

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y091923S.M
 Title : SW846 8260
 Last Update : Wed Sep 20 01:39:40 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY015637.D 10 =VY015638.D 20 =VY015639.D 50 =VY015640.D 100 =VY015641.D 150 =VY015642.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.304	0.317	0.304	0.358	0.342	0.352	0.330	7.35
3) P	Chloromethane	0.394	0.400	0.402	0.451	0.433	0.415	0.416	5.28
4) C	Vinyl Chloride	0.458	0.460	0.445	0.517	0.494	0.479	0.475	5.63#
5) T	Bromomethane	0.428	0.381	0.335	0.407	0.345	0.268	0.361	15.98
6) T	Chloroethane	0.341	0.337	0.340	0.379	0.367	0.350	0.352	4.88
7) T	Trichlorofluor...	0.751	0.784	0.771	0.830	0.811	0.837	0.797	4.29
8) T	Diethyl Ether	0.314	0.321	0.335	0.358	0.354	0.359	0.340	5.85
9) T	1,1,2-Trichlor...	0.464	0.493	0.486	0.522	0.508	0.522	0.499	4.57
10) T	Methyl Iodide	0.402	0.427	0.458	0.609	0.612	0.605	0.519	19.29
11) T	Tert butyl alc...	0.272	0.246	0.163	0.107	0.122	0.137	0.174	39.27
12) CM	1,1-Dichloroet...	0.413	0.424	0.422	0.460	0.460	0.461	0.440	5.17#
13) T	Acrolein	0.084	0.073	0.079	0.085	0.090	0.095	0.084	9.11
14) T	Allyl chloride	0.717	0.762	0.781	0.853	0.855	0.858	0.804	7.43
15) T	Acrylonitrile	0.225	0.244	0.263	0.251	0.250	0.263	0.249	5.72
16) T	Acetone	0.293	0.305	0.316	0.284	0.282	0.286	0.294	4.55
17) T	Carbon Disulfide	0.768	0.762	0.765	0.953	0.940	0.940	0.855	11.53
18) T	Methyl Acetate	0.881	0.948	1.000	1.007	1.016	1.074	0.988	6.67
19) T	Methyl tert-bu...	1.613	1.680	1.786	1.878	1.886	1.906	1.792	6.80
20) T	Methylene Chlo...	1.177	0.923	0.702	0.657	0.617	0.601	0.779	29.14
21) T	trans-1,2-Dich...	0.446	0.469	0.500	0.545	0.527	0.529	0.503	7.70
22) T	Diisopropyl ether	1.723	1.848	1.948	2.075	2.025	1.994	1.936	6.69
23) T	Vinyl Acetate	1.056	1.119	1.217	1.260	1.249	1.267	1.195	7.30
24) P	1,1-Dichloroet...	0.995	1.016	1.040	1.110	1.092	1.077	1.055	4.29
25) T	2-Butanone	0.416	0.437	0.434	0.395	0.396	0.419	0.416	4.34
26) T	2,2-Dichloropr...	1.103	0.985	0.881	0.939	0.942	0.936	0.964	7.85
27) T	cis-1,2-Dichlo...	0.628	0.630	0.649	0.707	0.697	0.694	0.667	5.34
28) T	Bromochloromet...	0.268	0.296	0.289	0.293	0.294	0.278	0.286	3.84
29) T	Tetrahydrofuran	0.209	0.229	0.247	0.236	0.238	0.252	0.235	6.48
30) C	Chloroform	1.076	1.100	1.124	1.169	1.160	1.149	1.130	3.22#
31) T	Cyclohexane	0.818	0.768	0.717	0.772	0.734	0.763	0.762	4.57
32) T	1,1,1-Trichlor...	0.878	0.886	0.914	0.979	0.964	0.974	0.933	4.88
33) S	1,2-Dichloroet...	0.601	0.564	0.626	0.501	0.505	0.503	0.550	10.02
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.304	0.301	0.333	0.282	0.287	0.290	0.299	6.09
36) T	1,1-Dichloropr...	0.424	0.430	0.421	0.458	0.452	0.468	0.442	4.46
37) T	Ethyl Acetate	0.402	0.428	0.473	0.438	0.443	0.465	0.441	5.86
38) T	Carbon Tetrach...	0.452	0.460	0.466	0.500	0.491	0.514	0.480	5.13
39) T	Methylcyclohexane	0.450	0.463	0.465	0.515	0.504	0.540	0.489	7.22
40) TM	Benzene	1.258	1.296	1.327	1.419	1.382	1.415	1.349	4.92
41) T	Methacrylonitrile	0.236	0.261	0.272	0.211	0.223	0.223	0.238	10.02
42) TM	1,2-Dichloroet...	0.443	0.445	0.464	0.477	0.466	0.478	0.462	3.33
43) T	Isopropyl Acetate	0.667	0.727	0.771	0.764	0.773	0.822	0.754	6.94
44) TM	Trichloroethene	0.355	0.365	0.375	0.393	0.384	0.390	0.377	4.00
45) C	1,2-Dichloropr...	0.342	0.364	0.373	0.396	0.387	0.395	0.376	5.53#
46) T	Dibromomethane	0.217	0.237	0.236	0.251	0.247	0.257	0.241	5.90
47) T	Bromodichlorom...	0.496	0.509	0.532	0.560	0.552	0.570	0.537	5.47
48) T	Methyl methacr...	0.289	0.309	0.337	0.339	0.343	0.368	0.331	8.38
49) T	1,4-Dioxane	0.004	0.005	0.005	0.005	0.005	0.005	0.005	7.36
50) S	Toluene-d8	1.101	1.060	1.165	0.906	0.921	0.934	1.015	10.73
51) T	4-Methyl-2-Pen...	0.417	0.457	0.491	0.472	0.466	0.501	0.467	6.33
52) CM	Toluene	0.798	0.836	0.854	0.920	0.896	0.915	0.870	5.58#
53) T	t-1,3-Dichloro...	0.499	0.543	0.569	0.607	0.609	0.627	0.575	8.41
54) T	cis-1,3-Dichlo...	0.558	0.583	0.615	0.648	0.647	0.666	0.619	6.80
55) T	1,1,2-Trichlor...	0.332	0.340	0.360	0.362	0.354	0.369	0.353	4.00
56) T	Ethyl methacry...	0.429	0.487	0.518	0.552	0.552	0.582	0.520	10.65

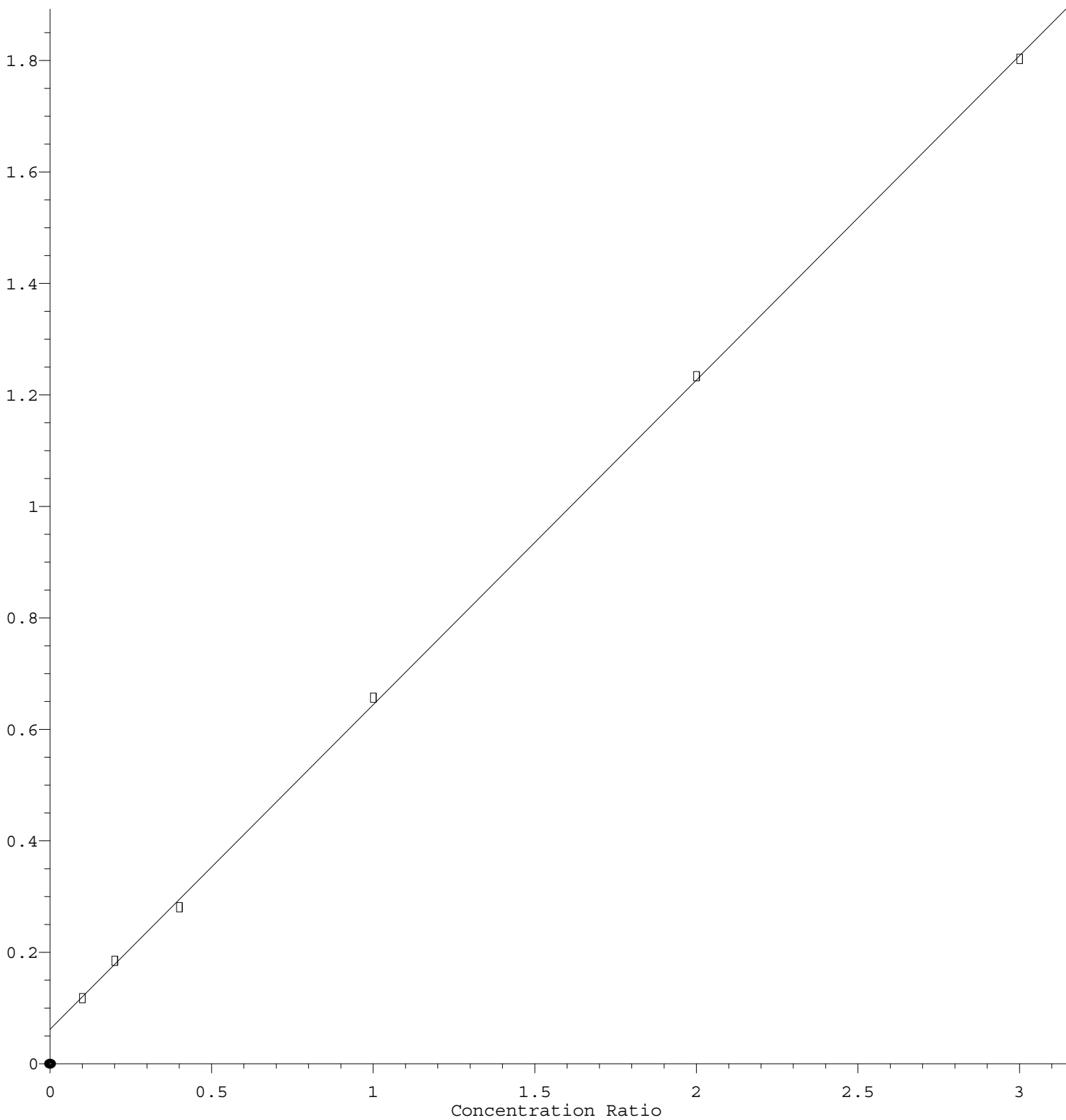
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
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57)	T	1,3-Dichloropr...	0.556	0.568	0.592	0.614	0.601	0.618	0.592	4.17
58)	T	2-Chloroethyl ...	0.149	0.170	0.177	0.159	0.161	0.175	0.165	6.56
59)	T	2-Hexanone	0.312	0.360	0.385	0.358	0.355	0.381	0.359	7.28
60)	T	Dibromochlorom...	0.375	0.395	0.409	0.427	0.426	0.439	0.412	5.77
61)	T	1,2-Dibromoethane	0.328	0.327	0.348	0.350	0.350	0.367	0.345	4.37
62)	S	4-Bromofluorob...	0.420	0.413	0.449	0.365	0.367	0.374	0.398	8.63
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.402	0.434	0.436	0.445	0.427	0.430	0.429	3.43
65)	PM	Chlorobenzene	1.070	1.060	1.079	1.120	1.098	1.122	1.091	2.39
66)	T	1,1,1,2-Tetrac...	0.380	0.413	0.420	0.443	0.439	0.449	0.424	6.07
67)	C	Ethyl Benzene	1.731	1.834	1.873	2.005	1.978	2.025	1.908	6.02#
68)	T	m/p-Xylenes	0.666	0.682	0.722	0.762	0.749	0.769	0.725	5.93
69)	T	o-Xylene	0.637	0.685	0.695	0.752	0.744	0.754	0.711	6.62
70)	T	Styrene	1.050	1.139	1.205	1.303	1.294	1.311	1.217	8.71
71)	P	Bromoform	0.272	0.289	0.305	0.322	0.321	0.334	0.307	7.52
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.494	3.541	3.640	3.866	3.890	4.076	3.751	6.09
74)	T	N-amyl acetate	1.187	1.308	1.412	1.474	1.483	1.595	1.410	10.22
75)	P	1,1,2,2-Tetrac...	0.994	1.012	1.035	1.036	1.058	1.129	1.044	4.51
76)	T	1,2,3-Trichlor...	0.773	0.626	0.819	0.828	0.830	0.911	0.798	11.95
77)	T	Bromobenzene	0.888	0.887	0.880	0.940	0.943	0.985	0.921	4.55
78)	T	n-propylbenzene	4.223	4.349	4.419	4.775	4.696	4.878	4.557	5.76
79)	T	2-Chlorotoluene	2.453	2.460	2.512	2.714	2.667	2.779	2.597	5.41
80)	T	1,3,5-Trimethy...	2.896	3.008	3.060	3.275	3.237	3.365	3.140	5.72
81)	T	trans-1,4-Dich...	0.320	0.313	0.343	0.364	0.373	0.411	0.354	10.37
82)	T	4-Chlorotoluene	2.550	2.588	2.671	2.836	2.784	2.842	2.712	4.69
83)	T	tert-Butylbenzene	2.565	2.625	2.668	2.868	2.833	2.943	2.750	5.51
84)	T	1,2,4-Trimethy...	2.818	2.974	3.099	3.312	3.282	3.366	3.142	6.88
85)	T	sec-Butylbenzene	3.828	3.914	4.009	4.322	4.215	4.407	4.116	5.67
86)	T	p-Isopropyltol...	3.103	3.285	3.364	3.626	3.551	3.699	3.438	6.59
87)	T	1,3-Dichlorobe...	1.736	1.766	1.788	1.893	1.849	1.928	1.827	4.13
88)	T	1,4-Dichlorobe...	1.801	1.749	1.802	1.883	1.831	1.895	1.827	3.02
89)	T	n-Butylbenzene	3.018	3.070	3.220	3.422	3.336	3.467	3.256	5.69
90)	T	Hexachloroethane	0.626	0.623	0.628	0.691	0.691	0.722	0.664	6.48
91)	T	1,2-Dichlorobe...	1.601	1.641	1.663	1.747	1.697	1.767	1.686	3.76
92)	T	1,2-Dibromo-3-...	0.195	0.208	0.211	0.201	0.204	0.225	0.207	4.88
93)	T	1,2,4-Trichlor...	0.984	0.993	1.050	1.111	1.077	1.154	1.062	6.26
94)	T	Hexachlorobuta...	0.499	0.524	0.547	0.575	0.544	0.573	0.544	5.37
95)	T	Naphthalene	2.367	2.523	2.734	2.916	2.865	3.202	2.768	10.73
96)	T	1,2,3-Trichlor...	0.928	0.885	0.970	1.023	0.996	1.076	0.980	6.94

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.823\text{e-}001 * \text{Amt} + 6.241\text{e-}002$$

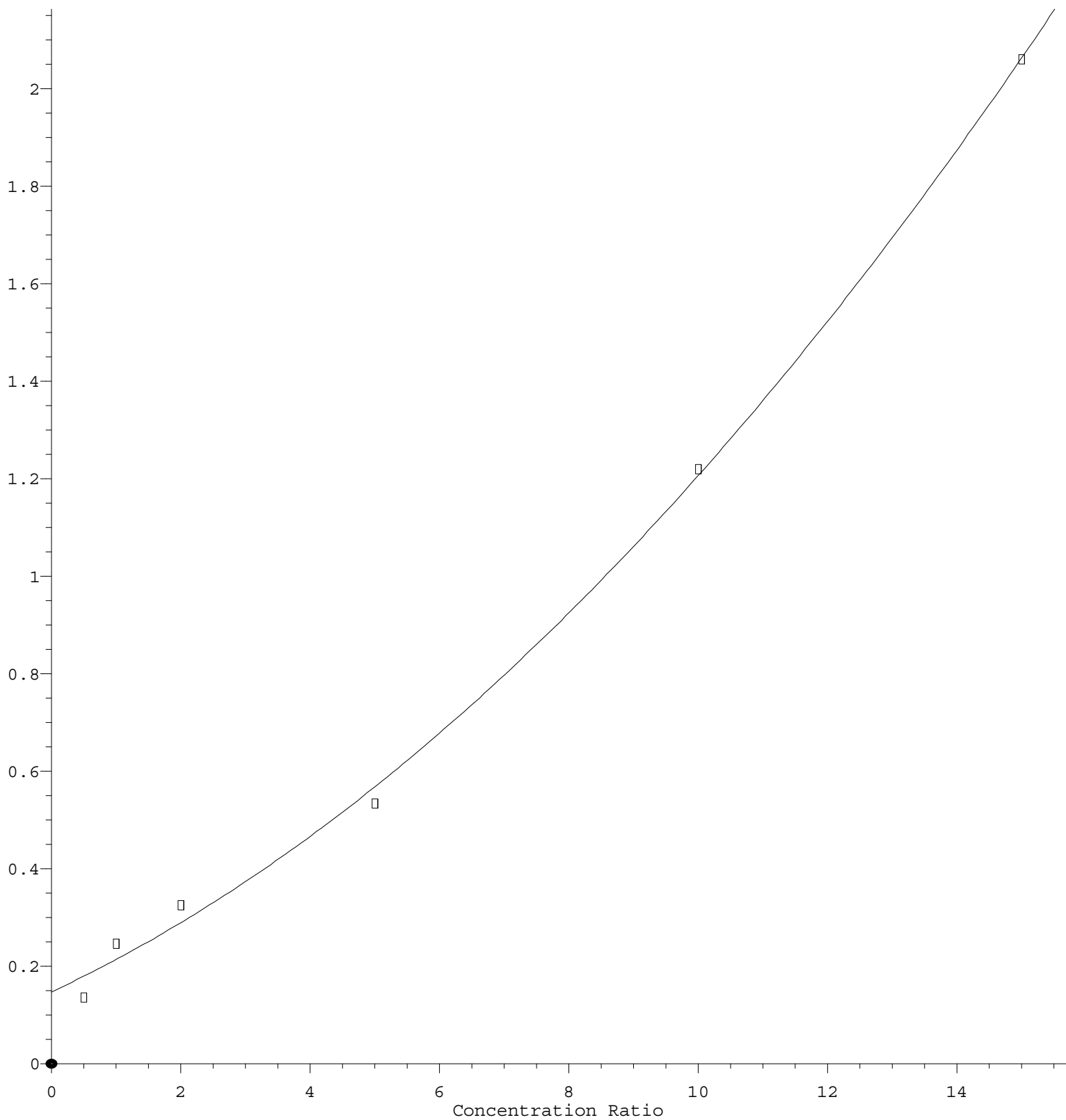
Coef of Det (r^2) = 0.999786 Curve Fit: Linear

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Calibration Table Last Updated: Wed Sep 20 01:39:40 2023

Tert butyl alcohol

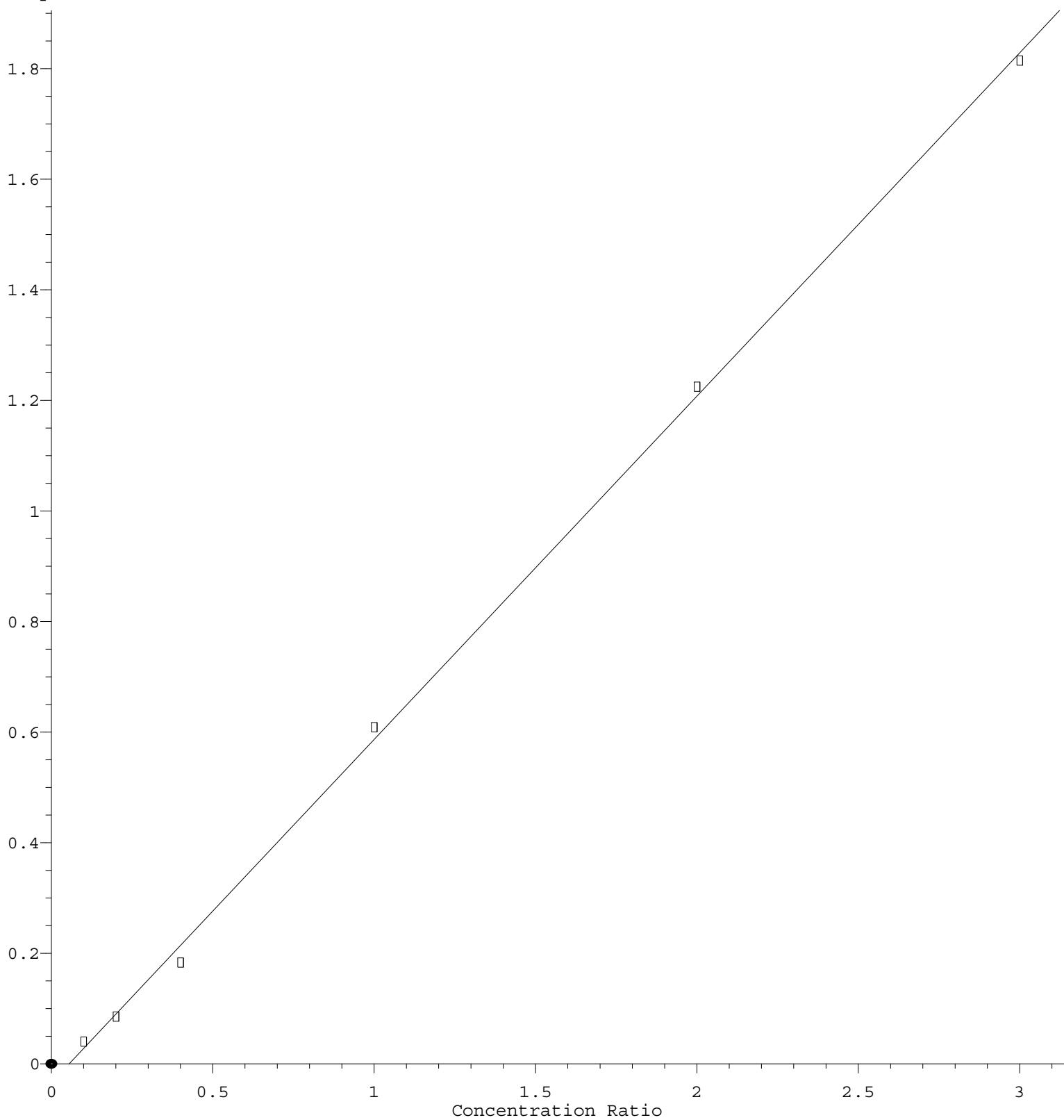
Response Ratio



$R = 4.358e-003 A^2 + 6.232e-002 A + 1.474e-001$
 Coef of Det (r^2) = 0.998009 Curve Fit: Quadratic
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 Calibration Table Last Updated: Wed Sep 20 01:39:40 2023

Methyl Iodide

Response Ratio



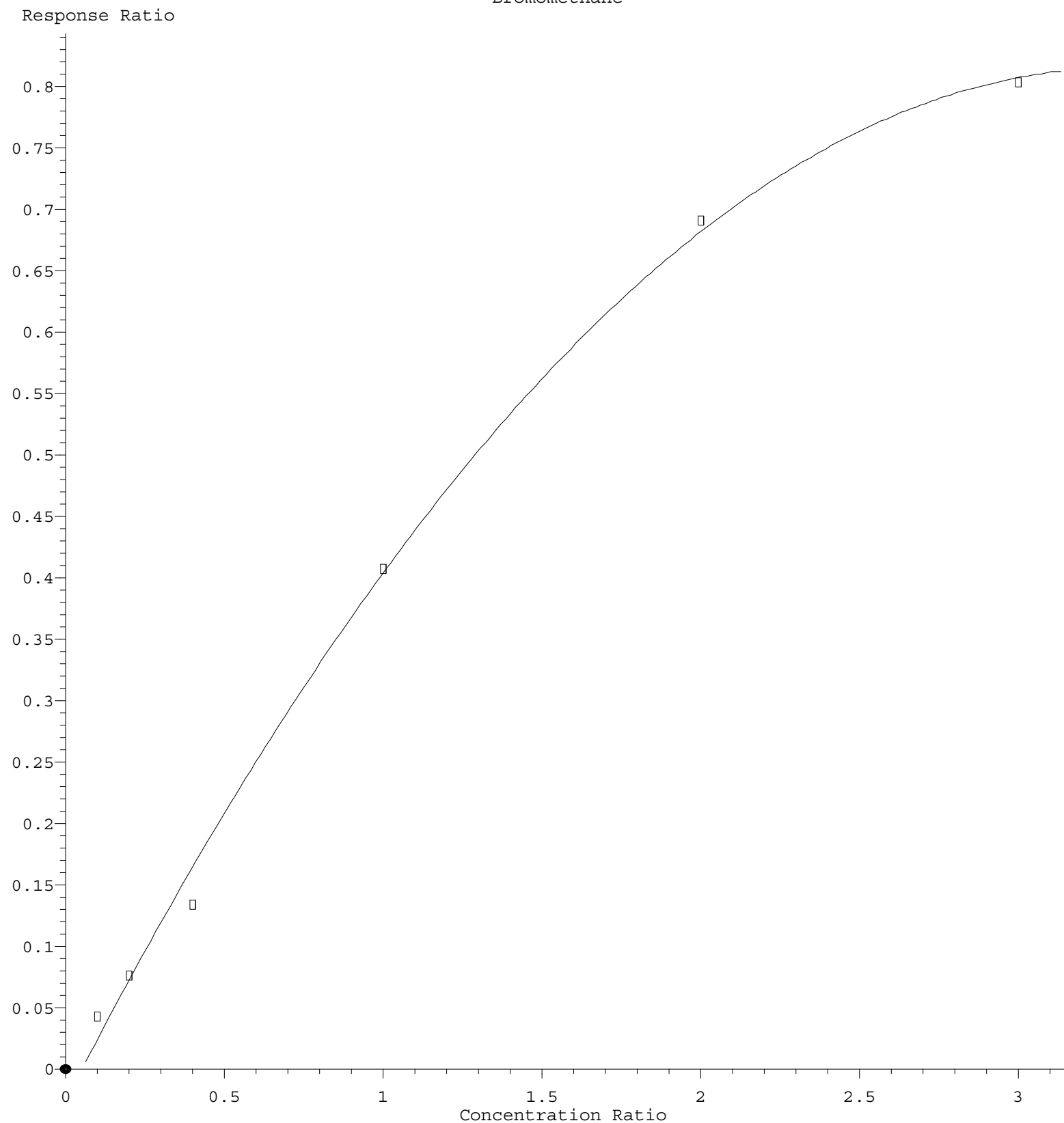
$$\text{Response} = 6.209\text{e-}001 * \text{Amt} - 3.389\text{e-}002$$

Coef of Det (r^2) = 0.999184 Curve Fit: Linear

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Calibration Table Last Updated: Wed Sep 20 01:39:40 2023

Bromomethane



$R = -7.607e-002 A^2 + 5.058e-001 A - 2.567e-002$
 Coef of Det (r^2) = 0.997398 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y091923S.M
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