

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y063023S.M
 Title : SW846 8260
 Last Update : Fri Jun 30 19:02:11 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY014511.D 10 =VY014512.D 20 =VY014513.D 50 =VY014514.D 100 =VY014515.D 150 =VY014516.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.447	0.481	0.463	0.358	0.346	0.333	0.405	16.32
3) P	Chloromethane	0.607	0.676	0.626	0.550	0.515	0.499	0.579	11.86
4) C	Vinyl Chloride	0.685	0.756	0.712	0.639	0.614	0.598	0.667	9.15#
5) T	Bromomethane	0.595	0.591	0.544	0.473	0.454	0.448	0.518	13.07
6) T	Chloroethane	0.441	0.465	0.454	0.419	0.403	0.397	0.430	6.53
7) T	Trichlorofluor...	0.844	0.895	0.851	0.778	0.757	0.739	0.811	7.56
8) T	Diethyl Ether	0.318	0.320	0.309	0.307	0.293	0.295	0.307	3.69
9) T	1,1,2-Trichlor...	0.524	0.527	0.499	0.463	0.449	0.442	0.484	7.77
10) T	Methyl Iodide	0.458	0.521	0.542	0.587	0.602	0.605	0.552	10.33
11) T	Tert butyl alc...	0.144	0.102	0.107	0.085	0.082	0.082	0.100	23.81
12) CM	1,1-Dichloroet...	0.468	0.502	0.480	0.466	0.451	0.448	0.469	4.23#
13) T	Acrolein	0.032	0.075	0.073	0.066	0.065	0.066	0.063	25.18
14) T	Allyl chloride	0.693	0.725	0.718	0.714	0.697	0.695	0.707	1.96
15) T	Acrylonitrile	0.167	0.177	0.170	0.184	0.180	0.180	0.176	3.70
16) T	Acetone	0.180	0.159	0.145	0.157	0.148	0.142	0.155	8.91
17) T	Carbon Disulfide	1.318	1.593	1.531	1.419	1.364	1.350	1.429	7.68
18) T	Methyl Acetate	0.779	0.695	0.673	0.704	0.700	0.691	0.707	5.19
19) T	Methyl tert-bu...	1.270	1.340	1.322	1.398	1.375	1.381	1.348	3.49
20) T	Methylene Chlo...	0.976	0.774	0.658	0.577	0.532	0.520	0.673	26.14
21) T	trans-1,2-Dich...	0.516	0.573	0.544	0.533	0.513	0.506	0.531	4.72
22) T	Diisopropyl ether	1.328	1.512	1.516	1.529	1.441	1.414	1.457	5.36
23) T	Vinyl Acetate	0.684	0.846	0.842	0.918	0.884	0.882	0.843	9.80
24) P	1,1-Dichloroet...	0.943	0.973	0.926	0.912	0.871	0.861	0.914	4.67
25) T	2-Butanone	0.221	0.232	0.216	0.243	0.233	0.234	0.230	4.33
26) T	2,2-Dichloropr...	0.867	0.835	0.791	0.757	0.719	0.708	0.779	8.16
27) T	cis-1,2-Dichlo...	0.590	0.630	0.599	0.614	0.589	0.591	0.602	2.78
28) T	Bromochloromet...	0.364	0.431	0.419	0.386	0.358	0.346	0.384	8.95
29) T	Tetrahydrofuran	0.128	0.149	0.142	0.161	0.155	0.156	0.148	8.05
30) C	Chloroform	1.008	1.009	0.975	0.948	0.898	0.886	0.954	5.57#
31) T	Cyclohexane	0.844	0.841	0.795	0.752	0.724	0.726	0.780	7.00
32) T	1,1,1-Trichlor...	0.853	0.869	0.822	0.806	0.775	0.766	0.815	5.04
33) S	1,2-Dichloroet...	0.510	0.533	0.505	0.501	0.471	0.465	0.497	5.10
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.298	0.317	0.305	0.314	0.306	0.308	0.308	2.22
36) T	1,1-Dichloropr...	0.464	0.493	0.479	0.472	0.458	0.463	0.472	2.75
37) T	Ethyl Acetate	0.285	0.333	0.313	0.337	0.336	0.337	0.323	6.52
38) T	Carbon Tetrach...	0.506	0.517	0.495	0.485	0.477	0.474	0.492	3.41
39) T	Methylcyclohexane	0.522	0.570	0.563	0.571	0.574	0.582	0.564	3.78
40) TM	Benzene	1.436	1.494	1.447	1.429	1.379	1.379	1.427	3.06
41) T	Methacrylonitrile	0.163	0.145	0.141	0.163	0.165	0.172	0.158	7.85
42) TM	1,2-Dichloroet...	0.426	0.445	0.422	0.422	0.403	0.399	0.420	3.98
43) T	Isopropyl Acetate	0.511	0.535	0.528	0.572	0.566	0.575	0.548	4.90
44) TM	Trichloroethene	0.406	0.415	0.402	0.395	0.384	0.385	0.398	3.09
45) C	1,2-Dichloropr...	0.373	0.387	0.366	0.367	0.351	0.353	0.366	3.63#
46) T	Dibromomethane	0.220	0.235	0.221	0.225	0.218	0.219	0.223	2.77
47) T	Bromodichlorom...	0.499	0.513	0.490	0.493	0.477	0.474	0.491	2.95
48) T	Methyl methacr...	0.209	0.247	0.247	0.264	0.262	0.266	0.249	8.59
49) T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004	0.004	12.90
50) S	Toluene-d8	1.263	1.251	1.225	1.220	1.170	1.174	1.217	3.16
51) T	4-Methyl-2-Pen...	0.288	0.322	0.314	0.346	0.338	0.339	0.324	6.57
52) CM	Toluene	0.878	0.921	0.910	0.910	0.884	0.885	0.898	2.00#
53) T	t-1,3-Dichloro...	0.499	0.532	0.514	0.541	0.531	0.535	0.525	3.03
54) T	cis-1,3-Dichlo...	0.563	0.606	0.589	0.597	0.579	0.582	0.586	2.53
55) T	1,1,2-Trichlor...	0.326	0.336	0.318	0.333	0.315	0.318	0.324	2.61
56) T	Ethyl methacry...	0.371	0.426	0.427	0.469	0.474	0.479	0.441	9.41

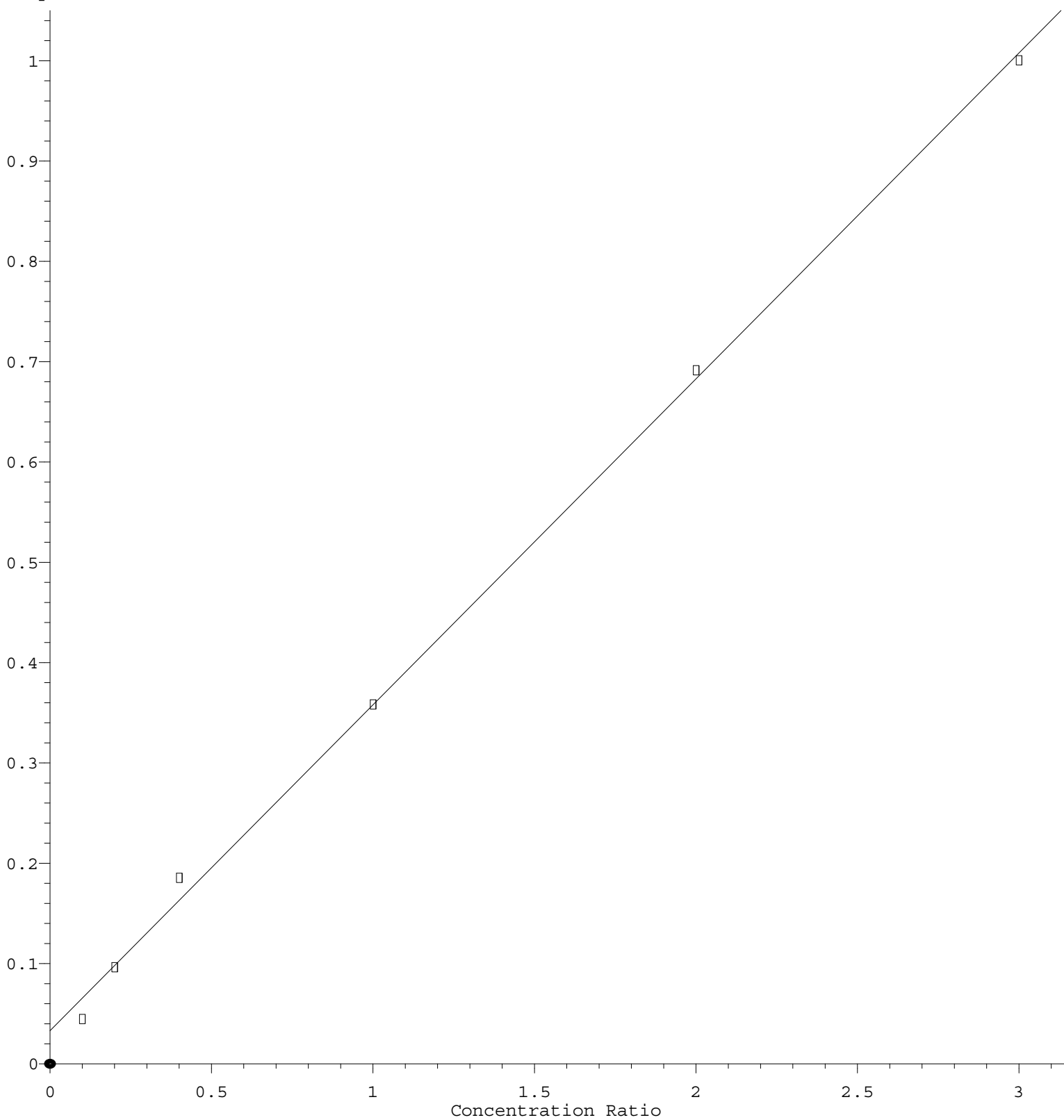
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57)	T	1,3-Dichloropr...	0.519	0.552	0.525	0.532	0.523	0.520	0.529	2.38
58)	T	2-Chloroethyl ...	0.155	0.214	0.220	0.233	0.232	0.229	0.214	13.94
59)	T	2-Hexanone	0.197	0.230	0.223	0.254	0.250	0.252	0.234	9.50
60)	T	Dibromochlorom...	0.369	0.390	0.377	0.386	0.379	0.379	0.380	1.94
61)	T	1,2-Dibromoethane	0.301	0.322	0.315	0.325	0.318	0.319	0.317	2.62
62)	S	4-Bromofluorob...	0.422	0.433	0.423	0.429	0.414	0.416	0.423	1.77
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.473	0.485	0.460	0.441	0.414	0.408	0.447	7.06
65)	PM	Chlorobenzene	1.095	1.099	1.058	1.064	1.037	1.040	1.066	2.51
66)	T	1,1,1,2-Tetrac...	0.406	0.421	0.398	0.406	0.399	0.401	0.405	2.11
67)	C	Ethyl Benzene	1.748	1.840	1.785	1.849	1.837	1.843	1.817	2.26#
68)	T	m/p-Xylenes	0.685	0.728	0.718	0.740	0.726	0.728	0.721	2.62
69)	T	o-Xylene	0.637	0.682	0.672	0.706	0.701	0.704	0.684	3.90
70)	T	Styrene	1.071	1.164	1.168	1.231	1.214	1.209	1.176	4.92
71)	P	Bromoform	0.295	0.311	0.298	0.314	0.314	0.315	0.308	2.93
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.112	3.228	3.271	3.344	3.315	3.379	3.275	2.93
74)	T	N-amyl acetate	0.861	0.970	0.945	1.045	1.033	1.077	0.988	8.04
75)	P	1,1,2,2-Tetrac...	0.843	0.831	0.808	0.859	0.839	0.863	0.840	2.38
76)	T	1,2,3-Trichlor...	0.599	0.600	0.559	0.592	0.586	0.584	0.587	2.55
77)	T	Bromobenzene	0.877	0.899	0.887	0.904	0.894	0.905	0.894	1.23
78)	T	n-propylbenzene	3.845	3.984	4.017	4.084	4.004	4.033	3.995	2.01
79)	T	2-Chlorotoluene	2.245	2.322	2.317	2.325	2.272	2.311	2.299	1.43
80)	T	1,3,5-Trimethy...	2.601	2.766	2.792	2.843	2.800	2.832	2.772	3.19
81)	T	trans-1,4-Dich...	0.284	0.295	0.287	0.307	0.314	0.322	0.301	5.01
82)	T	4-Chlorotoluene	2.345	2.490	2.432	2.425	2.370	2.389	2.408	2.15
83)	T	tert-Butylbenzene	2.291	2.406	2.406	2.495	2.486	2.535	2.436	3.60
84)	T	1,2,4-Trimethy...	2.550	2.778	2.765	2.858	2.802	2.845	2.766	4.06
85)	T	sec-Butylbenzene	3.477	3.642	3.590	3.637	3.625	3.601	3.595	1.71
86)	T	p-Isopropyltol...	2.840	3.021	2.985	3.093	3.090	3.123	3.026	3.44
87)	T	1,3-Dichlorobe...	1.782	1.782	1.742	1.739	1.713	1.735	1.749	1.58
88)	T	1,4-Dichlorobe...	1.839	1.823	1.722	1.724	1.698	1.710	1.753	3.51
89)	T	n-Butylbenzene	2.728	2.769	2.782	2.824	2.837	2.837	2.796	1.57
90)	T	Hexachloroethane	0.632	0.634	0.584	0.587	0.580	0.579	0.599	4.39
91)	T	1,2-Dichlorobe...	1.592	1.643	1.574	1.577	1.557	1.561	1.584	1.98
92)	T	1,2-Dibromo-3-...	0.156	0.154	0.139	0.156	0.157	0.162	0.154	4.97
93)	T	1,2,4-Trichlor...	0.975	1.000	0.952	1.040	1.074	1.098	1.023	5.60
94)	T	Hexachlorobuta...	0.649	0.657	0.599	0.616	0.628	0.622	0.629	3.39
95)	T	Naphthalene	1.823	1.987	1.924	2.282	2.470	2.575	2.177	14.24
96)	T	1,2,3-Trichlor...	0.872	0.914	0.863	0.952	0.985	1.007	0.932	6.32

(#) = Out of Range

Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 3.249\text{e-}001 * \text{Amt} + 3.319\text{e-}002$$

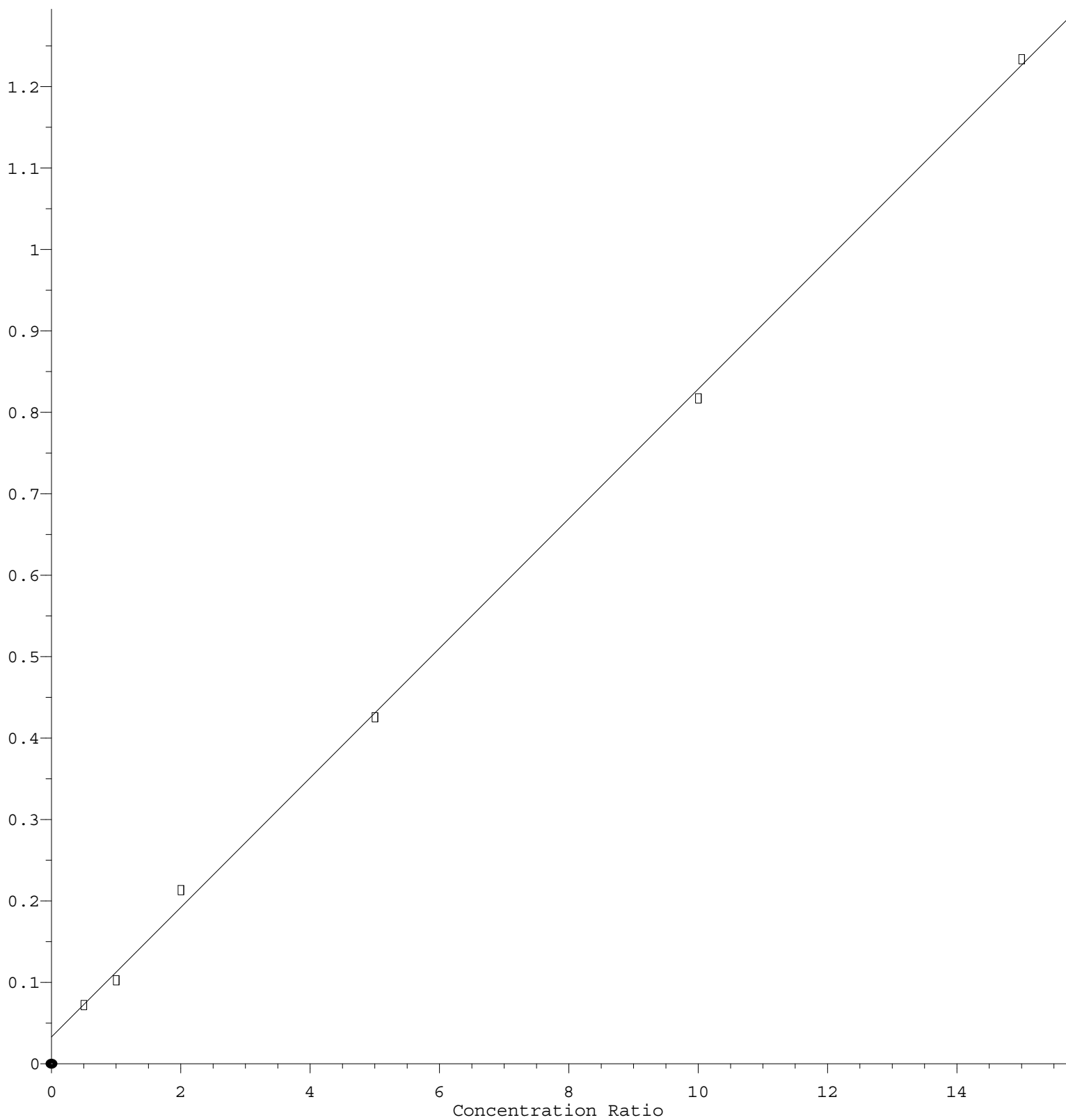
Coef of Det (r^2) = 0.998504 Curve Fit: Linear

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Tert butyl alcohol

Response Ratio



$$\text{Response} = 7.953\text{e-}002 * \text{Amt} + 3.328\text{e-}002$$

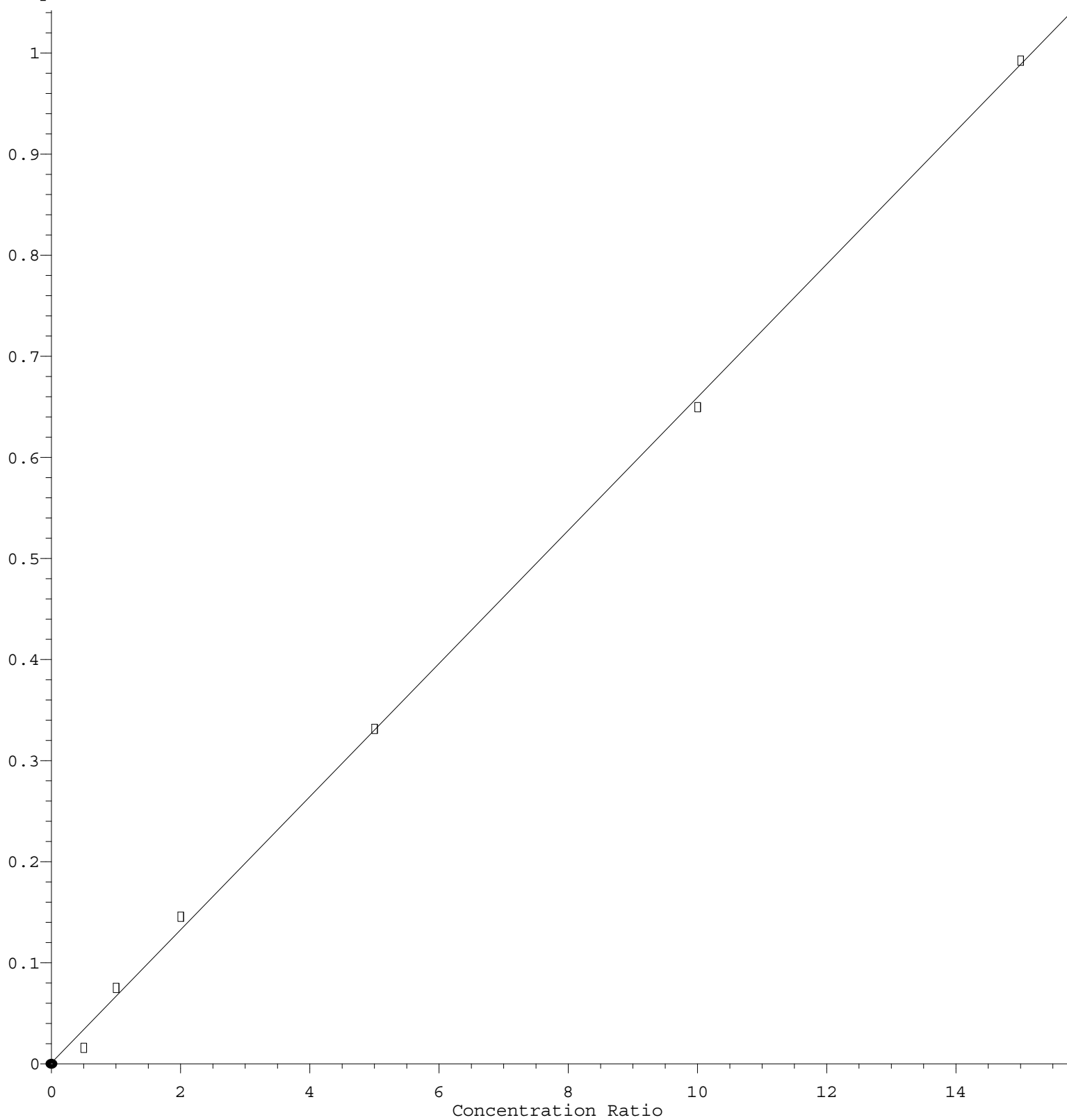
Coef of Det (r^2) = 0.999285 Curve Fit: Linear

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Acrolein

Response Ratio



$$\text{Response} = 6.584\text{e-}002 * \text{Amt} + 6.465\text{e-}004$$

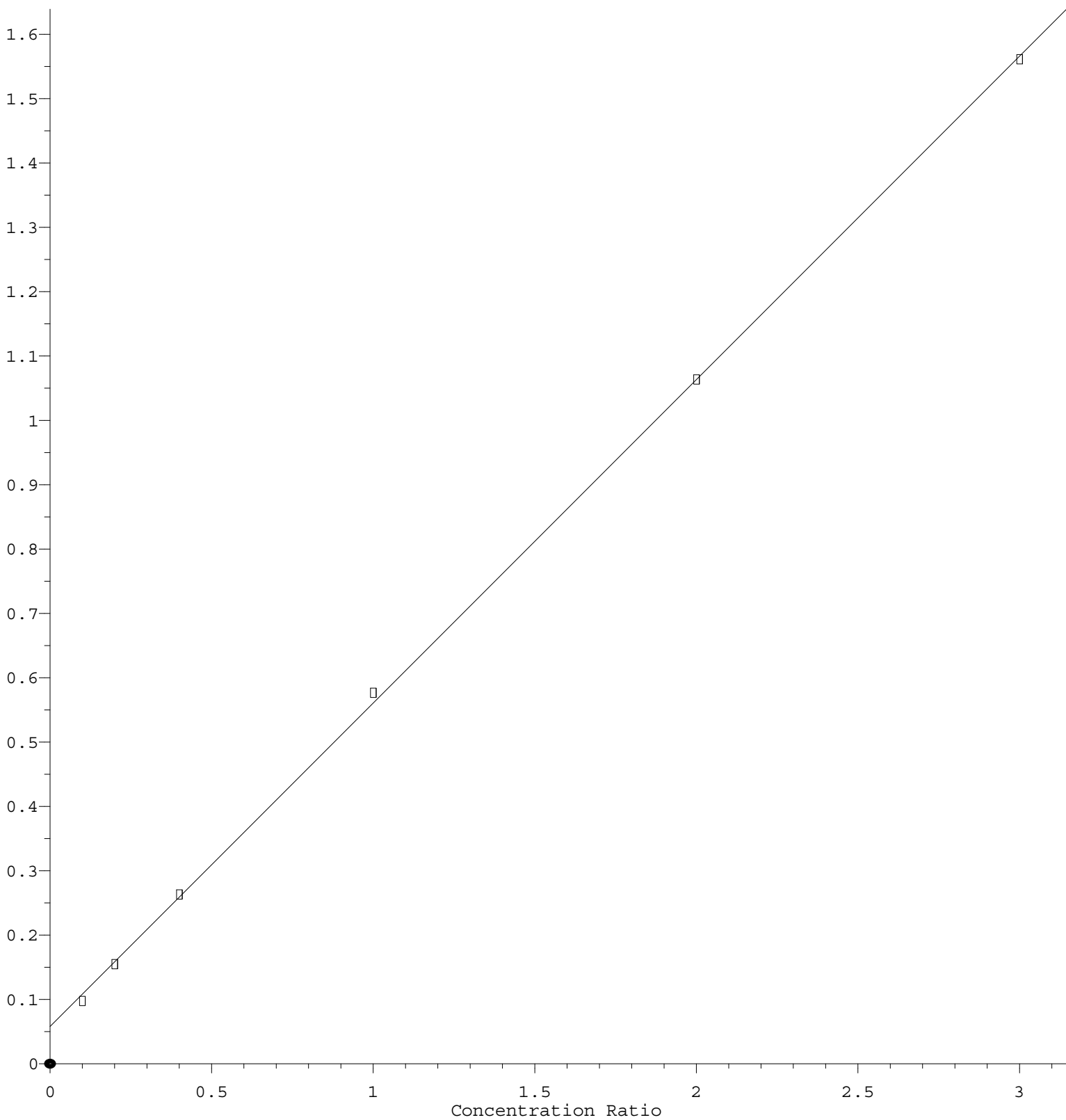
Coef of Det (r^2) = 0.999080 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 5.028\text{e-}001 * \text{Amt} + 5.808\text{e-}002$$

Coef of Det (r^2) = 0.999752 Curve Fit: Linear

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