

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y062323S.M
 Title : SW846 8260
 Last Update : Fri Jun 23 17:18:46 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY014397.D 10 =VY014398.D 20 =VY014399.D 50 =VY014400.D 100 =VY014401.D 150 =VY014402.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.456	0.572	0.520	0.416	0.411	0.409	0.464	14.61
3) P	Chloromethane	0.442	0.503	0.478	0.440	0.431	0.432	0.454	6.49
4) C	Vinyl Chloride	0.469	0.563	0.512	0.480	0.477	0.469	0.495	7.46#
5) T	Bromomethane	0.469	0.511	0.451	0.403	0.383	0.393	0.435	11.61
6) T	Chloroethane	0.326	0.353	0.335	0.323	0.318	0.312	0.328	4.45
7) T	Trichlorofluor...	0.983	1.070	1.017	0.937	0.930	0.927	0.977	5.91
8) T	Diethyl Ether	0.304	0.301	0.307	0.296	0.284	0.295	0.298	2.67
9) T	1,1,2-Trichlor...	0.450	0.494	0.474	0.448	0.453	0.452	0.462	4.00
10) T	Methyl Iodide	0.372	0.489	0.513	0.610	0.630	0.636	0.541	19.15
11) T	Tert butyl alc...	0.114	0.108	0.119	0.084	0.076	0.086	0.098	18.40
12) CM	1,1-Dichloroet...	0.438	0.492	0.467	0.453	0.458	0.456	0.461	3.93#
13) T	Acrolein	0.034	0.081	0.090	0.086	0.080	0.085	0.076	27.56
14) T	Allyl chloride	0.684	0.713	0.733	0.750	0.751	0.782	0.736	4.60
15) T	Acrylonitrile	0.160	0.162	0.172	0.170	0.159	0.177	0.167	4.29
16) T	Acetone	0.193	0.181	0.186	0.218	0.194	0.201	0.195	6.78
17) T	Carbon Disulfide	1.173	1.588	1.500	1.447	1.422	1.422	1.425	9.71
18) T	Methyl Acetate	0.723	0.644	0.684	0.670	0.615	0.694	0.672	5.63
19) T	Methyl tert-bu...	1.289	1.400	1.394	1.475	1.442	1.501	1.417	5.30
20) T	Methylene Chlo...	1.087	0.770	0.683	0.571	0.532	0.522	0.694	31.02
21) T	trans-1,2-Dich...	0.452	0.530	0.513	0.519	0.512	0.513	0.506	5.44
22) T	Diisopropyl ether	1.315	1.433	1.426	1.515	1.519	1.564	1.462	6.15
23) T	Vinyl Acetate	0.583	0.712	0.744	0.816	0.783	0.841	0.746	12.41
24) P	1,1-Dichloroet...	0.834	0.887	0.866	0.879	0.871	0.872	0.868	2.09
25) T	2-Butanone	0.243	0.229	0.240	0.255	0.234	0.259	0.243	4.80
26) T	2,2-Dichloropr...	0.973	0.963	0.905	0.899	0.892	0.876	0.918	4.34
27) T	cis-1,2-Dichlo...	0.530	0.601	0.568	0.579	0.569	0.574	0.570	4.06
28) T	Bromochloromet...	0.331	0.405	0.394	0.404	0.363	0.375	0.379	7.56
29) T	Tetrahydrofuran	0.132	0.135	0.148	0.152	0.142	0.162	0.145	7.67
30) C	Chloroform	0.971	1.015	0.960	0.993	0.970	0.966	0.979	2.11#
31) T	Cyclohexane	0.792	0.822	0.754	0.736	0.738	0.760	0.767	4.38
32) T	1,1,1-Trichlor...	0.878	0.984	0.932	0.941	0.930	0.927	0.932	3.62
33) S	1,2-Dichloroet...	0.628	0.641	0.597	0.652	0.604	0.603	0.621	3.66
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.283	0.306	0.307	0.329	0.316	0.311	0.309	4.85
36) T	1,1-Dichloropr...	0.433	0.494	0.487	0.481	0.482	0.479	0.476	4.57
37) T	Ethyl Acetate	0.321	0.309	0.332	0.337	0.320	0.350	0.328	4.42
38) T	Carbon Tetrach...	0.590	0.635	0.598	0.598	0.592	0.581	0.599	3.15
39) T	Methylcyclohexane	0.475	0.552	0.565	0.555	0.565	0.573	0.548	6.61
40) TM	Benzene	1.232	1.402	1.342	1.385	1.374	1.356	1.348	4.50
41) T	Methacrylonitrile	0.149	0.154	0.162	0.179	0.175	0.157	0.163	7.38
42) TM	1,2-Dichloroet...	0.497	0.540	0.508	0.520	0.503	0.500	0.511	3.16
43) T	Isopropyl Acetate	0.531	0.547	0.577	0.597	0.584	0.639	0.579	6.58
44) TM	Trichloroethene	0.378	0.413	0.386	0.388	0.380	0.378	0.387	3.40
45) C	1,2-Dichloropr...	0.307	0.317	0.317	0.321	0.322	0.324	0.318	1.84#
46) T	Dibromomethane	0.204	0.222	0.221	0.221	0.215	0.219	0.217	3.12
47) T	Bromodichlorom...	0.481	0.522	0.500	0.520	0.509	0.506	0.506	2.94
48) T	Methyl methacr...	0.234	0.256	0.272	0.279	0.275	0.299	0.269	8.22
49) T	1,4-Dioxane	0.003	0.003	0.004	0.003	0.003	0.004	0.003	6.58
50) S	Toluene-d8	1.153	1.236	1.195	1.317	1.254	1.213	1.228	4.53
51) T	4-Methyl-2-Pen...	0.297	0.303	0.331	0.343	0.327	0.360	0.327	7.32
52) CM	Toluene	0.786	0.881	0.861	0.903	0.894	0.881	0.868	4.89#
53) T	t-1,3-Dichloro...	0.498	0.545	0.540	0.574	0.567	0.570	0.549	5.22
54) T	cis-1,3-Dichlo...	0.506	0.579	0.560	0.581	0.584	0.588	0.566	5.49
55) T	1,1,2-Trichlor...	0.265	0.296	0.294	0.302	0.292	0.297	0.291	4.59
56) T	Ethyl methacry...	0.350	0.388	0.407	0.447	0.435	0.464	0.415	10.15

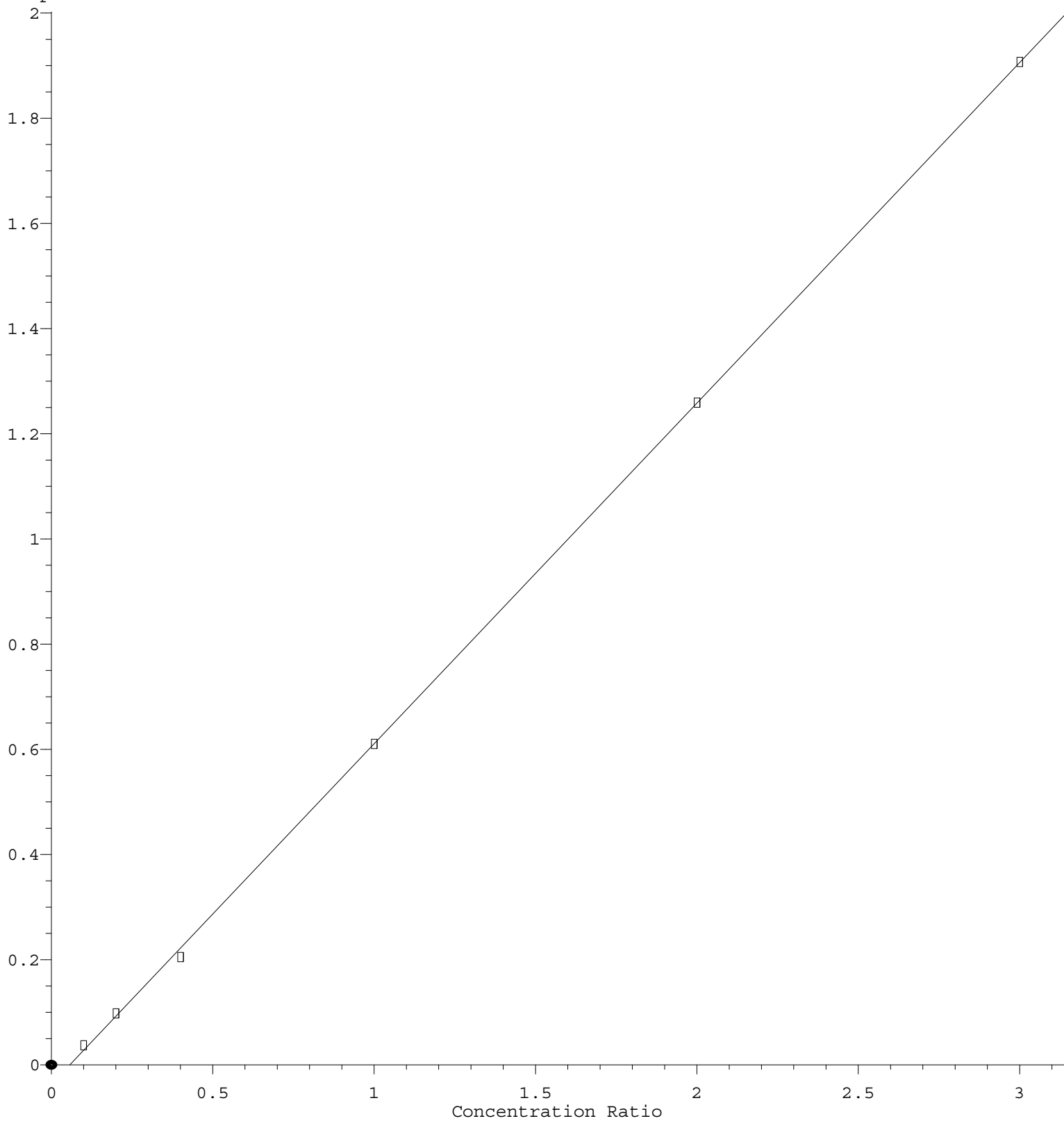
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57)	T	1,3-Dichloropr...	0.455	0.484	0.491	0.511	0.492	0.502	0.489	3.93
58)	T	2-Chloroethyl ...	0.139	0.193	0.205	0.215	0.202	0.214	0.195	14.59
59)	T	2-Hexanone	0.211	0.225	0.251	0.264	0.252	0.275	0.246	9.78
60)	T	Dibromochlorom...	0.358	0.394	0.383	0.399	0.390	0.390	0.386	3.77
61)	T	1,2-Dibromoethane	0.259	0.291	0.293	0.302	0.295	0.298	0.290	5.39
62)	S	4-Bromofluorob...	0.424	0.441	0.417	0.473	0.443	0.431	0.438	4.49
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.430	0.459	0.439	0.422	0.405	0.398	0.425	5.25
65)	PM	Chlorobenzene	0.989	1.058	1.017	1.044	1.027	1.028	1.027	2.30
66)	T	1,1,1,2-Tetrac...	0.402	0.426	0.411	0.421	0.410	0.413	0.414	2.11
67)	C	Ethyl Benzene	1.651	1.819	1.808	1.892	1.903	1.902	1.829	5.29#
68)	T	m/p-Xylenes	0.640	0.718	0.720	0.741	0.735	0.733	0.714	5.24
69)	T	o-Xylene	0.611	0.683	0.670	0.712	0.703	0.701	0.680	5.44
70)	T	Styrene	1.060	1.144	1.153	1.221	1.211	1.203	1.165	5.20
71)	P	Bromoform	0.298	0.301	0.303	0.315	0.302	0.314	0.306	2.33
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.048	3.405	3.297	3.388	3.520	3.544	3.367	5.36
74)	T	N-amyl acetate	0.908	0.962	1.038	1.111	1.140	1.238	1.066	11.38
75)	P	1,1,2,2-Tetrac...	0.698	0.688	0.709	0.726	0.721	0.775	0.720	4.26
76)	T	1,2,3-Trichlor...	0.621	0.578	0.597	0.612	0.647	0.709	0.627	7.35
77)	T	Bromobenzene	0.844	0.886	0.884	0.873	0.879	0.885	0.875	1.82
78)	T	n-propylbenzene	3.626	4.085	4.055	4.112	4.233	4.261	4.062	5.64
79)	T	2-Chlorotoluene	2.125	2.338	2.282	2.342	2.407	2.425	2.320	4.68
80)	T	1,3,5-Trimethy...	2.630	2.962	2.918	2.974	3.003	2.989	2.912	4.86
81)	T	trans-1,4-Dich...	0.249	0.255	0.276	0.282	0.284	0.307	0.275	7.63
82)	T	4-Chlorotoluene	2.275	2.505	2.470	2.503	2.528	2.546	2.471	4.02
83)	T	tert-Butylbenzene	2.271	2.523	2.421	2.514	2.633	2.619	2.497	5.40
84)	T	1,2,4-Trimethy...	2.583	2.921	2.880	2.941	2.997	2.994	2.886	5.37
85)	T	sec-Butylbenzene	3.250	3.663	3.590	3.664	3.734	3.764	3.611	5.18
86)	T	p-Isopropyltol...	2.838	3.161	3.123	3.169	3.242	3.224	3.126	4.73
87)	T	1,3-Dichlorobe...	1.619	1.704	1.689	1.703	1.705	1.712	1.688	2.07
88)	T	1,4-Dichlorobe...	1.659	1.762	1.692	1.690	1.685	1.696	1.697	2.01
89)	T	n-Butylbenzene	2.588	2.808	2.839	2.899	2.991	3.014	2.856	5.41
90)	T	Hexachloroethane	0.565	0.618	0.582	0.595	0.598	0.611	0.595	3.28
91)	T	1,2-Dichlorobe...	1.521	1.553	1.523	1.557	1.548	1.546	1.541	1.02
92)	T	1,2-Dibromo-3-...	0.157	0.151	0.165	0.159	0.153	0.170	0.159	4.61
93)	T	1,2,4-Trichlor...	0.915	0.958	0.985	1.029	1.037	1.084	1.001	6.08
94)	T	Hexachlorobuta...	0.601	0.616	0.611	0.591	0.591	0.600	0.602	1.66
95)	T	Naphthalene	1.972	1.848	2.090	2.246	2.247	2.515	2.153	10.96
96)	T	1,2,3-Trichlor...	0.861	0.857	0.902	0.927	0.929	0.996	0.912	5.65

(#) = Out of Range

Methyl Iodide

Response Ratio



$$\text{Response} = 6.477\text{e-}001 * \text{Amt} - 3.724\text{e-}002$$

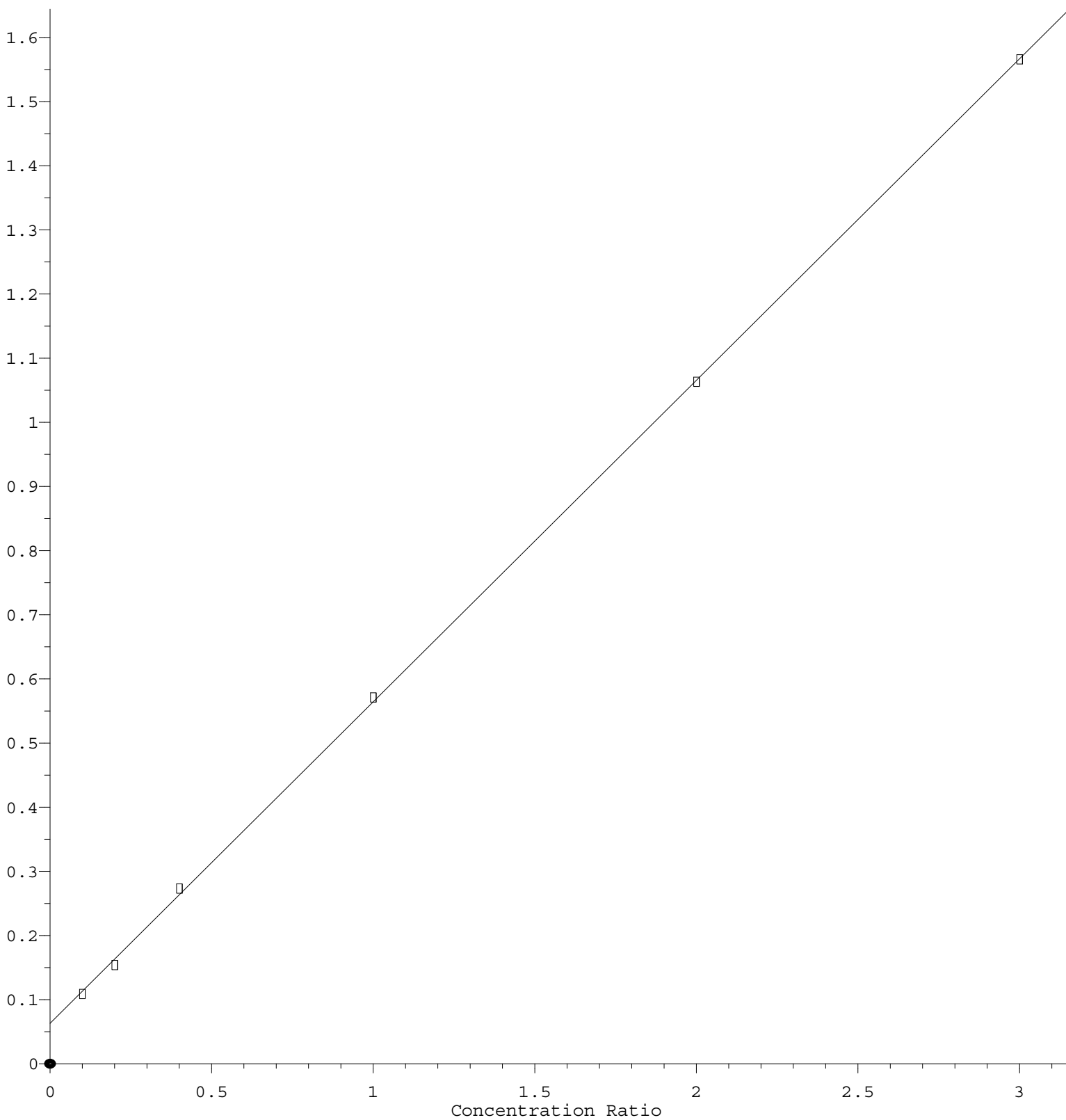
Coef of Det (r^2) = 0.999856 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 5.014\text{e-}001 * \text{Amt} + 6.270\text{e-}002$$

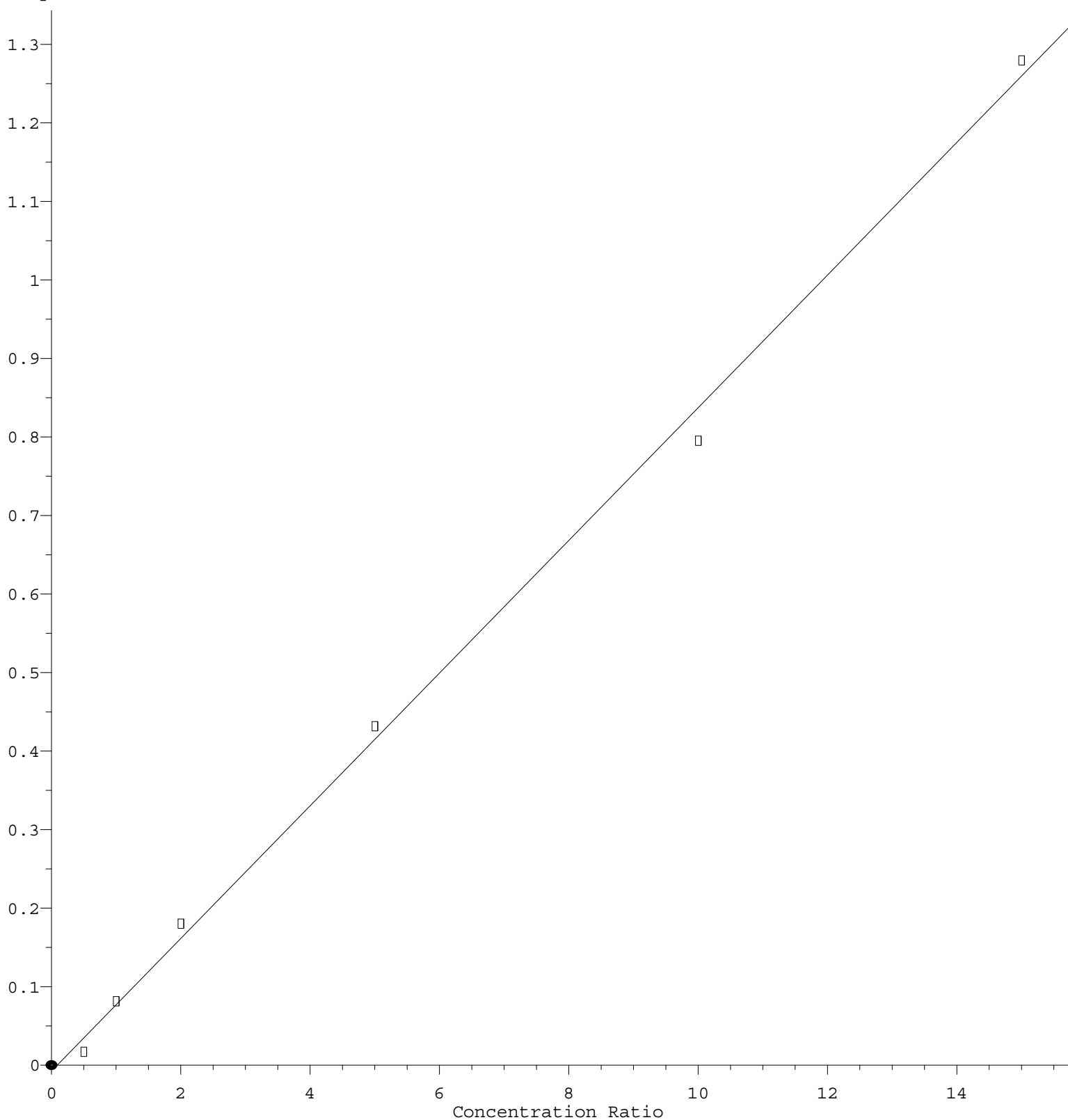
Coef of Det (r^2) = 0.999851 Curve Fit: Linear

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Acrolein

Response Ratio



$$\text{Response} = 8.445\text{e-}002 * \text{Amt} - 7.347\text{e-}003$$

Coef of Det (r^2) = 0.997394 Curve Fit: Linear

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