

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y041123S.M
 Title : SW846 8260
 Last Update : Wed Apr 12 15:18:00 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY013229.D 10 =VY013230.D 50 =VY013232.D 100 =VY013233.D 150 =VY013234.D

	Compound	5	10	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----						
2) T	Dichlorodifluoro...	0.364	0.451	0.326	0.315	0.291	0.349	17.91
3) P	Chloromethane	0.585	0.614	0.388	0.357	0.351	0.459	28.26
4) C	Vinyl Chloride	0.459	0.526	0.398	0.385	0.374	0.428	14.83#
5) T	Bromomethane	0.398	0.418	0.293	0.277	0.269	0.331	21.58
6) T	Chloroethane	0.330	0.379	0.295	0.288	0.274	0.313	13.41
7) T	Trichlorofluorom...	0.741	0.811	0.663	0.633	0.619	0.693	11.64
8) T	Diethyl Ether	0.282	0.280	0.257	0.245	0.253	0.263	6.25
9) T	1,1,2-Trichlorot...	0.467	0.463	0.408	0.390	0.386	0.423	9.37
10) T	Methyl Iodide	0.580	0.554	0.462	0.485	0.467	0.510	10.56
11) T	Tert butyl alcohol	0.172	0.095	0.078	0.064	0.078	0.097	44.28
12) CM	1,1-Dichloroethene	0.390	0.421	0.349	0.341	0.341	0.368	9.69#
13) T	Acrolein	0.068	0.064	0.049	0.045	0.050	0.055	17.92
14) T	Allyl chloride	0.817	0.853	0.749	0.753	0.743	0.783	6.32
15) T	Acrylonitrile	0.184	0.185	0.185	0.168	0.184	0.181	4.08
16) T	Acetone	0.250	0.224	0.238	0.204	0.228	0.229	7.43
17) T	Carbon Disulfide	0.949	1.184	0.795	0.775	0.756	0.892	20.19
18) T	Methyl Acetate	0.708	0.734	0.675	0.599	0.681	0.679	7.46
19) T	Methyl tert-buty...	1.358	1.403	1.427	1.394	1.434	1.403	2.17
20) T	Methylene Chloride	1.273	0.938	0.554	0.494	0.472	0.746	46.92
21) T	trans-1,2-Dichlo...	0.444	0.484	0.423	0.411	0.398	0.432	7.82
22) T	Diisopropyl ether	1.679	1.825	1.787	1.735	1.641	1.733	4.35
23) T	Vinyl Acetate	1.024	1.107	1.141	1.077	1.092	1.088	3.97
24) P	1,1-Dichloroethane	0.949	0.991	0.849	0.856	0.830	0.895	7.90
25) T	2-Butanone	0.308	0.290	0.310	0.267	0.303	0.296	5.98
26) T	2,2-Dichloropropane	0.976	0.901	0.804	0.789	0.754	0.845	10.79
27) T	cis-1,2-Dichloro...	0.536	0.548	0.506	0.518	0.499	0.521	3.91
28) T	Bromochloromethane	0.378	0.451	0.451	0.423	0.409	0.422	7.30
29) T	Tetrahydrofuran	0.169	0.177	0.182	0.158	0.177	0.172	5.37
30) C	Chloroform	0.971	1.007	0.906	0.905	0.880	0.934	5.67#
31) T	Cyclohexane	0.866	0.822	0.653	0.633	0.600	0.715	16.89
32) T	1,1,1-Trichloroe...	0.856	0.884	0.796	0.787	0.768	0.818	6.05
33) S	1,2-Dichloroetha...	0.639	0.581	0.554	0.516	0.521	0.562	8.95
34) I	1,4-Difluorobenzene	-----ISTD-----						
35) S	Dibromofluoromet...	0.314	0.300	0.294	0.294	0.292	0.299	2.92
36) T	1,1-Dichloropropene	0.413	0.447	0.406	0.403	0.387	0.411	5.45
37) T	Ethyl Acetate	0.411	0.371	0.389	0.344	0.387	0.380	6.56
38) T	Carbon Tetrachlo...	0.500	0.515	0.460	0.466	0.452	0.479	5.69
39) T	Methylcyclohexane	0.401	0.447	0.436	0.444	0.433	0.432	4.26
40) TM	Benzene	1.231	1.303	1.185	1.187	1.149	1.211	4.89
41) T	Methacrylonitrile	0.179	0.187	0.177	0.197	0.216	0.191	8.40
42) TM	1,2-Dichloroethane	0.462	0.476	0.435	0.426	0.426	0.445	5.13
43) T	Isopropyl Acetate	0.625	0.674	0.680	0.643	0.700	0.665	4.53
44) TM	Trichloroethene	0.319	0.337	0.308	0.312	0.304	0.316	4.16
45) C	1,2-Dichloropropane	0.323	0.351	0.326	0.329	0.320	0.330	3.70#
46) T	Dibromomethane	0.203	0.211	0.198	0.194	0.197	0.201	3.38
47) T	Bromodichloromet...	0.488	0.517	0.475	0.476	0.467	0.485	4.04
48) T	Methyl methacrylate	0.270	0.283	0.304	0.288	0.314	0.292	5.96
49) T	1,4-Dioxane	0.002	0.003	0.003	0.003	0.003	0.003	13.62
50) S	Toluene-d8	1.015	1.032	1.075	1.071	1.039	1.046	2.47
51) T	4-Methyl-2-Penta...	0.348	0.370	0.404	0.360	0.402	0.377	6.65
52) CM	Toluene	0.741	0.786	0.767	0.760	0.741	0.759	2.52#
53) T	t-1,3-Dichloropr...	0.487	0.509	0.506	0.519	0.518	0.508	2.53
54) T	cis-1,3-Dichloro...	0.525	0.574	0.537	0.546	0.541	0.545	3.30
55) T	1,1,2-Trichloroe...	0.288	0.288	0.283	0.278	0.283	0.284	1.45
56) T	Ethyl methacrylate	0.332	0.366	0.423	0.418	0.443	0.397	11.57

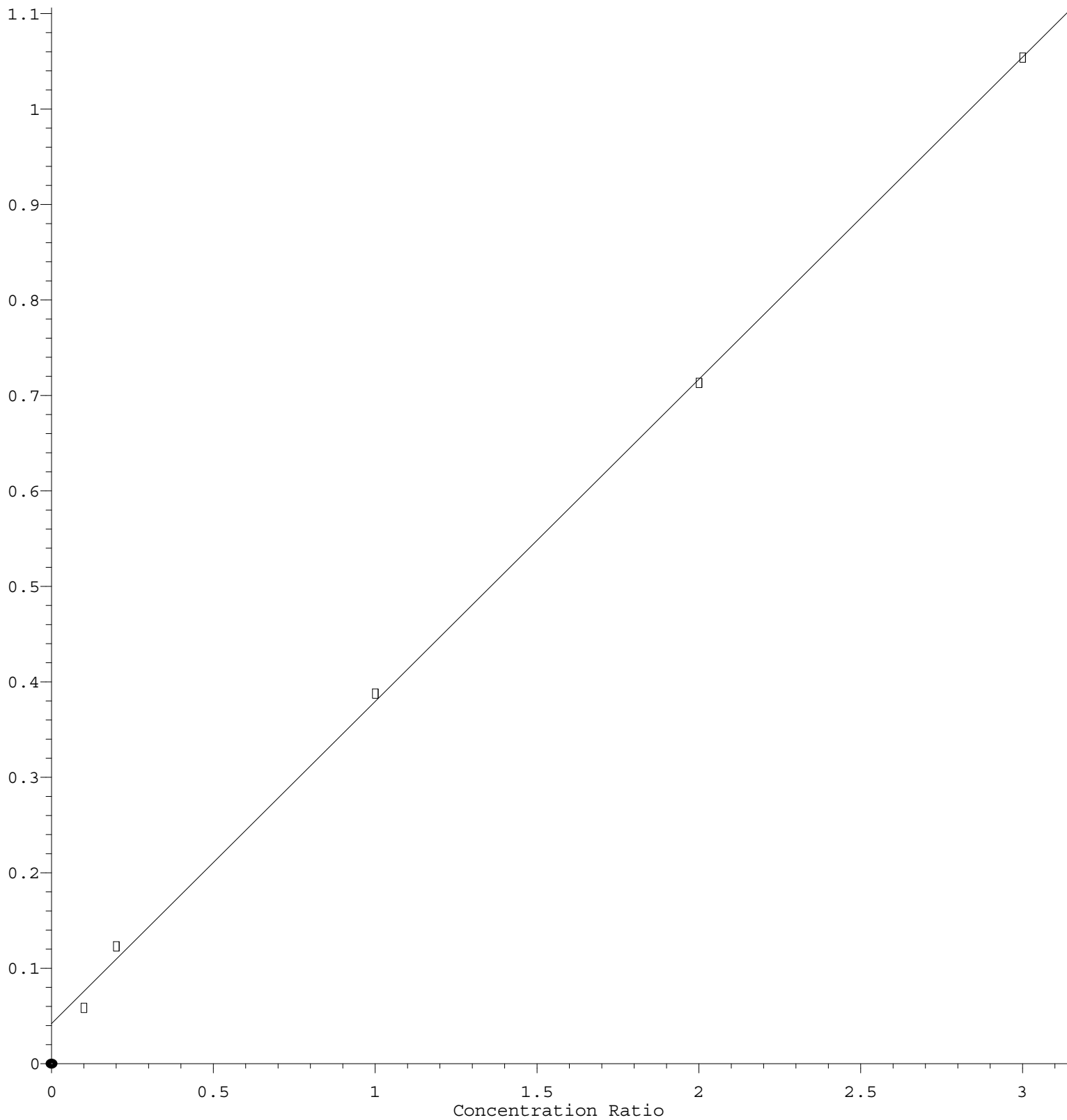
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57)	T	1,3-Dichloropropane	0.480	0.482	0.482	0.471	0.479	0.479	0.97
58)	T	2-Chloroethyl Vi...	0.165	0.179	0.183	0.182	0.191	0.180	5.32
59)	T	2-Hexanone	0.245	0.271	0.306	0.268	0.301	0.278	9.00
60)	T	Dibromochloromet...	0.347	0.356	0.353	0.354	0.357	0.353	1.11
61)	T	1,2-Dibromoethane	0.273	0.284	0.266	0.261	0.272	0.271	3.25
62)	S	4-Bromofluoroben...	0.380	0.359	0.381	0.377	0.371	0.374	2.37
-----ISTD-----									
63)	I	Chlorobenzene-d5							
64)	T	Tetrachloroethene	0.310	0.340	0.302	0.293	0.298	0.309	6.06
65)	PM	Chlorobenzene	0.953	1.011	0.945	0.937	0.918	0.953	3.68
66)	T	1,1,1,2-Tetrachl...	0.377	0.398	0.375	0.375	0.369	0.379	2.92
67)	C	Ethyl Benzene	1.572	1.683	1.684	1.688	1.642	1.654	2.98#
68)	T	m/p-Xylenes	0.596	0.629	0.660	0.639	0.624	0.629	3.69
69)	T	o-Xylene	0.556	0.596	0.622	0.617	0.600	0.598	4.31
70)	T	Styrene	0.890	1.010	1.091	1.063	1.047	1.020	7.71
71)	P	Bromoform	0.262	0.270	0.279	0.268	0.281	0.272	3.05
-----ISTD-----									
72)	I	1,4-Dichlorobenzen...							
73)	T	Isopropylbenzene	2.949	3.037	3.239	3.247	3.222	3.139	4.36
74)	T	N-amyl acetate	1.050	1.124	1.300	1.208	1.321	1.201	9.59
75)	P	1,1,2,2-Tetrachl...	0.848	0.858	0.848	0.795	0.847	0.839	2.99
76)	T	1,2,3-Trichlorop...	0.619	0.612	0.611	0.571	0.630	0.609	3.67
77)	T	Bromobenzene	0.804	0.814	0.793	0.789	0.793	0.799	1.27
78)	T	n-propylbenzene	3.626	3.817	4.023	3.954	3.897	3.863	3.96
79)	T	2-Chlorotoluene	2.111	2.224	2.231	2.217	2.217	2.200	2.26
80)	T	1,3,5-Trimethylb...	2.412	2.548	2.698	2.667	2.654	2.596	4.52
81)	T	trans-1,4-Dichlo...	0.273	0.294	0.310	0.287	0.312	0.295	5.49
82)	T	4-Chlorotoluene	2.191	2.342	2.340	2.315	2.297	2.297	2.71
83)	T	tert-Butylbenzene	2.153	2.269	2.423	2.408	2.351	2.321	4.82
84)	T	1,2,4-Trimethylb...	2.413	2.549	2.685	2.632	2.625	2.581	4.09
85)	T	sec-Butylbenzene	3.215	3.318	3.585	3.515	3.420	3.411	4.36
86)	T	p-Isopropyltoluene	2.675	2.805	3.007	2.908	2.898	2.859	4.37
87)	T	1,3-Dichlorobenzene	1.618	1.631	1.558	1.498	1.514	1.564	3.82
88)	T	1,4-Dichlorobenzene	1.705	1.648	1.581	1.513	1.526	1.595	5.13
89)	T	n-Butylbenzene	2.526	2.576	2.799	2.767	2.731	2.680	4.53
90)	T	Hexachloroethane	0.636	0.613	0.597	0.595	0.589	0.606	3.13
91)	T	1,2-Dichlorobenzene	1.492	1.461	1.440	1.396	1.415	1.441	2.63
92)	T	1,2-Dibromo-3-Ch...	0.174	0.166	0.151	0.140	0.168	0.160	8.68
93)	T	1,2,4-Trichlorob...	0.869	0.851	0.886	0.882	0.957	0.889	4.56
94)	T	Hexachlorobutadiene	0.593	0.551	0.494	0.484	0.504	0.525	8.73
95)	T	Naphthalene	1.763	1.807	2.066	1.986	2.390	2.002	12.48
96)	T	1,2,3-Trichlorob...	0.841	0.808	0.824	0.788	0.888	0.830	4.59

(#) = Out of Range

Chloromethane

Response Ratio



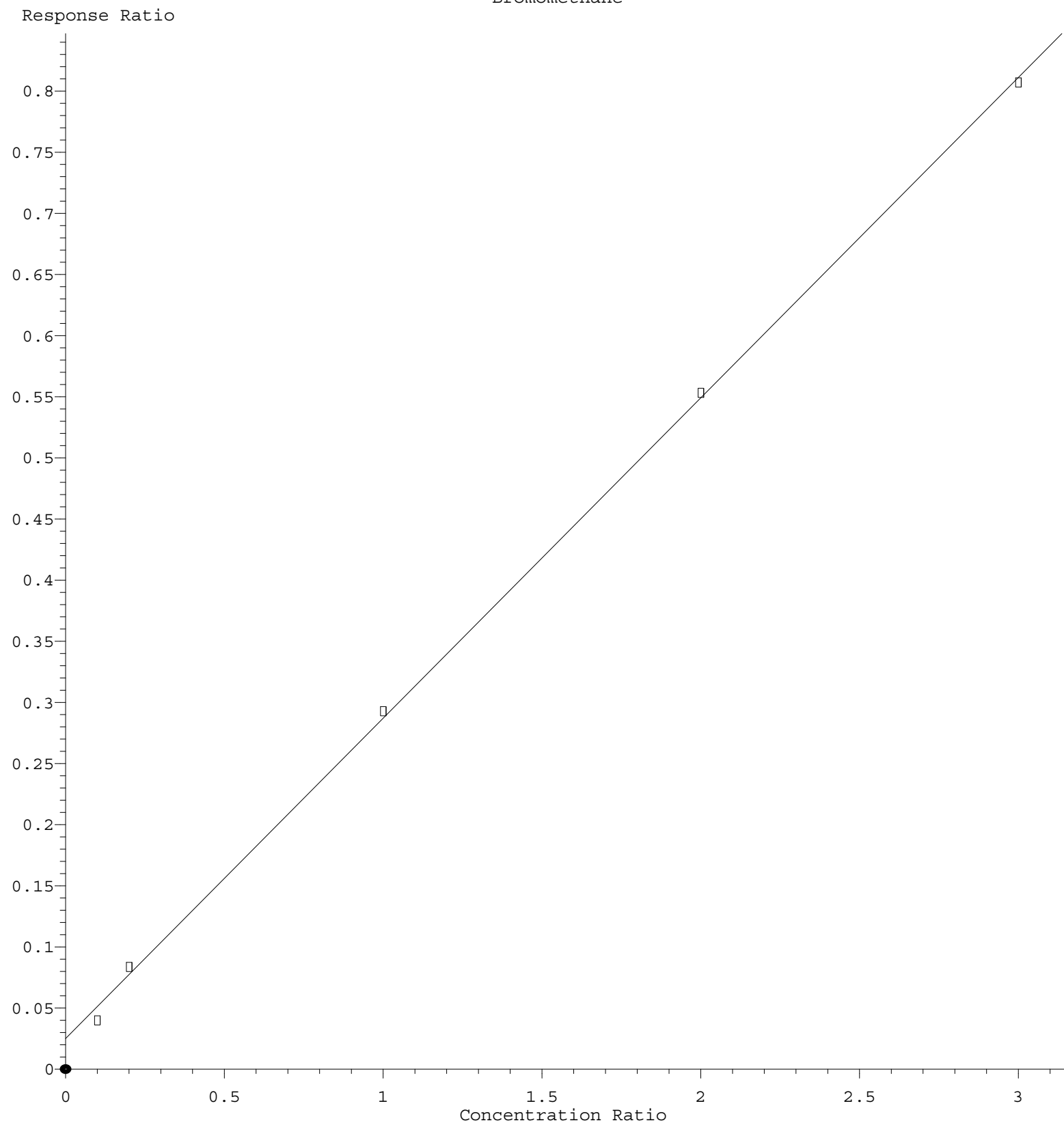
$$\text{Response} = 3.374\text{e-}001 * \text{Amt} + 4.202\text{e-}002$$

Coef of Det (r^2) = 0.999198 Curve Fit: Linear

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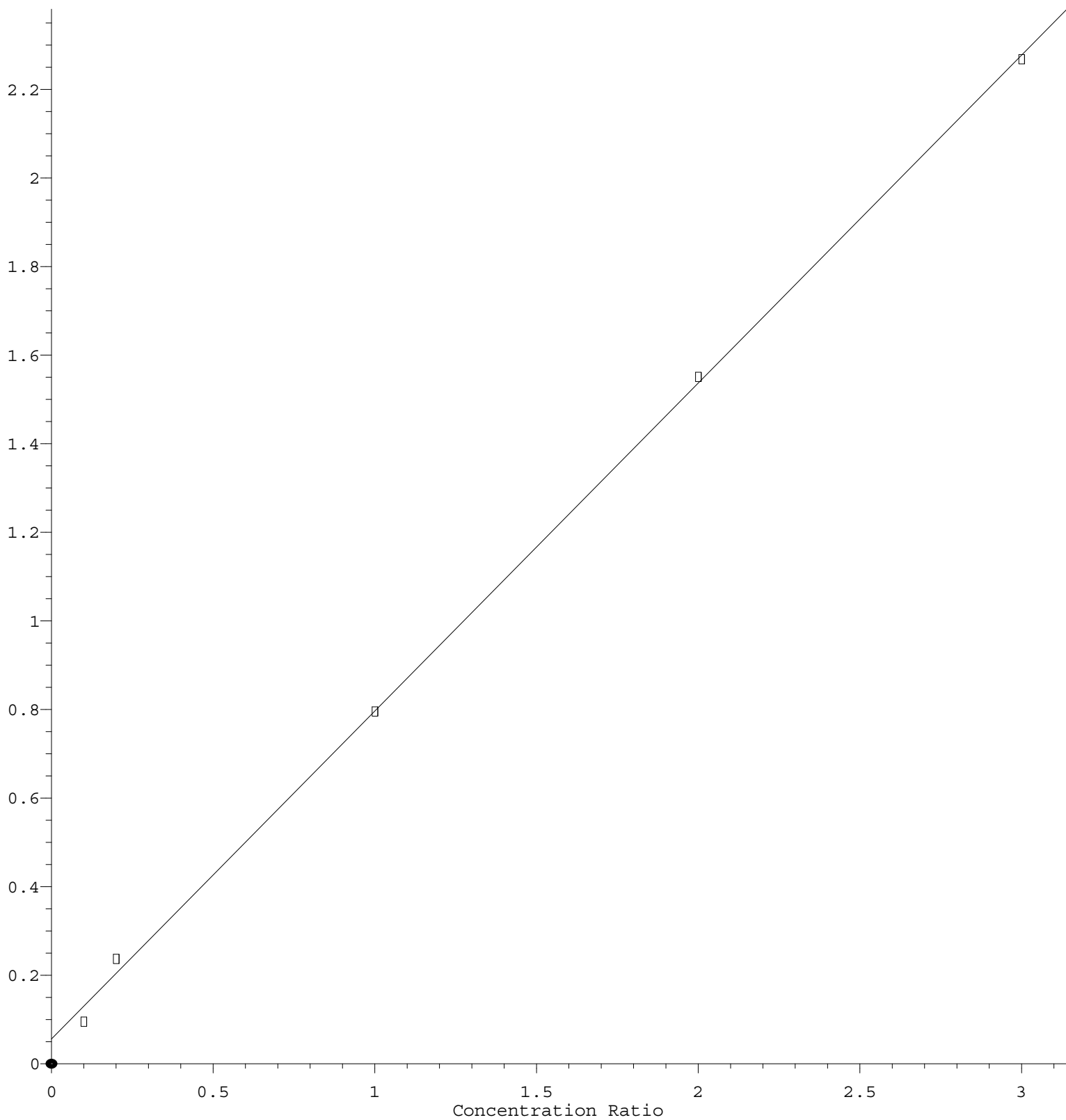
Bromomethane



Response = 2.622e-001 * Amt + 2.489e-002
 Coef of Det (r^2) = 0.999446 Curve Fit: Linear
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Carbon Disulfide

Response Ratio



$$\text{Response} = 7.405\text{e-}001 * \text{Amt} + 5.609\text{e-}002$$

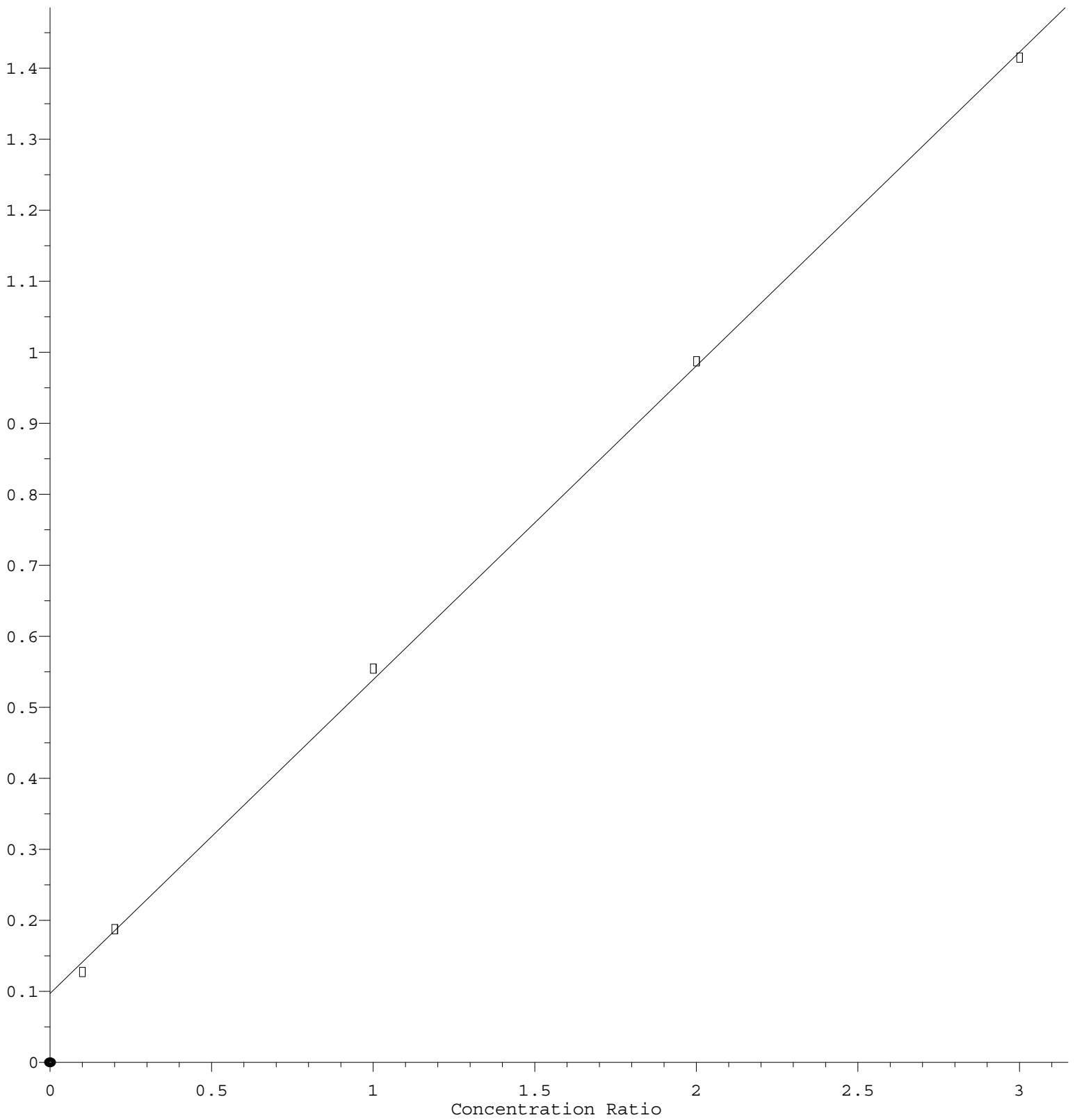
Coef of Det (r^2) = 0.999232 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 4.420\text{e-}001 * \text{Amt} + 9.733\text{e-}002$$

Coef of Det (r^2) = 0.999546 Curve Fit: Linear

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