

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D122623S.M
 Title : SW846 8260
 Last Update : Wed Dec 27 03:40:16 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD078076.D 10 =VD078077.D 20 =VD078078.D 50 =VD078079.D 100 =VD078080.D 150 =VD078081.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.523	0.492	0.418	0.389	0.366	0.383	0.429	15.00
3) P	Chloromethane	0.642	0.692	0.560	0.585	0.530	0.536	0.591	10.86
4) C	Vinyl Chloride	0.910	0.996	0.861	0.909	0.828	0.841	0.891	6.95#
5) T	Bromomethane	0.794	0.782	0.678	0.671	0.647	0.714	0.714	8.55
6) T	Chloroethane	0.673	0.729	0.645	0.651	0.599	0.630	0.655	6.73
7) T	Trichlorofluor...	0.930	0.966	0.843	0.836	0.770	0.799	0.857	8.86
8) T	Diethyl Ether	0.291	0.231	0.221	0.224	0.211	0.233	0.235	12.01
9) T	1,1,2-Trichlor...	0.608	0.583	0.527	0.515	0.478	0.493	0.534	9.57
10) T	Methyl Iodide	0.442	0.453	0.446	0.549	0.538	0.583	0.502	12.36
11) T	Tert butyl alc...	0.042	0.024	0.023	0.023	0.019	0.023	0.026	31.50
12) CM	1,1-Dichloroet...	0.508	0.512	0.439	0.469	0.440	0.466	0.473	6.68#
13) T	Acrolein	0.030	0.030	0.028	0.018	0.017	0.018	0.023	27.73
14) T	Allyl chloride	0.668	0.587	0.558	0.541	0.513	0.561	0.571	9.31
15) T	Acrylonitrile	0.110	0.105	0.091	0.097	0.090	0.097	0.098	8.01
16) T	Acetone	0.165	0.147	0.121	0.086	0.081	0.086	0.114	31.38
17) T	Carbon Disulfide	1.173	1.202	1.063	1.239	1.136	1.191	1.168	5.25
18) T	Methyl Acetate	0.386	0.369	0.294	0.385	0.361	0.393	0.365	10.06
19) T	Methyl tert-bu...	1.052	1.092	0.966	1.049	1.005	1.109	1.046	5.09
20) T	Methylene Chlo...	0.859	0.766	0.575	0.563	0.499	0.533	0.632	22.95
21) T	trans-1,2-Dich...	0.597	0.556	0.499	0.546	0.509	0.551	0.543	6.51
22) T	Diisopropyl ether	1.287	1.367	1.230	1.295	1.202	1.274	1.276	4.51
23) T	Vinyl Acetate	0.503	0.504	0.484	0.481	0.460	0.494	0.488	3.39
24) P	1,1-Dichloroet...	1.032	1.068	0.891	0.914	0.863	0.897	0.944	8.93
25) T	2-Butanone	0.177	0.162	0.136	0.115	0.106	0.118	0.136	20.89
26) T	2,2-Dichloropr...	0.942	0.937	0.785	0.832	0.770	0.823	0.848	8.78
27) T	cis-1,2-Dichlo...	0.693	0.693	0.595	0.640	0.600	0.644	0.644	6.64
28) T	Bromochloromet...	0.326	0.368	0.323	0.360	0.324	0.326	0.338	6.10
29) T	Tetrahydrofuran	0.077	0.078	0.064	0.065	0.061	0.068	0.069	10.02
30) C	Chloroform	1.103	1.127	0.966	1.021	0.929	0.993	1.023	7.59#
31) T	Cyclohexane	0.798	0.765	0.667	0.704	0.654	0.671	0.710	8.29
32) T	1,1,1-Trichlor...	0.907	0.930	0.856	0.882	0.822	0.879	0.879	4.29
33) S	1,2-Dichloroet...	0.502	0.485	0.438	0.407	0.417	0.420	0.445	8.85
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.366	0.350	0.314	0.280	0.310	0.311	0.322	9.67
36) T	1,1-Dichloropr...	0.462	0.477	0.425	0.452	0.444	0.455	0.453	3.82
37) T	Ethyl Acetate	0.193	0.153	0.128	0.143	0.137	0.149	0.151	14.91
38) T	Carbon Tetrach...	0.515	0.491	0.472	0.480	0.486	0.499	0.491	3.14
39) T	Methylcyclohexane	0.515	0.514	0.492	0.515	0.530	0.548	0.519	3.58
40) TM	Benzene	1.317	1.358	1.218	1.312	1.279	1.344	1.305	3.87
41) T	Methacrylonitrile	0.104	0.114	0.075	0.090	0.093	0.096	0.095	13.71
42) TM	1,2-Dichloroet...	0.375	0.370	0.339	0.352	0.332	0.348	0.353	4.85
43) T	Isopropyl Acetate	0.340	0.313	0.275	0.292	0.285	0.303	0.301	7.61
44) TM	Trichloroethene	0.408	0.395	0.341	0.369	0.355	0.383	0.375	6.64
45) C	1,2-Dichloropr...	0.364	0.343	0.302	0.331	0.317	0.328	0.331	6.46#
46) T	Dibromomethane	0.187	0.189	0.175	0.189	0.179	0.192	0.185	3.45
47) T	Bromodichlorom...	0.525	0.509	0.450	0.467	0.458	0.477	0.481	6.20
48) T	Methyl methacr...	0.192	0.165	0.152	0.169	0.164	0.178	0.170	8.01
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	11.82
50) S	Toluene-d8	1.146	1.159	1.095	1.041	1.172	1.179	1.132	4.75
51) T	4-Methyl-2-Pen...	0.165	0.156	0.149	0.151	0.148	0.158	0.155	4.26
52) CM	Toluene	0.829	0.850	0.779	0.855	0.858	0.907	0.846	4.94#
53) T	t-1,3-Dichloro...	0.449	0.436	0.397	0.440	0.433	0.463	0.436	5.05
54) T	cis-1,3-Dichlo...	0.559	0.532	0.482	0.523	0.509	0.539	0.524	5.05
55) T	1,1,2-Trichlor...	0.285	0.257	0.242	0.257	0.255	0.267	0.261	5.54
56) T	Ethyl methacry...	0.218	0.194	0.181	0.209	0.213	0.226	0.207	7.94

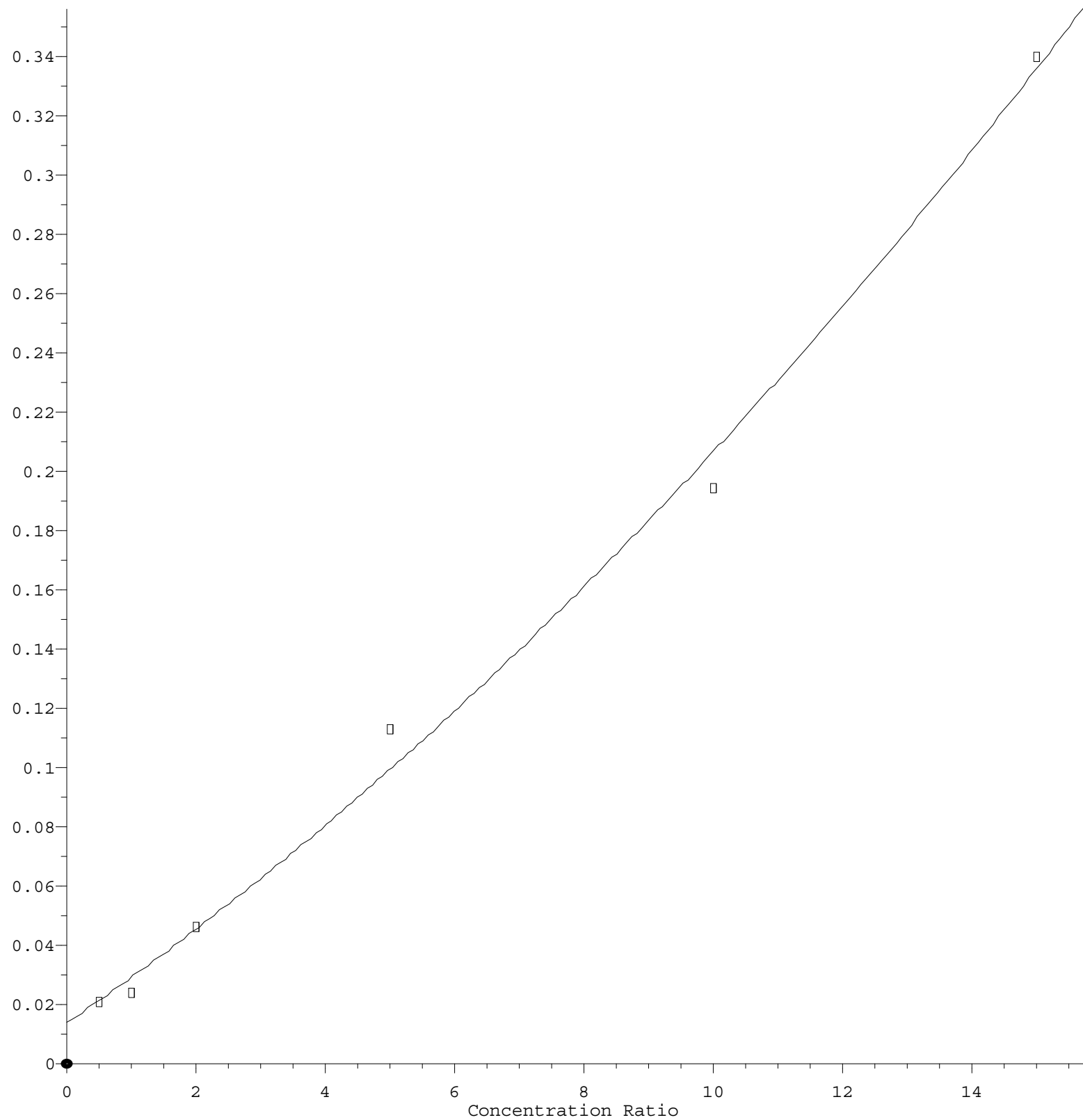
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57)	T	1,3-Dichloropr...	0.455	0.450	0.385	0.425	0.416	0.437	0.428	5.96
58)	T	2-Chloroethyl ...	0.081	0.087	0.088	0.109	0.100	0.072	0.090	14.64
59)	T	2-Hexanone	0.138	0.132	0.119	0.109	0.107	0.116	0.120	10.45
60)	T	Dibromochlorom...	0.332	0.339	0.307	0.334	0.328	0.351	0.332	4.40
61)	T	1,2-Dibromoethane	0.264	0.263	0.227	0.247	0.243	0.256	0.250	5.66
62)	S	4-Bromofluorob...	0.390	0.377	0.346	0.330	0.373	0.369	0.364	6.08
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.351	0.347	0.313	0.330	0.338	0.348	0.338	4.30
65)	PM	Chlorobenzene	1.140	1.102	0.987	1.043	1.021	1.080	1.062	5.25
66)	T	1,1,1,2-Tetrac...	0.400	0.413	0.365	0.396	0.403	0.436	0.402	5.77
67)	C	Ethyl Benzene	1.766	1.844	1.731	1.866	1.908	1.996	1.852	5.20#
68)	T	m/p-Xylenes	0.670	0.710	0.666	0.731	0.751	0.797	0.721	6.97
69)	T	o-Xylene	0.642	0.647	0.621	0.675	0.704	0.741	0.672	6.59
70)	T	Styrene	0.875	0.949	0.918	1.042	1.051	1.115	0.992	9.26
71)	P	Bromoform	0.232	0.236	0.201	0.214	0.219	0.229	0.222	5.98
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.619	3.388	3.238	3.395	3.410	3.614	3.444	4.28
74)	T	N-amyl acetate	0.656	0.606	0.548	0.551	0.511	0.558	0.572	8.94
75)	P	1,1,2,2-Tetrac...	0.703	0.695	0.596	0.601	0.564	0.596	0.626	9.33
76)	T	1,2,3-Trichlor...	0.493	0.436	0.420	0.414	0.368	0.400	0.422	9.85
77)	T	Bromobenzene	0.896	0.839	0.800	0.814	0.812	0.866	0.838	4.40
78)	T	n-propylbenzene	4.404	4.284	3.932	4.041	4.014	4.197	4.145	4.35
79)	T	2-Chlorotoluene	2.394	2.344	2.142	2.180	2.139	2.254	2.242	4.80
80)	T	1,3,5-Trimethy...	2.913	2.922	2.667	2.850	2.798	2.940	2.848	3.63
81)	T	trans-1,4-Dich...	0.235	0.202	0.183	0.184	0.180	0.192	0.196	10.53
82)	T	4-Chlorotoluene	2.616	2.550	2.236	2.375	2.256	2.390	2.404	6.37
83)	T	tert-Butylbenzene	2.662	2.526	2.379	2.504	2.564	2.675	2.552	4.31
84)	T	1,2,4-Trimethy...	3.061	2.903	2.639	2.854	2.881	3.070	2.901	5.46
85)	T	sec-Butylbenzene	3.747	3.694	3.478	3.591	3.599	3.748	3.643	2.92
86)	T	p-Isopropyltol...	3.225	3.168	3.066	3.168	3.340	3.592	3.260	5.69
87)	T	1,3-Dichlorobe...	1.815	1.738	1.560	1.701	1.716	1.869	1.733	6.13
88)	T	1,4-Dichlorobe...	1.891	1.746	1.578	1.673	1.608	1.704	1.700	6.59
89)	T	n-Butylbenzene	3.093	3.109	2.841	2.909	2.928	3.075	2.992	3.79
90)	T	Hexachloroethane	0.703	0.677	0.625	0.633	0.619	0.654	0.652	5.05
91)	T	1,2-Dichlorobe...	1.680	1.541	1.353	1.463	1.397	1.498	1.489	7.77
92)	T	1,2-Dibromo-3-...	0.104	0.099	0.076	0.085	0.078	0.085	0.088	12.78
93)	T	1,2,4-Trichlor...	1.136	0.974	0.850	0.922	0.930	1.019	0.972	10.13
94)	T	Hexachlorobuta...	0.602	0.542	0.506	0.517	0.533	0.576	0.546	6.66
95)	T	Naphthalene	1.892	1.533	1.445	1.609	1.628	1.820	1.655	10.30
96)	T	1,2,3-Trichlor...	0.909	0.801	0.755	0.795	0.810	0.877	0.825	6.93

(#) = Out of Range

Tert butyl alcohol

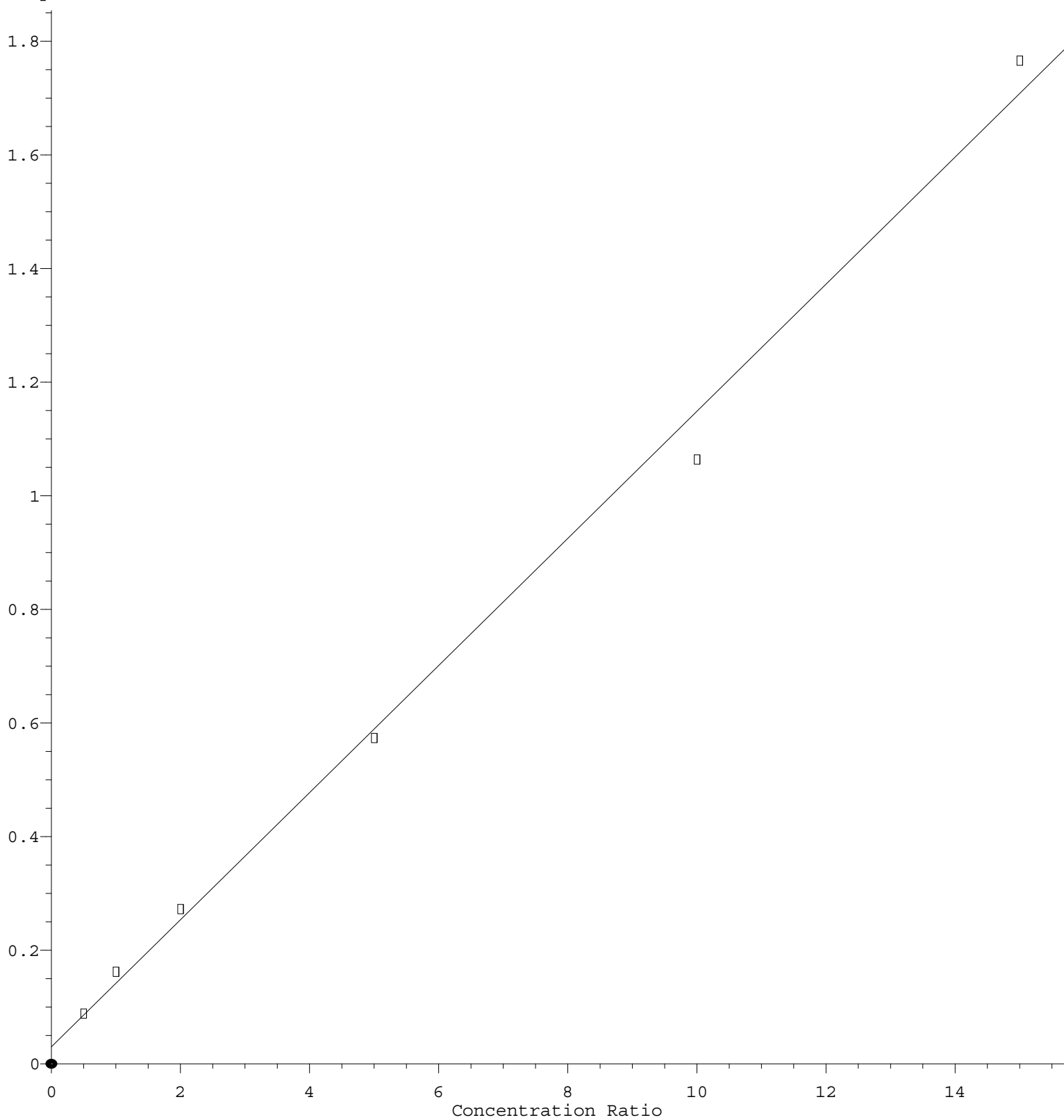
Response Ratio



$R = 4.377e-004 A^2 + 1.490e-002 A + 1.390e-002$
 Coef of Det (r^2) = 0.995121 Curve Fit: Quadratic
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2-Butanone

Response Ratio



$$\text{Response} = 1.119\text{e-}001 * \text{Amt} + 2.952\text{e-}002$$

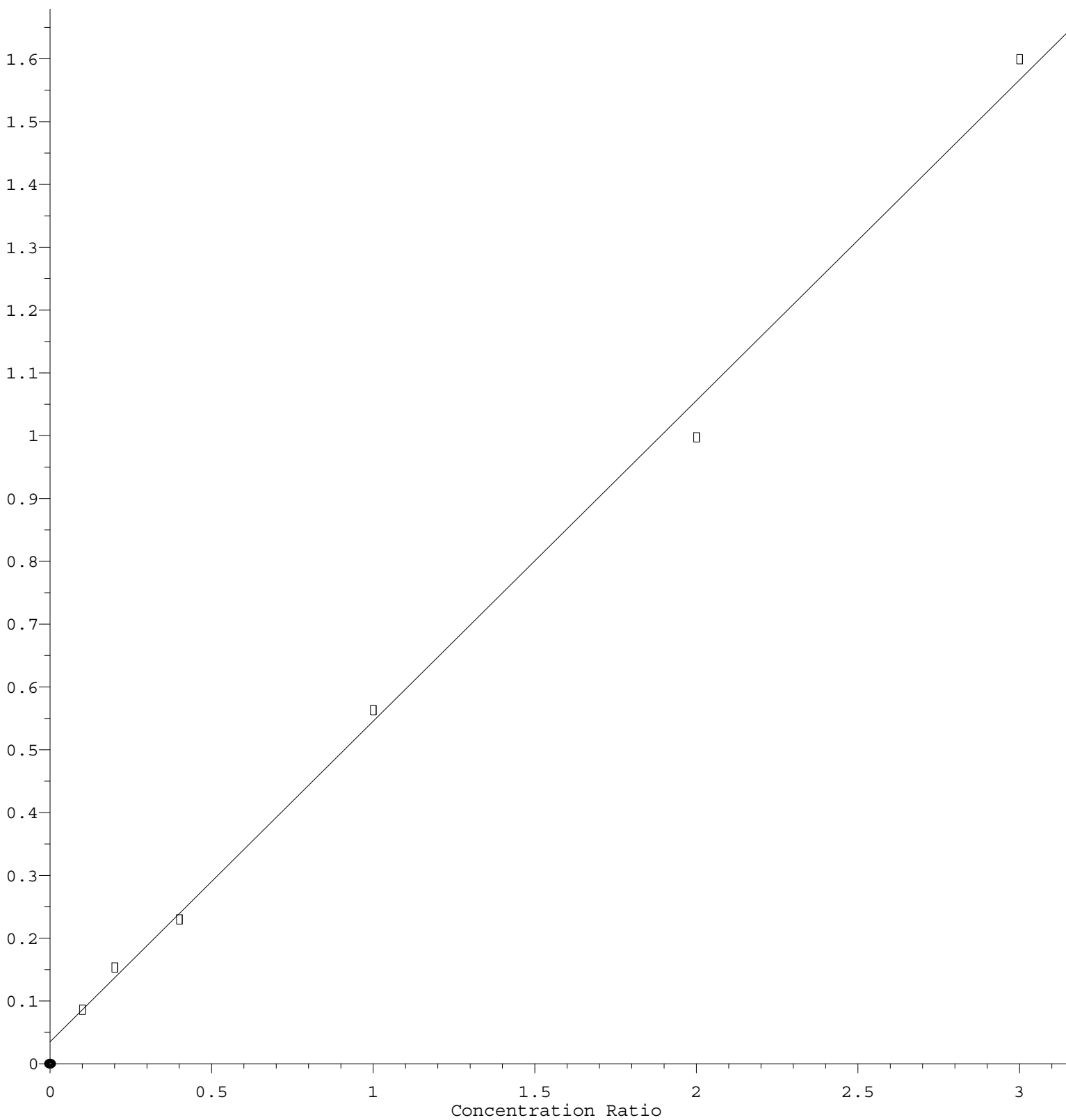
Coef of Det (r^2) = 0.994530 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 5.105\text{e-}001 * \text{Amt} + 3.470\text{e-}002$$

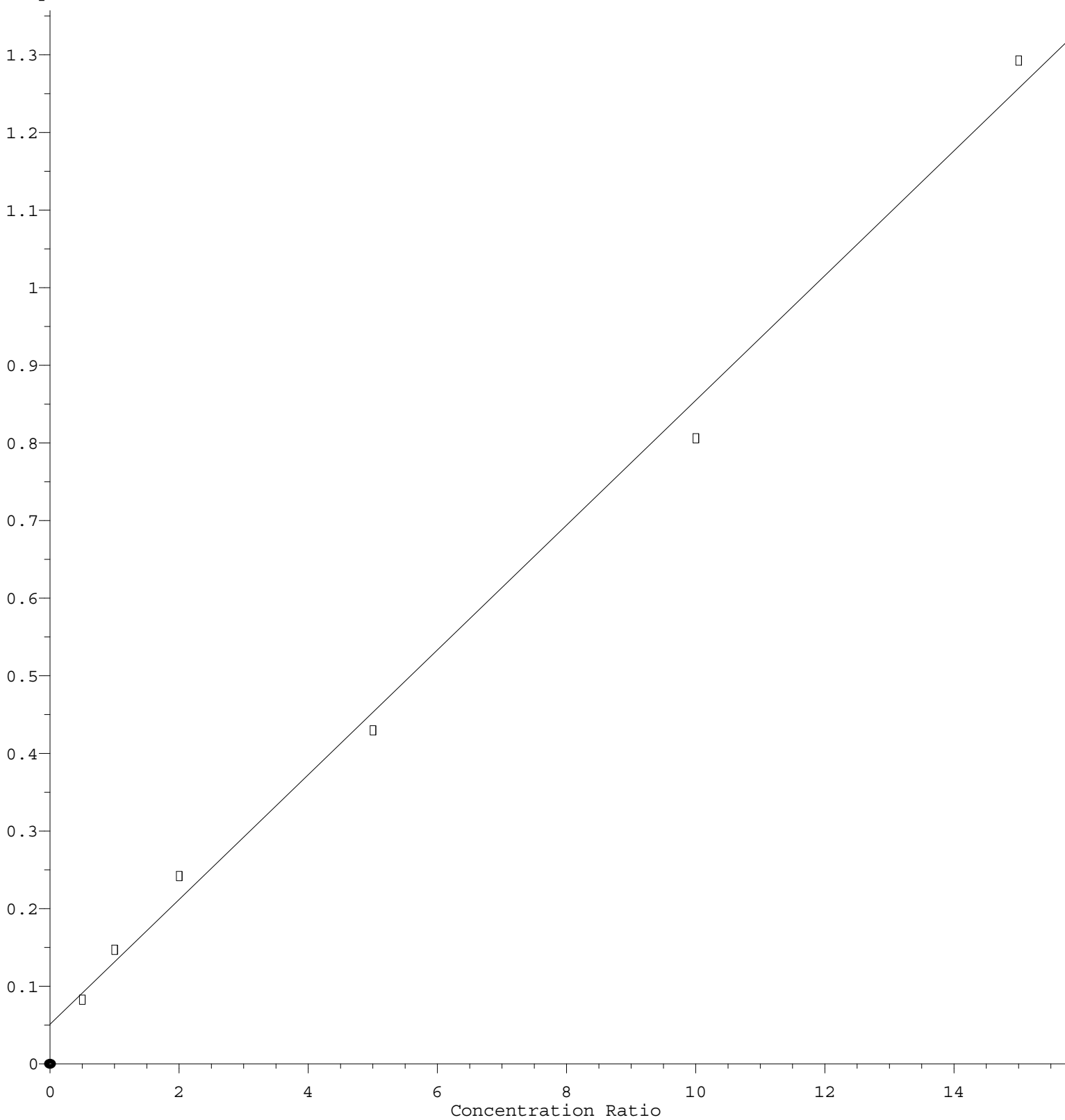
Coef of Det (r^2) = 0.997055 Curve Fit: Linear

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Acetone

Response Ratio



$$\text{Response} = 8.038\text{e-}002 * \text{Amt} + 5.115\text{e-}002$$

Coef of Det (r^2) = 0.995026 Curve Fit: Linear

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