

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y103123S.M
 Title : SW846 8260
 Last Update : Wed Nov 01 03:33:29 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY016142.D 10 =VY016143.D 20 =VY016144.D 50 =VY016145.D 100 =VY016146.D 150 =VY016147.D

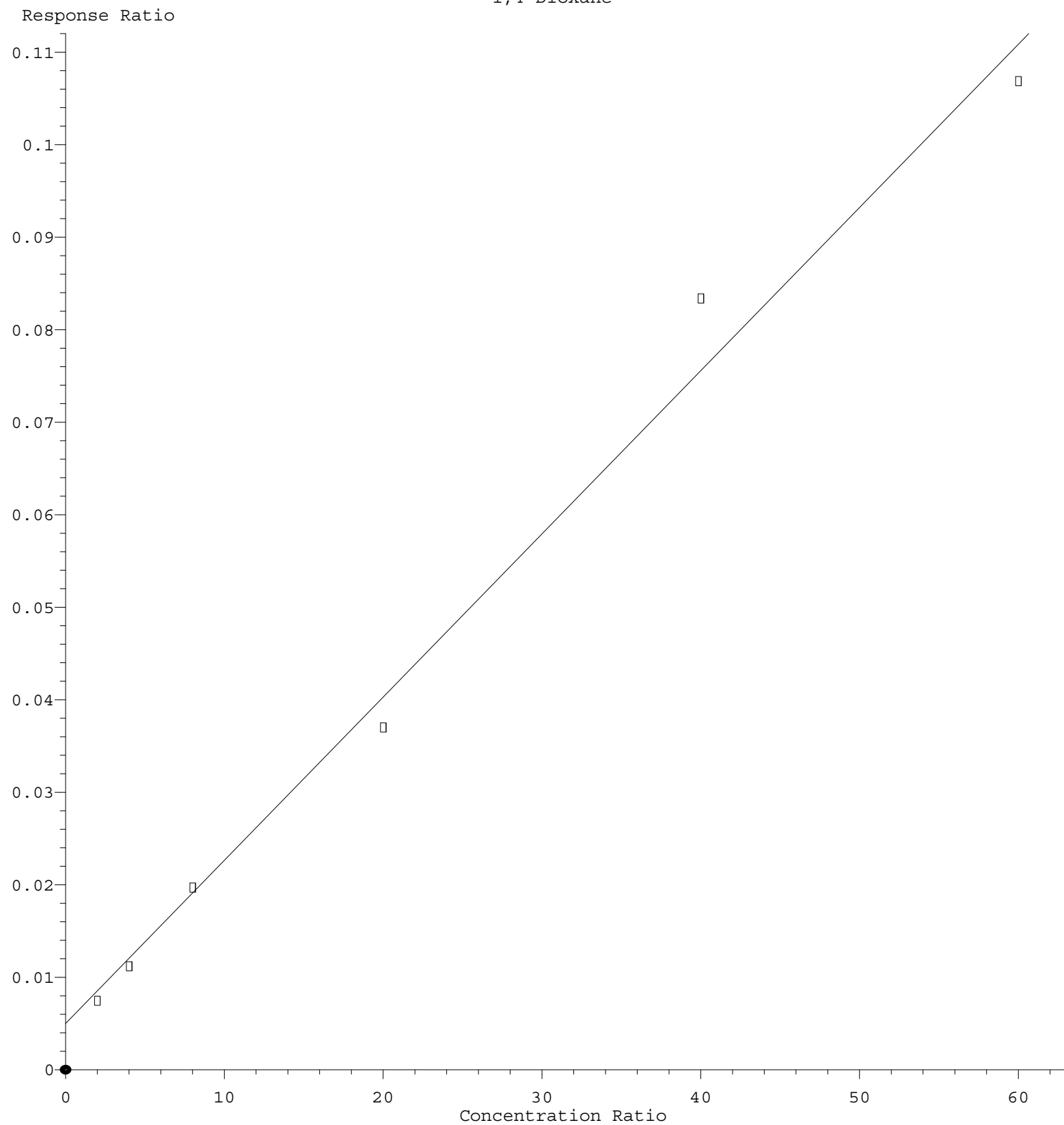
	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.280	0.326	0.304	0.335	0.346	0.322	0.319	7.46
3) P	Chloromethane	0.424	0.471	0.443	0.435	0.451	0.425	0.442	4.04
4) C	Vinyl Chloride	0.402	0.465	0.440	0.469	0.495	0.464	0.456	6.92#
5) T	Bromomethane	0.282	0.307	0.299	0.302	0.333	0.323	0.308	5.97
6) T	Chloroethane	0.277	0.333	0.322	0.318	0.346	0.328	0.321	7.28
7) T	Trichlorofluor...	0.619	0.704	0.671	0.702	0.735	0.697	0.688	5.76
8) T	Diethyl Ether	0.203	0.237	0.234	0.216	0.247	0.232	0.228	6.94
9) T	1,1,2-Trichlor...	0.411	0.435	0.430	0.438	0.456	0.431	0.433	3.36
10) T	Methyl Iodide	0.419	0.479	0.474	0.477	0.539	0.506	0.482	8.25
11) T	Tert butyl alc...	0.041	0.039	0.036	0.028	0.033	0.031	0.035	13.97
12) CM	1,1-Dichloroet...	0.371	0.409	0.392	0.390	0.419	0.394	0.396	4.21#
13) T	Acrolein	0.043	0.037	0.038	0.028	0.033	0.031	0.035	15.58
14) T	Allyl chloride	0.514	0.587	0.564	0.556	0.602	0.571	0.566	5.35
15) T	Acrylonitrile	0.089	0.104	0.098	0.090	0.105	0.098	0.097	7.03
16) T	Acetone	0.118	0.102	0.084	0.069	0.077	0.069	0.086	22.62
17) T	Carbon Disulfide	0.858	0.981	0.958	1.015	1.088	1.026	0.988	7.82
18) T	Methyl Acetate	0.355	0.392	0.383	0.344	0.404	0.380	0.376	5.98
19) T	Methyl tert-bu...	0.969	1.171	1.139	1.071	1.240	1.162	1.125	8.35
20) T	Methylene Chlo...	0.683	0.611	0.511	0.459	0.485	0.448	0.533	17.59
21) T	trans-1,2-Dich...	0.421	0.460	0.466	0.457	0.492	0.469	0.461	5.03
22) T	Diisopropyl ether	1.198	1.407	1.379	1.320	1.493	1.415	1.369	7.36
23) T	Vinyl Acetate	0.594	0.689	0.674	0.640	0.737	0.698	0.672	7.40
24) P	1,1-Dichloroet...	0.721	0.856	0.827	0.794	0.884	0.834	0.819	6.94
25) T	2-Butanone	0.138	0.142	0.128	0.113	0.132	0.122	0.129	8.05
26) T	2,2-Dichloropr...	0.669	0.789	0.775	0.776	0.839	0.798	0.774	7.32
27) T	cis-1,2-Dichlo...	0.485	0.558	0.544	0.529	0.583	0.555	0.542	6.18
28) T	Bromochloromet...	0.313	0.316	0.297	0.303	0.311	0.299	0.307	2.64
29) T	Tetrahydrofuran	0.072	0.086	0.082	0.075	0.088	0.083	0.081	7.55
30) C	Chloroform	0.792	0.938	0.908	0.871	0.946	0.896	0.892	6.29#
31) T	Cyclohexane	0.782	0.765	0.681	0.690	0.716	0.682	0.719	6.14
32) T	1,1,1-Trichlor...	0.731	0.849	0.823	0.812	0.869	0.824	0.818	5.81
33) S	1,2-Dichloroet...	0.466	0.460	0.471	0.439	0.505	0.466	0.468	4.60
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.295	0.288	0.303	0.283	0.320	0.300	0.298	4.36
36) T	1,1-Dichloropr...	0.390	0.452	0.430	0.430	0.455	0.426	0.430	5.39
37) T	Ethyl Acetate	0.179	0.207	0.185	0.180	0.205	0.194	0.192	6.33
38) T	Carbon Tetrach...	0.343	0.420	0.418	0.443	0.478	0.458	0.426	11.00
39) T	Methylcyclohexane	0.466	0.503	0.500	0.539	0.556	0.519	0.514	6.15
40) TM	Benzene	1.152	1.297	1.226	1.210	1.309	1.221	1.236	4.73
41) T	Methacrylonitrile	0.116	0.135	0.093	0.095	0.113	0.116	0.111	14.03
42) TM	1,2-Dichloroet...	0.316	0.367	0.348	0.332	0.364	0.342	0.345	5.59
43) T	Isopropyl Acetate	0.335	0.406	0.382	0.354	0.415	0.383	0.379	8.08
44) TM	Trichloroethene	0.330	0.382	0.360	0.360	0.383	0.356	0.362	5.39
45) C	1,2-Dichloropr...	0.254	0.313	0.297	0.296	0.323	0.301	0.297	7.89#
46) T	Dibromomethane	0.152	0.178	0.167	0.165	0.181	0.169	0.169	6.17
47) T	Bromodichlorom...	0.378	0.439	0.433	0.419	0.466	0.436	0.428	6.81
48) T	Methyl methacr...	0.143	0.186	0.174	0.164	0.191	0.177	0.172	10.04
49) T	1,4-Dioxane	0.004	0.003	0.002	0.002	0.002	0.002	0.002	30.01
50) S	Toluene-d8	1.142	1.123	1.164	1.155	1.301	1.205	1.182	5.46
51) T	4-Methyl-2-Pen...	0.167	0.200	0.191	0.180	0.207	0.190	0.189	7.53
52) CM	Toluene	0.727	0.816	0.800	0.799	0.860	0.802	0.801	5.36#
53) T	t-1,3-Dichloro...	0.378	0.435	0.424	0.413	0.470	0.447	0.428	7.33
54) T	cis-1,3-Dichlo...	0.443	0.520	0.503	0.486	0.546	0.514	0.502	7.05
55) T	1,1,2-Trichlor...	0.213	0.257	0.236	0.228	0.254	0.236	0.237	6.98
56) T	Ethyl methacry...	0.262	0.307	0.307	0.300	0.349	0.324	0.308	9.29

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57)	T	1,3-Dichloropr...	0.379	0.422	0.409	0.383	0.431	0.400	0.404	5.13
58)	T	2-Chloroethyl ...	0.146	0.146	0.153	0.141	0.159	0.151	0.149	4.16
59)	T	2-Hexanone	0.115	0.139	0.130	0.123	0.142	0.129	0.130	7.81
60)	T	Dibromochlorom...	0.261	0.313	0.298	0.288	0.322	0.303	0.298	7.22
61)	T	1,2-Dibromoethane	0.203	0.237	0.228	0.217	0.242	0.227	0.226	6.21
62)	S	4-Bromofluorob...	0.423	0.395	0.401	0.372	0.434	0.401	0.404	5.38
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.431	0.472	0.446	0.445	0.458	0.416	0.445	4.48
65)	PM	Chlorobenzene	0.903	1.021	0.994	0.984	1.061	0.996	0.993	5.28
66)	T	1,1,1,2-Tetrac...	0.314	0.380	0.368	0.365	0.400	0.382	0.368	7.92
67)	C	Ethyl Benzene	1.531	1.794	1.784	1.801	1.937	1.813	1.777	7.48#
68)	T	m/p-Xylenes	0.592	0.690	0.691	0.698	0.748	0.700	0.687	7.44
69)	T	o-Xylene	0.580	0.657	0.649	0.655	0.716	0.676	0.656	6.75
70)	T	Styrene	0.944	1.088	1.093	1.091	1.193	1.129	1.090	7.50
71)	P	Bromoform	0.180	0.212	0.201	0.195	0.226	0.211	0.204	7.71
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.270	3.831	3.777	3.766	4.045	3.815	3.751	6.85
74)	T	N-amyl acetate	0.687	0.824	0.817	0.789	0.918	0.855	0.815	9.42
75)	P	1,1,2,2-Tetrac...	0.530	0.642	0.599	0.549	0.645	0.617	0.597	8.02
76)	T	1,2,3-Trichlor...	0.435	0.564	0.445	0.499	0.475	0.407	0.471	11.88
77)	T	Bromobenzene	0.761	0.891	0.842	0.820	0.913	0.867	0.849	6.42
78)	T	n-propylbenzene	3.987	4.505	4.459	4.473	4.751	4.430	4.434	5.59
79)	T	2-Chlorotoluene	2.192	2.561	2.519	2.440	2.642	2.486	2.473	6.22
80)	T	1,3,5-Trimethy...	2.715	3.098	3.083	3.035	3.267	3.034	3.039	5.93
81)	T	trans-1,4-Dich...	0.196	0.219	0.210	0.205	0.243	0.230	0.217	8.03
82)	T	4-Chlorotoluene	2.320	2.613	2.564	2.493	2.715	2.533	2.540	5.20
83)	T	tert-Butylbenzene	2.392	2.801	2.756	2.757	2.928	2.680	2.719	6.61
84)	T	1,2,4-Trimethy...	2.775	3.099	3.037	2.965	3.200	2.964	3.007	4.79
85)	T	sec-Butylbenzene	3.629	4.091	4.042	4.024	4.259	3.898	3.991	5.32
86)	T	p-Isopropyltol...	2.999	3.386	3.357	3.349	3.538	3.214	3.307	5.53
87)	T	1,3-Dichlorobe...	1.552	1.758	1.677	1.645	1.789	1.656	1.680	5.06
88)	T	1,4-Dichlorobe...	1.597	1.746	1.675	1.588	1.747	1.608	1.660	4.44
89)	T	n-Butylbenzene	2.881	3.141	3.088	3.070	3.183	2.871	3.039	4.37
90)	T	Hexachloroethane	0.471	0.565	0.565	0.575	0.645	0.598	0.570	9.99
91)	T	1,2-Dichlorobe...	1.354	1.532	1.454	1.403	1.544	1.420	1.451	5.15
92)	T	1,2-Dibromo-3-...	0.114	0.115	0.103	0.099	0.108	0.101	0.107	6.51
93)	T	1,2,4-Trichlor...	0.907	0.961	0.910	0.883	0.907	0.807	0.896	5.66
94)	T	Hexachlorobuta...	0.500	0.544	0.515	0.488	0.472	0.418	0.489	8.75
95)	T	Naphthalene	1.806	1.857	1.706	1.633	1.811	1.628	1.740	5.65
96)	T	1,2,3-Trichlor...	0.796	0.819	0.785	0.737	0.775	0.679	0.765	6.56

(#) = Out of Range

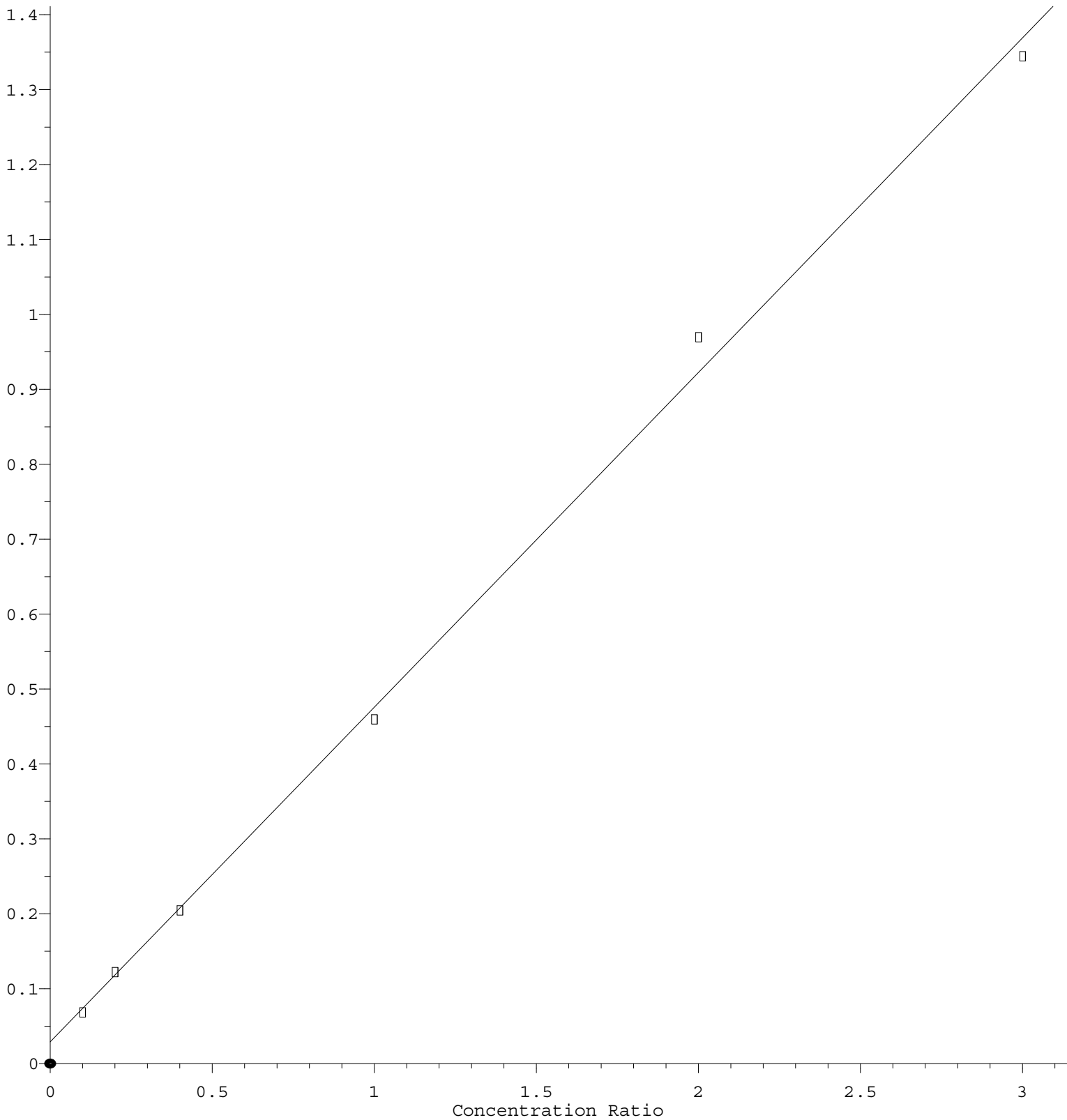
1,4-Dioxane



Response = $1.773 \times 10^{-3} \times \text{Amt} + 4.658 \times 10^{-3}$
 Coef of Det (r^2) = 0.989519 Curve Fit: Linear
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Methylene Chloride

Response Ratio



$$\text{Response} = 4.469\text{e-}001 * \text{Amt} + 2.899\text{e-}002$$

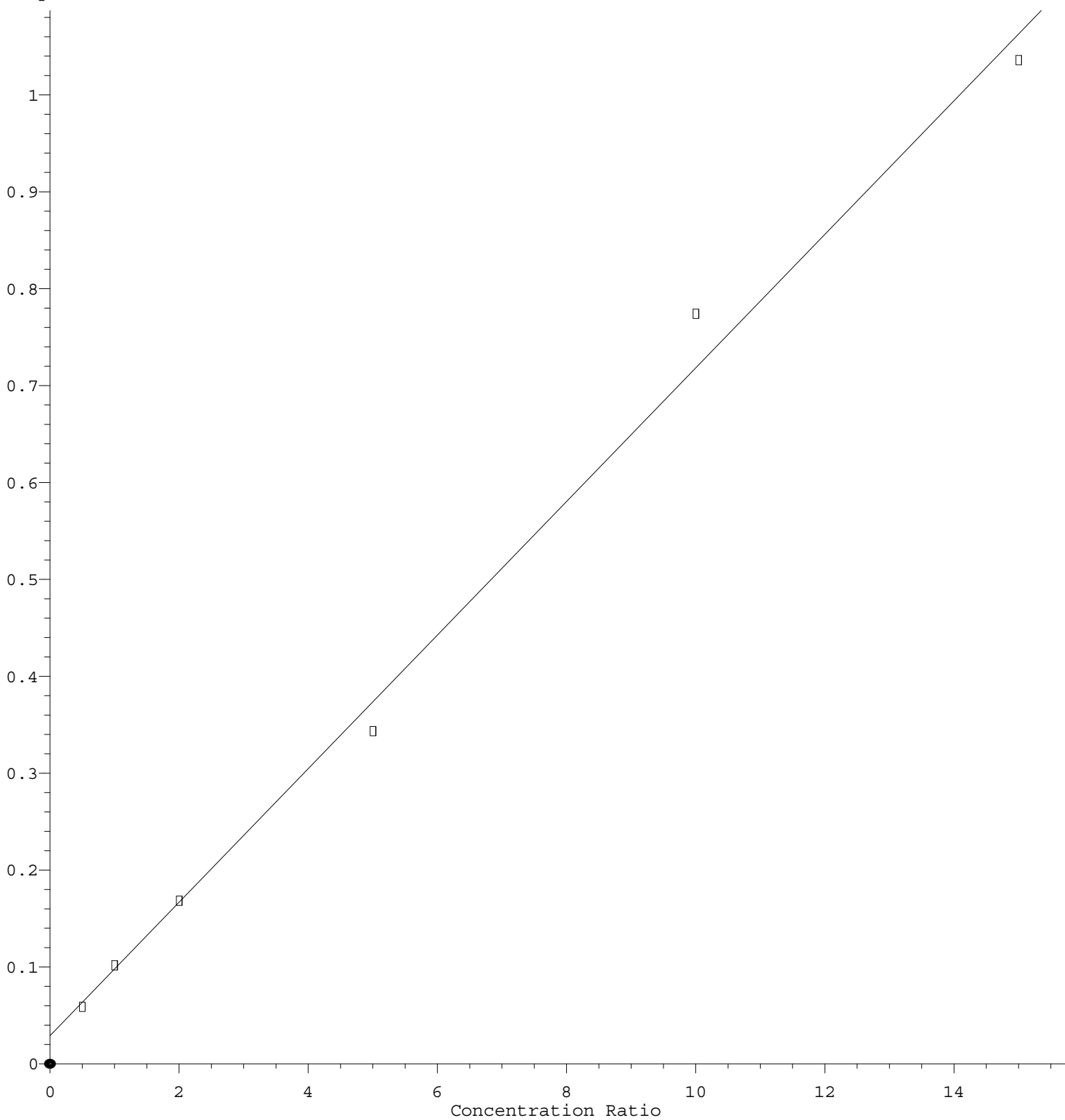
Coef of Det (r^2) = 0.997668 Curve Fit: Linear

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Acetone

Response Ratio



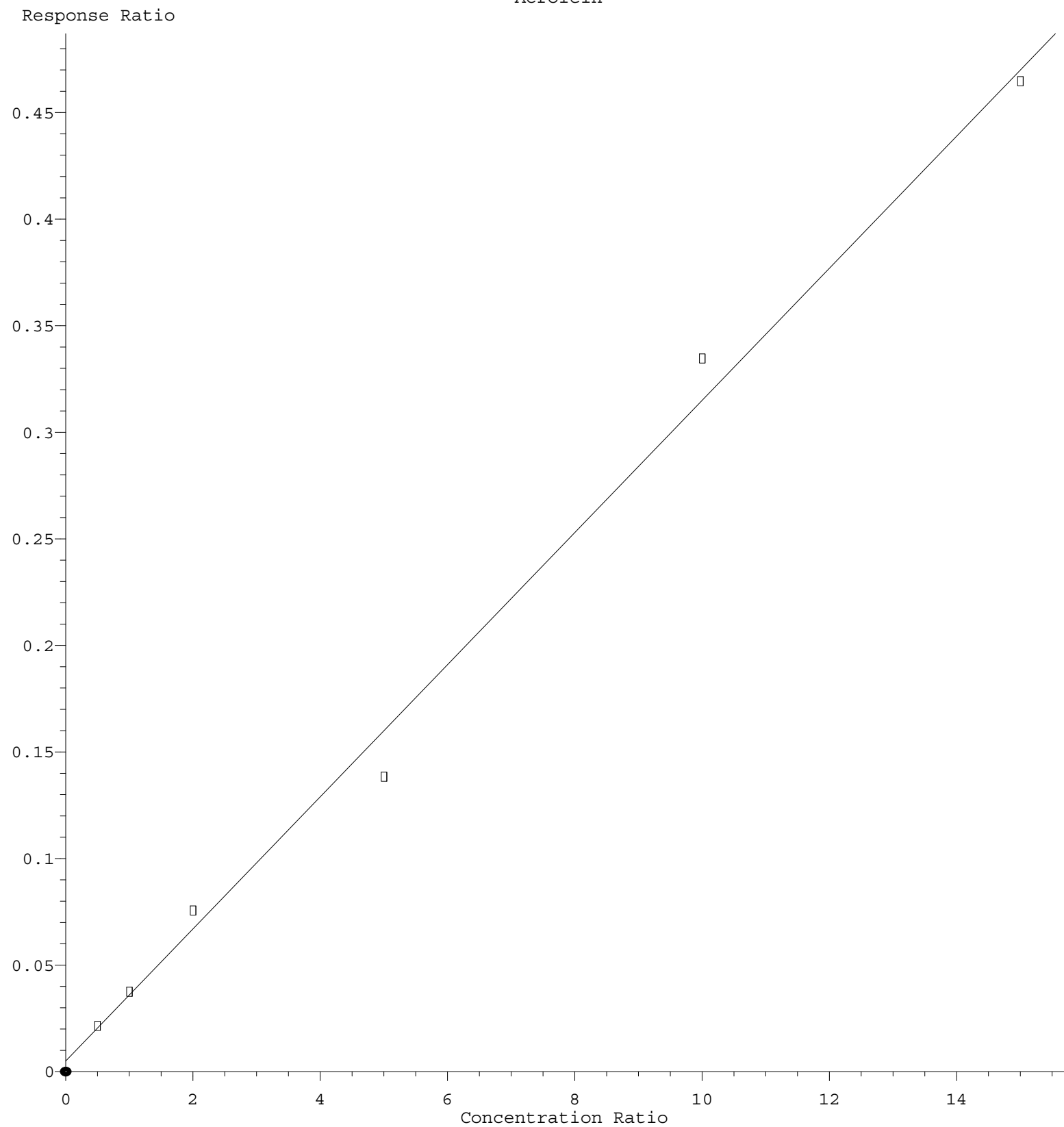
$$\text{Response} = 6.899\text{e-}002 * \text{Amt} + 2.850\text{e-}002$$

Coef of Det (r^2) = 0.994040 Curve Fit: Linear

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Acrolein



Response = $3.104 \times 10^{-2} \times \text{Amt} + 5.391 \times 10^{-3}$
 Coef of Det (r^2) = 0.994142 Curve Fit: Linear
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