	0.956	1.026	4.51
23) T	Vinyl Acetate	0.474	0.494	0.523	0.518	0.479	0.498	4.46
24) P	1,1-Dichloroethane	0.900	0.895	0.858	0.821	0.763	0.847	6.73
25) T	2-Butanone	0.108	0.099	0.096	0.096	0.086	0.097	8.14
26) T	2,2-Dichloropropane	0.837	0.813	0.779	0.745	0.713	0.777	6.42
27) T	cis-1,2-Dichloro...	0.638	0.640	0.654	0.660	0.629	0.644	1.94
28) T	Bromochloromethane	0.319	0.311	0.285	0.279	0.254	0.290	9.01
29) T	Tetrahydrofuran	0.051	0.051	0.053	0.054	0.048	0.051	4.89
30) C	Chloroform	0.997	1.019	0.983	0.939	0.881	0.964	5.68#
31) T	Cyclohexane	0.725	0.594	0.574	0.555	0.536	0.597	12.51
32) T	1,1,1-Trichloroe...	0.824	0.831	0.822	0.790	0.744	0.802	4.48
33) S	1,2-Dichloroetha...	0.446	0.429	0.412	0.398	0.366	0.410	7.44
34) I	1,4-Difluorobenzene	-----ISTD-----						
35) S	Dibromofluoromet...	0.247	0.312	0.304	0.304	0.299	0.293	9.00
36) T	1,1-Dichloropropene	0.298	0.389	0.408	0.392	0.384	0.374	11.68
37) T	Ethyl Acetate	0.091	0.127	0.118	0.116	0.111	0.113	11.91
38) T	Carbon Tetrachlo...	0.285	0.381	0.382	0.373	0.374	0.359	11.55
39) T	Methylcyclohexane	0.384	0.426	0.470	0.472	0.477	0.446	8.98
40) TM	Benzene	0.992	1.285	1.291	1.253	1.208	1.206	10.27
41) T	Methacrylonitrile	0.052	0.069	0.064	0.064	0.068	0.063	10.89
42) TM	1,2-Dichloroethane	0.250	0.308	0.298	0.283	0.263	0.280	8.62
43) T	Isopropyl Acetate	0.179	0.226	0.227	0.226	0.215	0.215	9.52
44) TM	Trichloroethene	0.357	0.347	0.356	0.355	0.351	0.353	1.18
45) C	1,2-Dichloropropane	0.268	0.295	0.293	0.283	0.269	0.281	4.56#
46) T	Dibromomethane	0.162	0.180	0.185	0.177	0.170	0.175	5.24
47) T	Bromodichloromet...	0.408	0.436	0.436	0.425	0.407	0.422	3.43
48) T	Methyl methacrylate	0.082	0.099	0.098	0.108	0.100	0.097	9.87
49) T	1,4-Dioxane	0.001	0.002	0.002	0.002	0.002	0.002	6.18
50) S	Toluene-d8	1.073	1.104	1.204	1.196	1.170	1.149	5.05
51) T	4-Methyl-2-Penta...	0.109	0.116	0.120	0.120	0.112	0.116	4.43
52) CM	Toluene	0.746	0.809	0.862	0.842	0.813	0.814	5.41#
53) T	t-1,3-Dichloropr...	0.348	0.387	0.403	0.399	0.379	0.383	5.72
54) T	cis-1,3-Dichloro...	0.423	0.470	0.488	0.479	0.467	0.466	5.36
55) T	1,1,2-Trichloroe...	0.255	0.262	0.267	0.261	0.244	0.258	3.39
56) T	Ethyl methacrylate	0.216	0.230	0.268	0.270	0.257	0.248	9.74

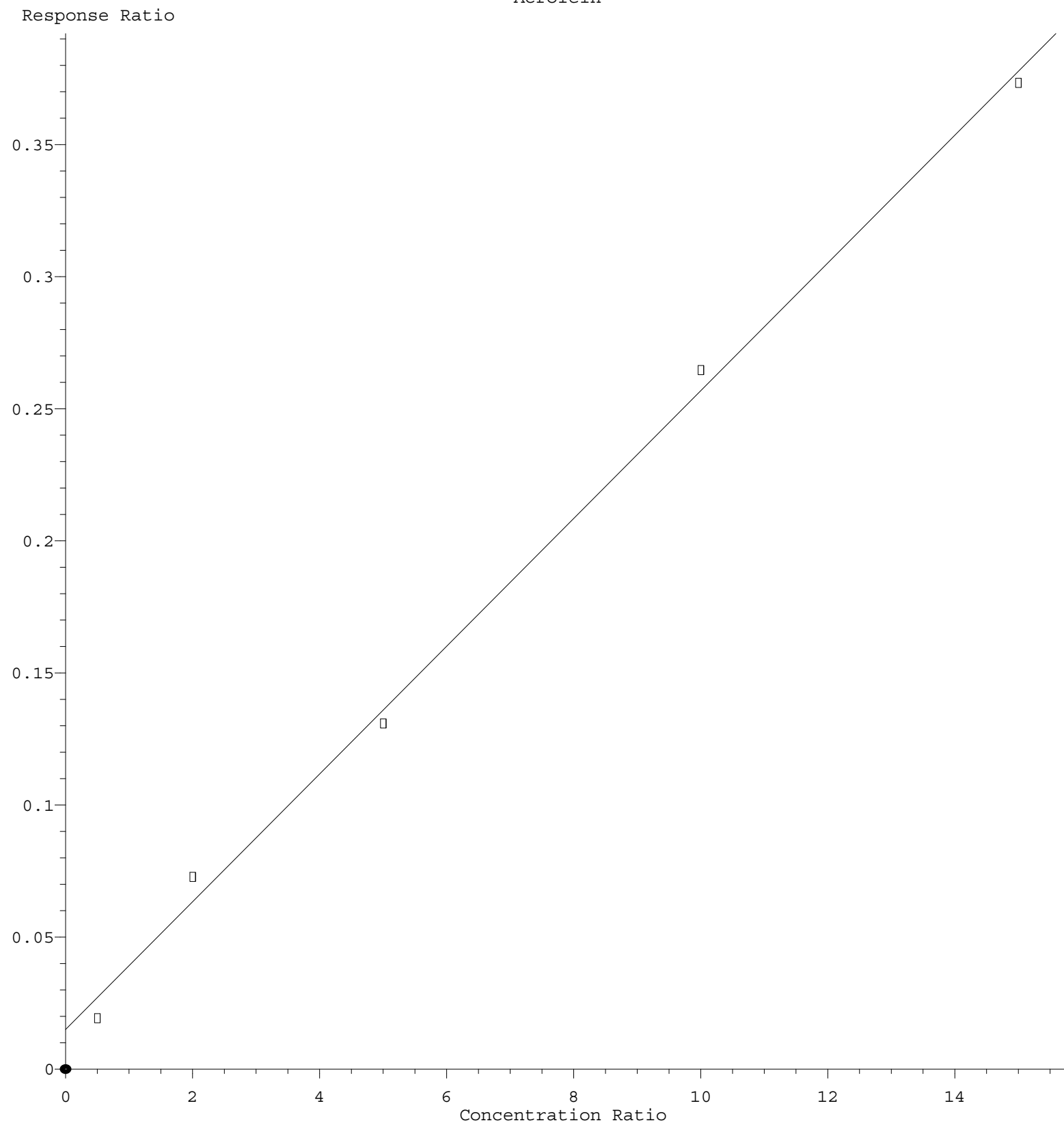
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57)	T	1,3-Dichloropropane	0.377	0.397	0.403	0.390	0.371	0.388	3.47
58)	T	2-Chloroethyl Vi...	0.106	0.120	0.122	0.127	0.124	0.120	6.96
59)	T	2-Hexanone	0.075	0.082	0.086	0.085	0.079	0.081	5.98
60)	T	Dibromochloromet...	0.296	0.316	0.313	0.315	0.298	0.308	3.16
61)	T	1,2-Dibromoethane	0.239	0.242	0.276	0.243	0.231	0.246	6.96
62)	S	4-Bromofluoroben...	0.252	0.337	0.404	0.354	0.344	0.338	16.20
63)	I	Chlorobenzene-d5	-----ISTD-----						
64)	T	Tetrachloroethene	0.309	0.303	0.270	0.310	0.312	0.301	5.75
65)	PM	Chlorobenzene	0.956	0.963	0.988	0.984	0.963	0.971	1.48
66)	T	1,1,1,2-Tetrachl...	0.329	0.337	0.354	0.351	0.345	0.343	3.00
67)	C	Ethyl Benzene	1.446	1.574	1.636	1.691	1.660	1.601	6.06#
68)	T	m/p-Xylenes	0.584	0.648	0.677	0.704	0.686	0.660	7.12
69)	T	o-Xylene	0.419	0.587	0.654	0.664	0.645	0.594	17.23
70)	T	Styrene	0.721	1.021	1.131	1.129	1.089	1.018	16.89
71)	P	Bromoform	0.137	0.177	0.199	0.190	0.183	0.177	13.67
72)	I	1,4-Dichlorobenzen...	-----ISTD-----						
73)	T	Isopropylbenzene	2.906	3.036	3.228	3.269	3.074	3.103	4.76
74)	T	N-amyl acetate	0.447	0.452	0.439	0.438	0.400	0.435	4.67
75)	P	1,1,2,2-Tetrachl...	0.635	0.621	0.572	0.568	0.506	0.580	8.78
76)	T	1,2,3-Trichlorop...	0.351	0.345	0.300	0.359	0.270	0.325	11.84
77)	T	Bromobenzene	0.730	0.775	0.836	0.808	0.767	0.783	5.19
78)	T	n-propylbenzene	3.577	3.767	3.845	3.880	3.584	3.731	3.83
79)	T	2-Chlorotoluene	2.077	2.128	2.082	2.087	1.943	2.063	3.40
80)	T	1,3,5-Trimethylb...	2.315	2.591	2.666	2.648	2.485	2.541	5.70
81)	T	trans-1,4-Dichlo...	0.172	0.185	0.173	0.171	0.153	0.171	6.78
82)	T	4-Chlorotoluene	2.111	2.295	2.166	2.158	1.971	2.140	5.44
83)	T	tert-Butylbenzene	1.955	2.143	2.333	2.366	2.236	2.206	7.50
84)	T	1,2,4-Trimethylb...	2.368	2.611	2.667	2.687	2.497	2.566	5.18
85)	T	sec-Butylbenzene	3.171	3.420	3.467	3.533	3.268	3.372	4.41
86)	T	p-Isopropyltoluene	2.570	2.773	2.936	2.990	2.902	2.834	5.92
87)	T	1,3-Dichlorobenzene	1.608	1.630	1.683	1.650	1.607	1.635	1.94
88)	T	1,4-Dichlorobenzene	1.677	1.606	1.645	1.590	1.569	1.617	2.69
89)	T	n-Butylbenzene	2.395	2.563	2.573	2.660	2.694	2.577	4.51
90)	T	Hexachloroethane	0.553	0.569	0.480	0.546	0.533	0.536	6.28
91)	T	1,2-Dichlorobenzene	1.384	1.401	1.433	1.394	1.437	1.410	1.68
92)	T	1,2-Dibromo-3-Ch...	0.088	0.078	0.062	0.073	0.063	0.073	14.81
93)	T	1,2,4-Trichlorob...	0.718	0.744	0.667	0.812	0.797	0.748	7.87
94)	T	Hexachlorobutadiene	0.360	0.361	0.311	0.375	0.364	0.354	6.95
95)	T	Naphthalene	1.301	1.317	1.297	1.626	1.557	1.420	11.20
96)	T	1,2,3-Trichlorob...	0.662	0.669	0.584	0.714	0.684	0.662	7.29

(#) = Out of Range

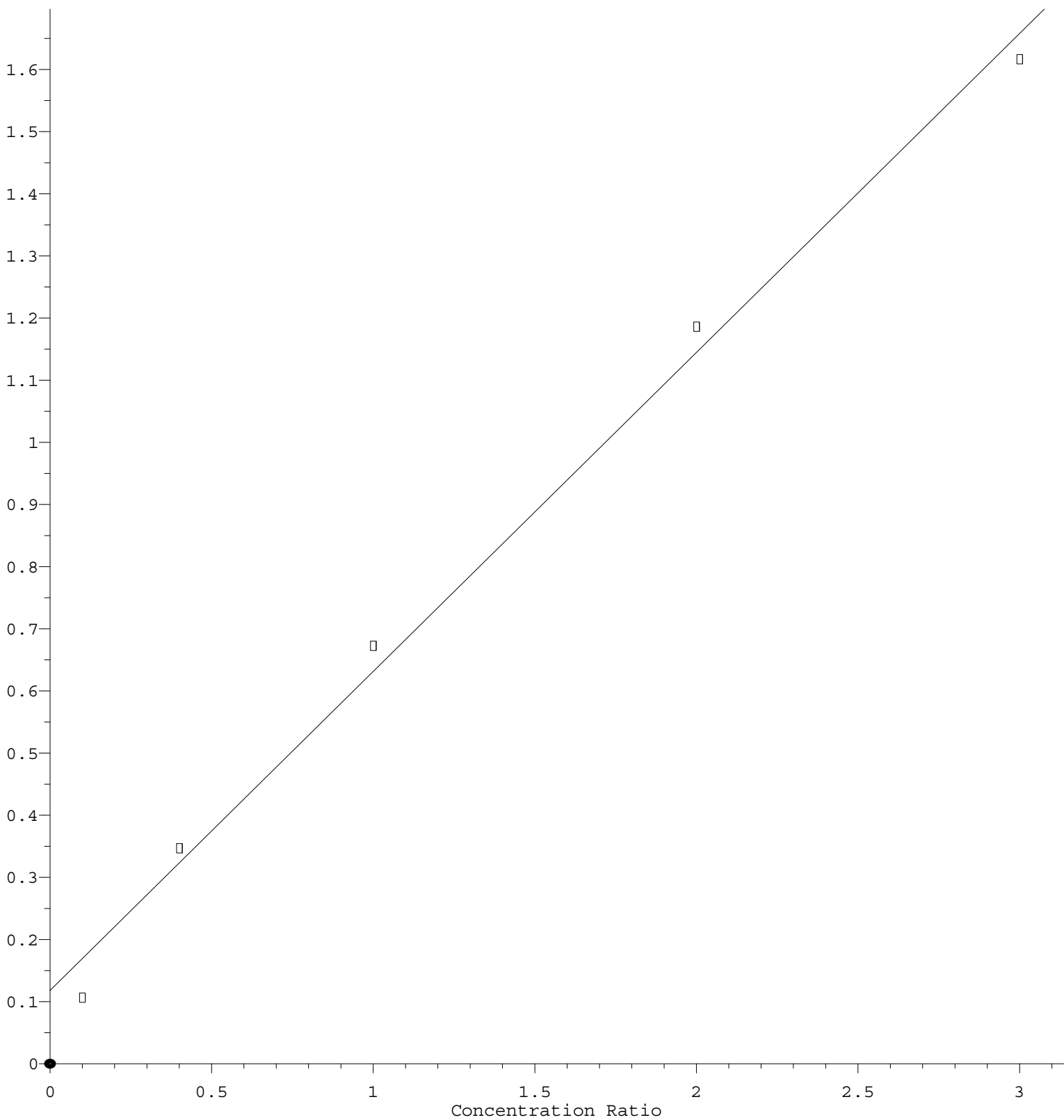
Acrolein



$\text{Response} = 2.420\text{e-}002 * \text{Amt} + 1.490\text{e-}002$
 Coef of Det (r^2) = 0.996962 Curve Fit: Linear
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Methylene Chloride

Response Ratio



$$\text{Response} = 5.134\text{e-}001 * \text{Amt} + 1.182\text{e-}001$$

Coef of Det (r^2) = 0.993648 Curve Fit: Linear

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