

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y080822S.M
 Title : SW846 8260
 Last Update : Mon Aug 08 17:55:50 2022
 Response Via : Initial Calibration

Calibration Files

5 =VY009875.D 10 =VY009876.D 20 =VY009877.D 50 =VY009878.D 100 =VY009879.D 150 =VY009880.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.444	0.506	0.426	0.393	0.394	0.396	0.427	10.39
3) P	Chloromethane	0.646	0.523	0.471	0.529	0.526	0.488	0.530	11.52
4) C	Vinyl Chloride	0.662	0.530	0.501	0.567	0.552	0.499	0.552	10.92#
5) T	Bromomethane	0.507	0.393	0.322	0.383	0.353	0.296	0.375	19.70
6) T	Chloroethane	0.396	0.326	0.310	0.350	0.331	0.289	0.334	11.07
7) T	Trichlorofluor...	1.001	0.862	0.887	0.904	0.887	0.832	0.895	6.40
8) T	Diethyl Ether	0.356	0.308	0.291	0.300	0.313	0.303	0.312	7.40
9) T	1,1,2-Trichlor...	0.578	0.501	0.488	0.510	0.512	0.490	0.513	6.52
10) T	Methyl Iodide	0.553	0.507	0.517	0.648	0.674	0.638	0.589	12.32
11) T	Tert butyl alc...	0.069	0.061	0.056	0.053	0.050	0.051	0.057	12.76
12) CM	1,1-Dichloroet...	0.515	0.436	0.441	0.485	0.496	0.481	0.475	6.56#
13) T	Acrolein	0.009	0.009	0.008	0.003	0.003	0.003	0.006	49.17
14) T	Allyl chloride	0.936	0.831	0.806	0.906	0.940	0.896	0.886	6.26
15) T	Acrylonitrile	0.181	0.166	0.157	0.166	0.168	0.164	0.167	4.67
16) T	Acetone	0.166	0.147	0.124	0.150	0.137	0.123	0.141	11.68
17) T	Carbon Disulfide	1.749	1.230	1.179	1.654	1.670	1.612	1.516	16.21
18) T	Methyl Acetate	0.688	0.493	0.436	0.424	0.421	0.406	0.478	22.42
19) T	Methyl tert-bu...	1.331	1.276	1.229	1.352	1.403	1.368	1.327	4.80
20) T	Methylene Chlo...	1.660	1.123	0.833	0.673	0.634	0.584	0.918	44.95
21) T	trans-1,2-Dich...	0.557	0.498	0.489	0.572	0.584	0.567	0.545	7.46
22) T	Diisopropyl ether	1.815	1.837	1.804	1.912	1.939	1.862	1.861	2.90
23) T	Vinyl Acetate	1.053	1.102	1.073	1.256	1.277	1.232	1.166	8.61
24) P	1,1-Dichloroet...	1.098	1.005	0.947	0.996	1.019	0.971	1.006	5.16
25) T	2-Butanone	0.253	0.240	0.211	0.242	0.230	0.217	0.232	6.83
26) T	2,2-Dichloropr...	0.962	0.919	0.815	0.854	0.852	0.838	0.873	6.37
27) T	cis-1,2-Dichlo...	0.647	0.592	0.561	0.632	0.648	0.628	0.618	5.56
28) T	Bromochloromet...	0.434	0.353	0.320	0.341	0.335	0.319	0.350	12.16
29) T	Tetrahydrofuran	0.157	0.149	0.140	0.158	0.156	0.150	0.152	4.62
30) C	Chloroform	1.084	1.027	0.964	0.993	1.013	0.987	1.011	4.11#
31) T	Cyclohexane	1.113	0.889	0.840	1.014	1.018	0.951	0.971	10.15
32) T	1,1,1-Trichlor...	0.895	0.827	0.819	0.848	0.868	0.862	0.853	3.30
33) S	1,2-Dichloroet...	0.491	0.616	0.540	0.377	0.373	0.360	0.459	23.08
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.282	0.312	0.302	0.248	0.247	0.237	0.271	11.66
36) T	1,1-Dichloropr...	0.487	0.413	0.420	0.481	0.490	0.457	0.458	7.46
37) T	Ethyl Acetate	0.327	0.313	0.281	0.310	0.300	0.292	0.304	5.30
38) T	Carbon Tetrach...	0.462	0.437	0.422	0.474	0.471	0.461	0.455	4.50
39) T	Methylcyclohexane	0.514	0.468	0.469	0.596	0.612	0.580	0.540	11.96
40) TM	Benzene	1.400	1.314	1.301	1.433	1.444	1.345	1.373	4.45
41) T	Methacrylonitrile	0.175	0.156	0.152	0.171	0.173	0.169	0.166	5.88
42) TM	1,2-Dichloroet...	0.405	0.373	0.359	0.382	0.391	0.376	0.381	4.19
43) T	Isopropyl Acetate	0.536	0.535	0.508	0.568	0.560	0.538	0.541	3.94
44) TM	Trichloroethene	0.369	0.331	0.335	0.364	0.378	0.356	0.356	5.28
45) C	1,2-Dichloropr...	0.379	0.352	0.338	0.363	0.365	0.340	0.356	4.48#
46) T	Dibromomethane	0.194	0.201	0.189	0.206	0.207	0.196	0.199	3.58
47) T	Bromodichlorom...	0.478	0.450	0.426	0.462	0.470	0.455	0.457	3.98
48) T	Methyl methacr...	0.248	0.225	0.213	0.247	0.258	0.251	0.241	7.30
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.003	0.003	0.002	17.41
50) S	Toluene-d8	0.962	1.216	1.269	0.792	0.789	0.738	0.961	24.07
51) T	4-Methyl-2-Pen...	0.300	0.292	0.286	0.317	0.306	0.293	0.299	3.72
52) CM	Toluene	0.854	0.784	0.835	0.875	0.906	0.845	0.850	4.81#
53) T	t-1,3-Dichloro...	0.499	0.436	0.460	0.492	0.502	0.486	0.479	5.40
54) T	cis-1,3-Dichlo...	0.538	0.524	0.520	0.569	0.580	0.548	0.547	4.41
55) T	1,1,2-Trichlor...	0.313	0.279	0.284	0.290	0.290	0.268	0.287	5.22
56) T	Ethyl methacry...	0.322	0.322	0.349	0.409	0.420	0.406	0.372	12.21

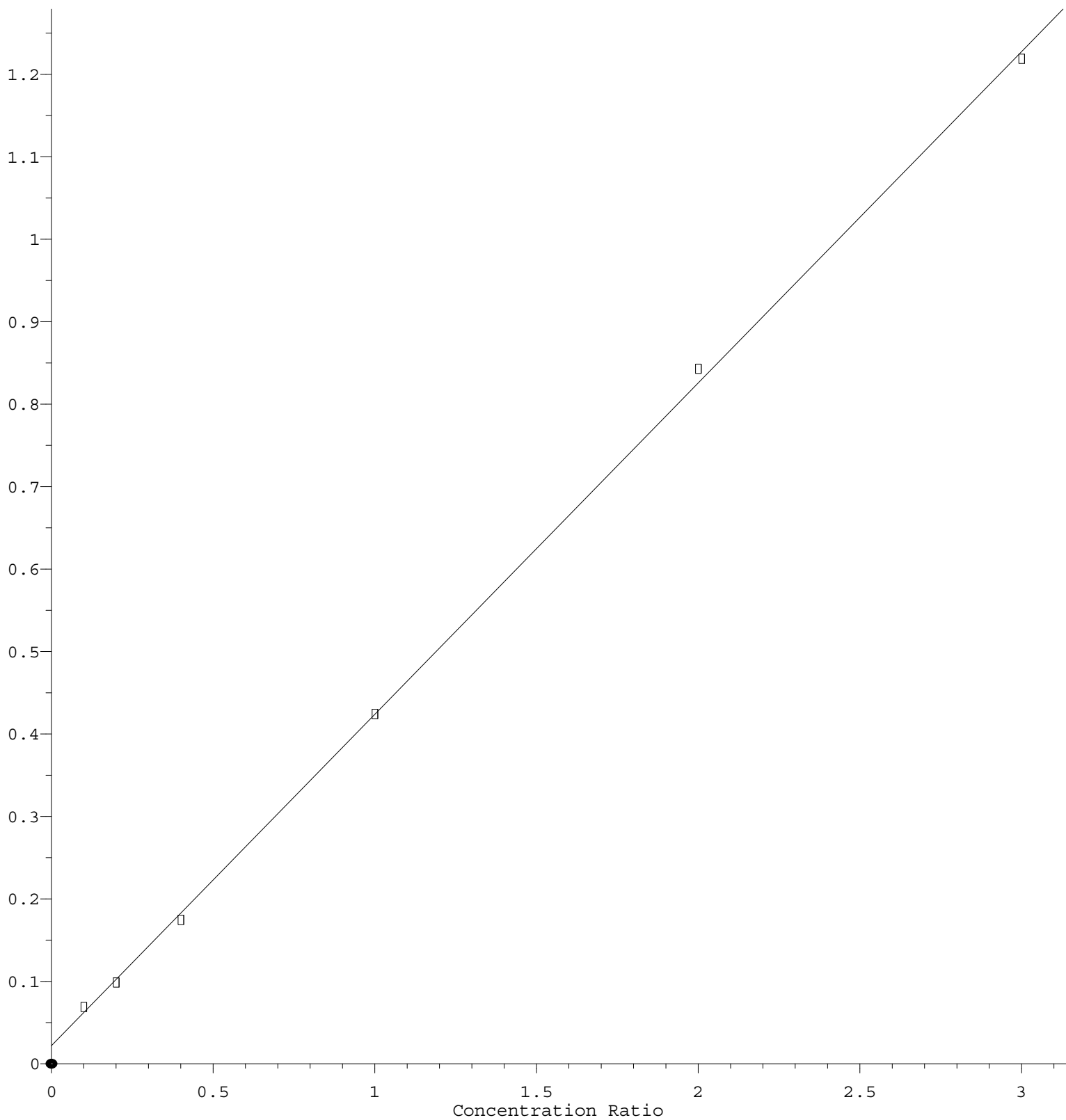
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
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57)	T	1,3-Dichloropr...	0.484	0.493	0.456	0.490	0.506	0.464	0.482	3.91
58)	T	2-Chloroethyl ...	0.150	0.188	0.182	0.179	0.172	0.161	0.172	8.20
59)	T	2-Hexanone	0.192	0.198	0.189	0.223	0.216	0.206	0.204	6.75
60)	T	Dibromochlorom...	0.338	0.332	0.315	0.330	0.351	0.318	0.331	4.01
61)	T	1,2-Dibromoethane	0.277	0.276	0.255	0.278	0.287	0.267	0.273	4.08
62)	S	4-Bromofluorob...	0.331	0.420	0.397	0.380	0.385	0.361	0.379	8.05
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.395	0.346	0.346	0.375	0.380	0.356	0.366	5.45
65)	PM	Chlorobenzene	1.029	0.982	0.948	1.010	1.013	0.974	0.993	3.03
66)	T	1,1,1,2-Tetrac...	0.374	0.362	0.349	0.364	0.359	0.344	0.359	3.04
67)	C	Ethyl Benzene	1.650	1.575	1.646	1.845	1.823	1.776	1.719	6.41#
68)	T	m/p-Xylenes	0.614	0.617	0.638	0.701	0.702	0.675	0.658	6.10
69)	T	o-Xylene	0.558	0.589	0.580	0.675	0.658	0.645	0.617	7.74
70)	T	Styrene	0.932	0.996	1.014	1.142	1.140	1.129	1.059	8.48
71)	P	Bromoform	0.224	0.222	0.203	0.236	0.225	0.220	0.222	4.70
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.954	3.341	3.133	3.470	3.553	3.570	3.337	7.43
74)	T	N-amyl acetate	0.996	1.037	0.985	1.117	1.147	1.214	1.083	8.44
75)	P	1,1,2,2-Tetrac...	0.792	0.822	0.754	0.744	0.733	0.745	0.765	4.52
76)	T	1,2,3-Trichlor...	0.542	0.675	0.488	0.526	0.522	0.528	0.547	11.95
77)	T	Bromobenzene	0.812	0.839	0.739	0.817	0.817	0.811	0.806	4.27
78)	T	n-propylbenzene	3.844	4.116	4.027	4.471	4.504	4.469	4.239	6.61
79)	T	2-Chlorotoluene	2.167	2.335	2.280	2.461	2.509	2.481	2.372	5.66
80)	T	1,3,5-Trimethy...	2.548	2.614	2.690	2.977	2.974	2.960	2.794	7.11
81)	T	trans-1,4-Dich...	0.274	0.270	0.246	0.276	0.275	0.281	0.271	4.62
82)	T	4-Chlorotoluene	2.438	2.435	2.385	2.562	2.599	2.586	2.501	3.67
83)	T	tert-Butylbenzene	2.202	2.279	2.266	2.593	2.576	2.574	2.415	7.61
84)	T	1,2,4-Trimethy...	2.443	2.635	2.713	2.938	2.928	2.902	2.760	7.22
85)	T	sec-Butylbenzene	3.412	3.584	3.616	3.901	3.852	3.884	3.708	5.40
86)	T	p-Isopropyltol...	2.653	2.831	2.975	3.185	3.220	3.147	3.002	7.51
87)	T	1,3-Dichlorobe...	1.692	1.631	1.569	1.604	1.612	1.562	1.612	2.94
88)	T	1,4-Dichlorobe...	1.716	1.660	1.603	1.612	1.643	1.602	1.639	2.69
89)	T	n-Butylbenzene	2.657	2.734	2.848	3.050	3.174	3.131	2.932	7.38
90)	T	Hexachloroethane	0.632	0.642	0.608	0.617	0.626	0.628	0.625	1.88
91)	T	1,2-Dichlorobe...	1.481	1.515	1.430	1.462	1.479	1.446	1.469	2.03
92)	T	1,2-Dibromo-3-...	0.125	0.137	0.114	0.119	0.119	0.120	0.122	6.59
93)	T	1,2,4-Trichlor...	0.842	0.792	0.800	0.823	0.874	0.865	0.833	4.04
94)	T	Hexachlorobuta...	0.502	0.498	0.466	0.457	0.466	0.448	0.473	4.70
95)	T	Naphthalene	1.483	1.584	1.573	1.839	1.979	2.002	1.743	12.93
96)	T	1,2,3-Trichlor...	0.729	0.733	0.707	0.722	0.782	0.771	0.741	3.94

(#) = Out of Range

Methyl Acetate

Response Ratio



$$\text{Response} = 4.020\text{e-}001 * \text{Amt} + 2.236\text{e-}002$$

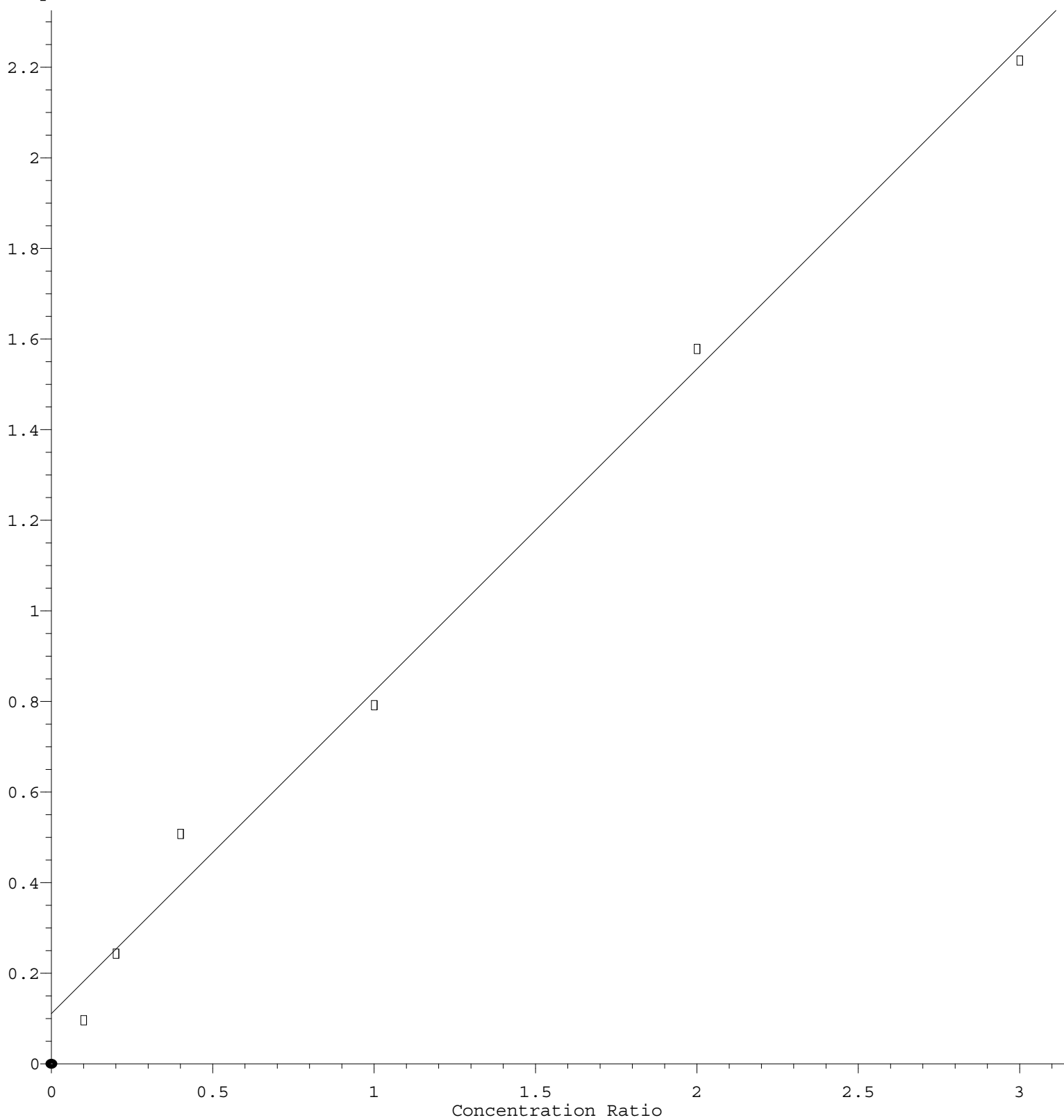
Coef of Det (r^2) = 0.999547 Curve Fit: Linear

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Calibration Table Last Updated: Mon Aug 08 17:55:50 2022

Toluene-d8

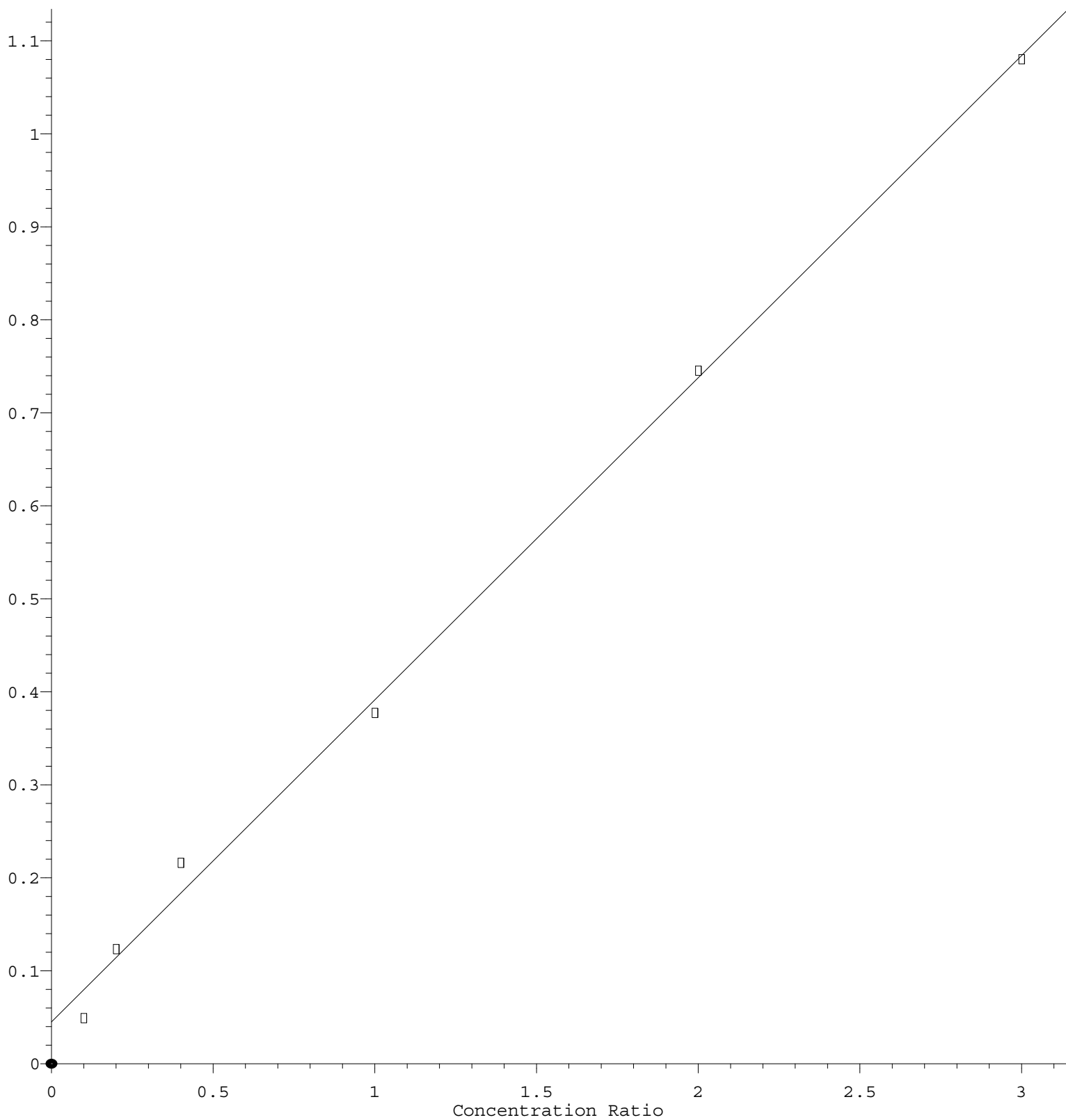
Response Ratio



Response = 7.116e-001 * Amt + 1.106e-001
Coef of Det (r^2) = 0.993051 Curve Fit: Linear
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1,2-Dichloroethane-d4

Response Ratio



$$\text{Response} = 3.464\text{e-}001 * \text{Amt} + 4.501\text{e-}002$$

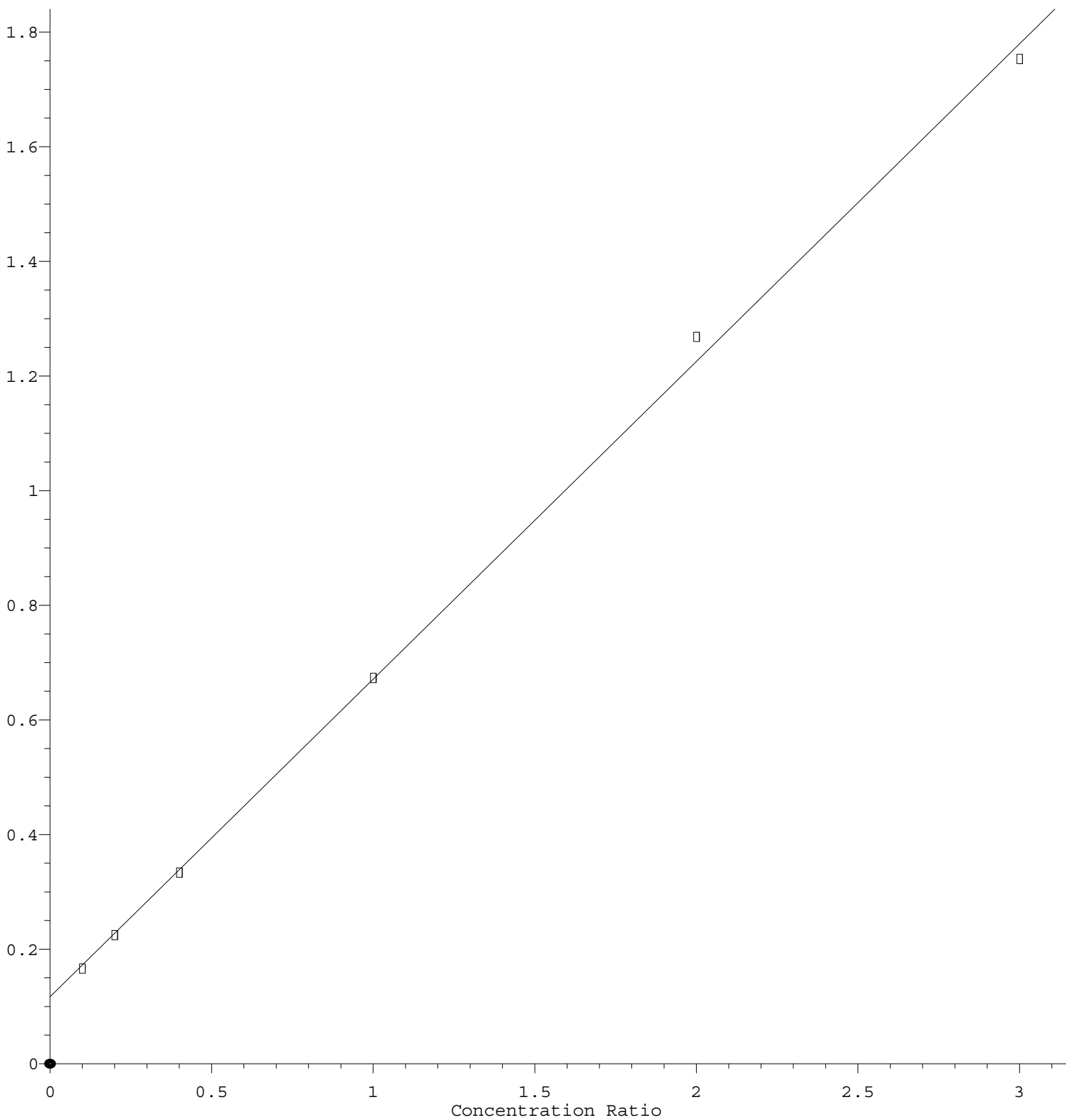
Coef of Det (r^2) = 0.997104 Curve Fit: Linear

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Calibration Table Last Updated: Mon Aug 08 17:55:50 2022

Methylene Chloride

Response Ratio



$$\text{Response} = 5.543\text{e-}001 * \text{Amt} + 1.174\text{e-}001$$

Coef of Det (r^2) = 0.998733 Curve Fit: Linear

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