Response Factor Report MSVOA_D

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
Method File : 82D121422S.M
Title : SW846 8260
Last Update : Thu Dec 15 03:27:53 2022
Response Via : Initial Calibration

Calibration Files
10 =VD075014.D 5 =VD075013.D 20 =VD075020.D 50 =VD075016.D 100 =VD075017.D 150 =VD075018.D

		Compound	10	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.338	0.283	0.408	0.246	0.244	0.246	0.294	22.57
3)	P	Chloromethane	0.698	0.539	0.749	0.495	0.451	0.424	0.559	23.93
4)	C	Vinyl Chloride	0.683	0.533	0.826	0.529	0.531	0.528	0.605	20.52#
5)	T	Bromomethane	0.485	0.483	0.601	0.356	0.353	0.357	0.439	23.07
6)	T	Chloroethane	0.494	0.417	0.584	0.401	0.400	0.390	0.447	17.17
7)	T	Trichlorofluor...	0.789	0.700	0.969	0.639	0.663	0.660	0.737	17.05
8)	T	Diethyl Ether	0.248	0.190	0.264	0.205	0.214	0.200	0.220	13.22
9)	T	1,1,2-Trichlor...	0.483	0.491	0.595	0.432	0.441	0.438	0.480	12.82
10)	T	Methyl Iodide	0.321	0.261	0.475	0.344	0.400	0.444	0.374	21.47
11)	T	Tert butyl alc...	0.031	0.029	0.035	0.025	0.026	0.023	0.028	15.29
12)	CM	1,1-Dichloroet...	0.483	0.433	0.587	0.411	0.422	0.422	0.460	14.61#
13)	T	Acrolein	0.051	0.045	0.060	0.046	0.048	0.045	0.049	11.55
14)	T	Allyl chloride	0.535	0.487	0.663	0.483	0.498	0.487	0.525	13.33
15)	T	Acrylonitrile	0.094	0.085	0.109	0.089	0.093	0.086	0.093	9.34
16)	T	Acetone	0.092	0.086	0.099	0.097	0.093	0.090	0.093	5.08
17)	T	Carbon Disulfide	1.272	0.715	1.521	0.919	0.927	0.933	1.048	27.97
18)	T	Methyl Acetate	0.264	0.364	0.297	0.203	0.215	0.193	0.256	25.90
19)	T	Methyl tert-bu...	0.969	0.896	1.126	0.948	0.998	0.931	0.978	8.22
20)	T	Methylene Chlo...	0.871	1.127	0.792	0.535	0.497	0.478	0.717	36.16
21)	T	trans-1,2-Dich...	0.525	0.453	0.637	0.464	0.467	0.462	0.501	14.26
22)	T	Diisopropyl ether	1.192	1.058	1.456	1.177	1.189	1.141	1.202	11.16
23)	T	Vinyl Acetate	0.516	0.375	0.634	0.554	0.586	0.555	0.537	16.49
24)	P	1,1-Dichloroet...	0.901	0.810	1.052	0.790	0.787	0.779	0.853	12.57
25)	T	2-Butanone	0.119	0.105	0.134	0.116	0.119	0.109	0.117	8.57
26)	T	2,2-Dichloropr...	0.806	0.827	0.975	0.734	0.735	0.735	0.802	11.73
27)	T	cis-1,2-Dichlo...	0.605	0.544	0.726	0.554	0.570	0.557	0.593	11.60
28)	T	Bromochloromet...	0.290	0.260	0.337	0.255	0.254	0.241	0.273	12.89
29)	T	Tetrahydrofuran	0.062	0.054	0.075	0.061	0.066	0.059	0.063	11.45
30)	C	Chloroform	0.954	0.924	1.129	0.869	0.865	0.841	0.930	11.36#
31)	T	Cyclohexane	0.711	0.646	0.742	0.570	0.585	0.585	0.640	11.39
32)	T	1,1,1-Trichlor...	0.806	0.758	0.995	0.736	0.740	0.740	0.796	12.69
33)	S	1,2-Dichloroet...	0.447	0.420	0.442	0.296	0.303	0.239	0.358	24.90
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.321	0.361	0.351	0.283	0.283	0.278	0.313	11.89
36)	T	1,1-Dichloropr...	0.392	0.395	0.411	0.432	0.452	0.384	0.411	6.38
37)	T	Ethyl Acetate	0.151	0.150	0.165	0.166	0.170	0.163	0.161	5.18
38)	T	Carbon Tetrach...	0.347	0.350	0.369	0.420	0.436	0.386	0.385	9.58
39)	T	Methylcyclohexane	0.378	0.356	0.471	0.415	0.440	0.452	0.419	10.64
40)	TM	Benzene	1.193	1.234	1.187	1.329	1.334	1.133	1.235	6.60
41)	T	Methacrylonitrile	0.080	0.075	0.094	0.089	0.093	0.091	0.087	9.06
42)	TM	1,2-Dichloroet...	0.303	0.302	0.283	0.298	0.325	0.267	0.296	6.62
43)	T	Isopropyl Acetate	0.256	0.278	0.250	0.273	0.296	0.267	0.270	6.08
44)	TM	Trichloroethene	0.338	0.315	0.334	0.317	0.316	0.321	0.323	3.11
45)	C	1,2-Dichloropr...	0.249	0.281	0.293	0.289	0.285	0.283	0.280	5.68#
46)	T	Dibromomethane	0.139	0.151	0.156	0.155	0.158	0.154	0.152	4.53
47)	T	Bromodichlorom...	0.346	0.396	0.386	0.396	0.398	0.394	0.386	5.14
48)	T	Methyl methacr...	0.102	0.102	0.122	0.123	0.135	0.127	0.118	11.44
49)	T	1,4-Dioxane	0.001	0.002	0.002	0.002	0.002	0.002	0.002	13.70
50)	S	Toluene-d8	0.996	1.152	1.171	0.808	0.816	0.812	0.959	17.96
51)	T	4-Methyl-2-Pen...	0.116	0.117	0.133	0.149	0.153	0.141	0.135	11.65
52)	CM	Toluene	0.645	0.679	0.789	0.759	0.752	0.754	0.730	7.53#
53)	T	t-1,3-Dichloro...	0.304	0.326	0.365	0.376	0.384	0.380	0.356	9.24
54)	T	cis-1,3-Dichlo...	0.376	0.405	0.443	0.450	0.461	0.456	0.432	7.88
55)	T	1,1,2-Trichlor...	0.204	0.222	0.223	0.229	0.231	0.223	0.222	4.27
56)	T	Ethyl methacry...	0.204	0.197	0.242	0.268	0.285	0.267	0.244	14.82

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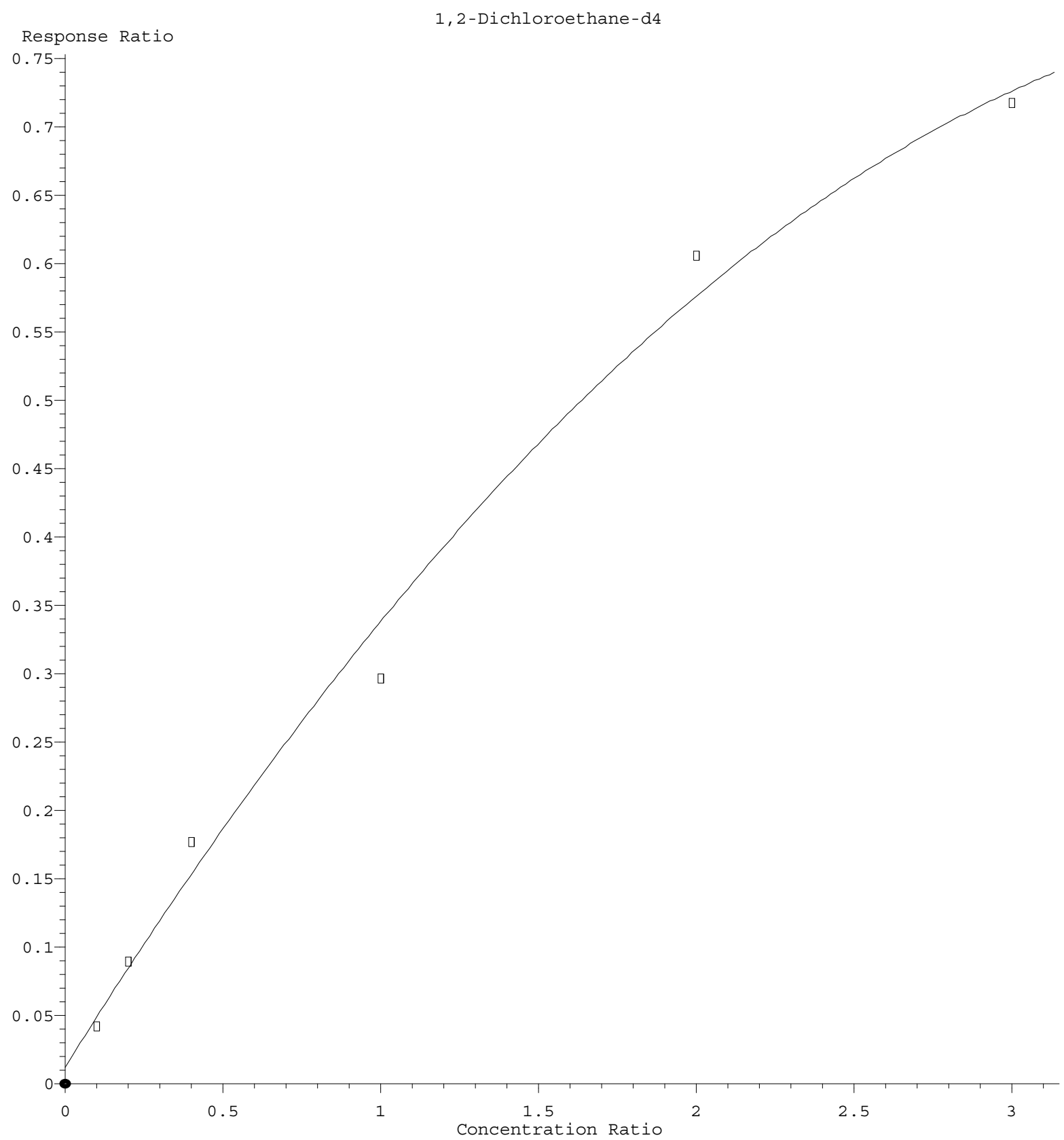
Method File : 82D121422S.M

57)	T	1,3-Dichloropr...	0.329	0.356	0.364	0.372	0.377	0.361	0.360	4.70
58)	T	2-Chloroethyl ...	0.081	0.083	0.096	0.106	0.116	0.113	0.099	14.97
59)	T	2-Hexanone	0.082	0.082	0.096	0.109	0.113	0.107	0.098	13.98
60)	T	Dibromochlorom...	0.226	0.260	0.261	0.270	0.275	0.263	0.259	6.65
61)	T	1,2-Dibromoethane	0.183	0.198	0.204	0.207	0.209	0.201	0.201	4.68
62)	S	4-Bromofluorob...	0.295	0.352	0.353	0.281	0.286	0.281	0.308	11.24
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.297	0.294	0.309	0.277	0.279	0.288	0.291	4.16
65)	PM	Chlorobenzene	0.922	0.935	0.930	0.900	0.906	0.916	0.918	1.47
66)	T	1,1,1,2-Tetrac...	0.316	0.319	0.314	0.326	0.327	0.335	0.323	2.55
67)	C	Ethyl Benzene	1.524	1.446	1.613	1.602	1.637	1.696	1.586	5.57#
68)	T	m/p-Xylenes	0.609	0.538	0.650	0.630	0.644	0.663	0.622	7.28
69)	T	o-Xylene	0.575	0.531	0.604	0.589	0.611	0.628	0.590	5.77
70)	T	Styrene	0.959	0.892	1.035	1.047	1.067	1.079	1.013	7.19
71)	P	Bromoform	0.168	0.156	0.167	0.167	0.171	0.166	0.166	3.03
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.132	3.027	3.423	3.313	3.445	3.500	3.307	5.72
74)	T	N-amyl acetate	0.534	0.483	0.573	0.618	0.652	0.606	0.578	10.62
75)	P	1,1,2,2-Tetrac...	0.603	0.579	0.608	0.594	0.610	0.572	0.594	2.62
76)	T	1,2,3-Trichlor...	0.449	0.490	0.412	0.418	0.434	0.408	0.435	7.04
77)	T	Bromobenzene	0.743	0.739	0.763	0.752	0.758	0.759	0.752	1.26
78)	T	n-propylbenzene	3.856	3.734	4.264	4.073	4.171	4.193	4.048	5.17
79)	T	2-Chlorotoluene	2.145	2.119	2.275	2.216	2.235	2.244	2.206	2.76
80)	T	1,3,5-Trimethy...	2.601	2.473	2.909	2.765	2.805	2.848	2.733	6.02
81)	T	trans-1,4-Dich...	0.163	0.164	0.162	0.175	0.185	0.176	0.171	5.57
82)	T	4-Chlorotoluene	2.286	2.179	2.389	2.281	2.291	2.295	2.287	2.90
83)	T	tert-Butylbenzene	2.171	2.192	2.383	2.380	2.470	2.526	2.354	6.12
84)	T	1,2,4-Trimethy...	2.592	2.447	2.800	2.752	2.831	2.840	2.710	5.83
85)	T	sec-Butylbenzene	3.467	3.386	3.792	3.680	3.788	3.867	3.663	5.30
86)	T	p-Isopropyltol...	2.835	2.755	3.164	3.075	3.201	3.286	3.053	6.95
87)	T	1,3-Dichlorobe...	1.565	1.634	1.599	1.547	1.593	1.603	1.590	1.92
88)	T	1,4-Dichlorobe...	1.603	1.644	1.617	1.516	1.527	1.509	1.569	3.75
89)	T	n-Butylbenzene	2.668	2.633	2.922	2.886	2.979	3.035	2.854	5.81
90)	T	Hexachloroethane	0.518	0.538	0.558	0.530	0.550	0.562	0.542	3.16
91)	T	1,2-Dichlorobe...	1.377	1.400	1.334	1.353	1.347	1.333	1.357	1.93
92)	T	1,2-Dibromo-3-...	0.082	0.071	0.077	0.080	0.085	0.078	0.079	6.02
93)	T	1,2,4-Trichlor...	0.807	0.814	0.843	0.833	0.859	0.863	0.837	2.76
94)	T	Hexachlorobuta...	0.403	0.443	0.447	0.421	0.425	0.446	0.431	4.14
95)	T	Naphthalene	1.502	1.473	1.511	1.617	1.726	1.664	1.582	6.43
96)	T	1,2,3-Trichlor...	0.685	0.664	0.725	0.703	0.746	0.734	0.710	4.40

(#) = Out of Range



R = -4.403e-002 A*A + 3.701e-001 A + 1.231e-002
Coef of Det (r^2) = 0.991502 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121422S.M
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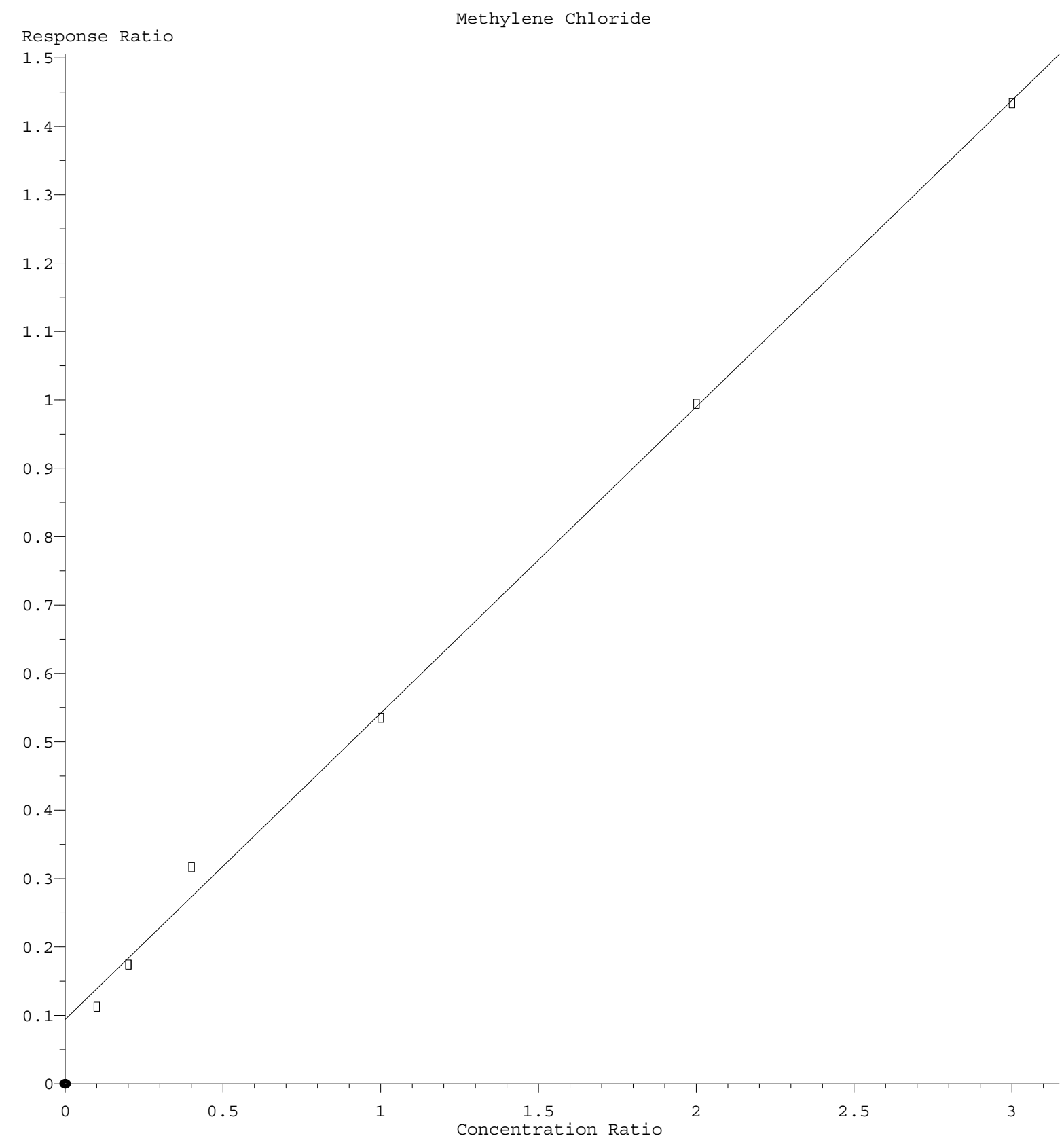

Response = 4.480e-001 * Amt + 9.409e-002
Coef of Det (r^2) = 0.997972 Curve Fit: Linear
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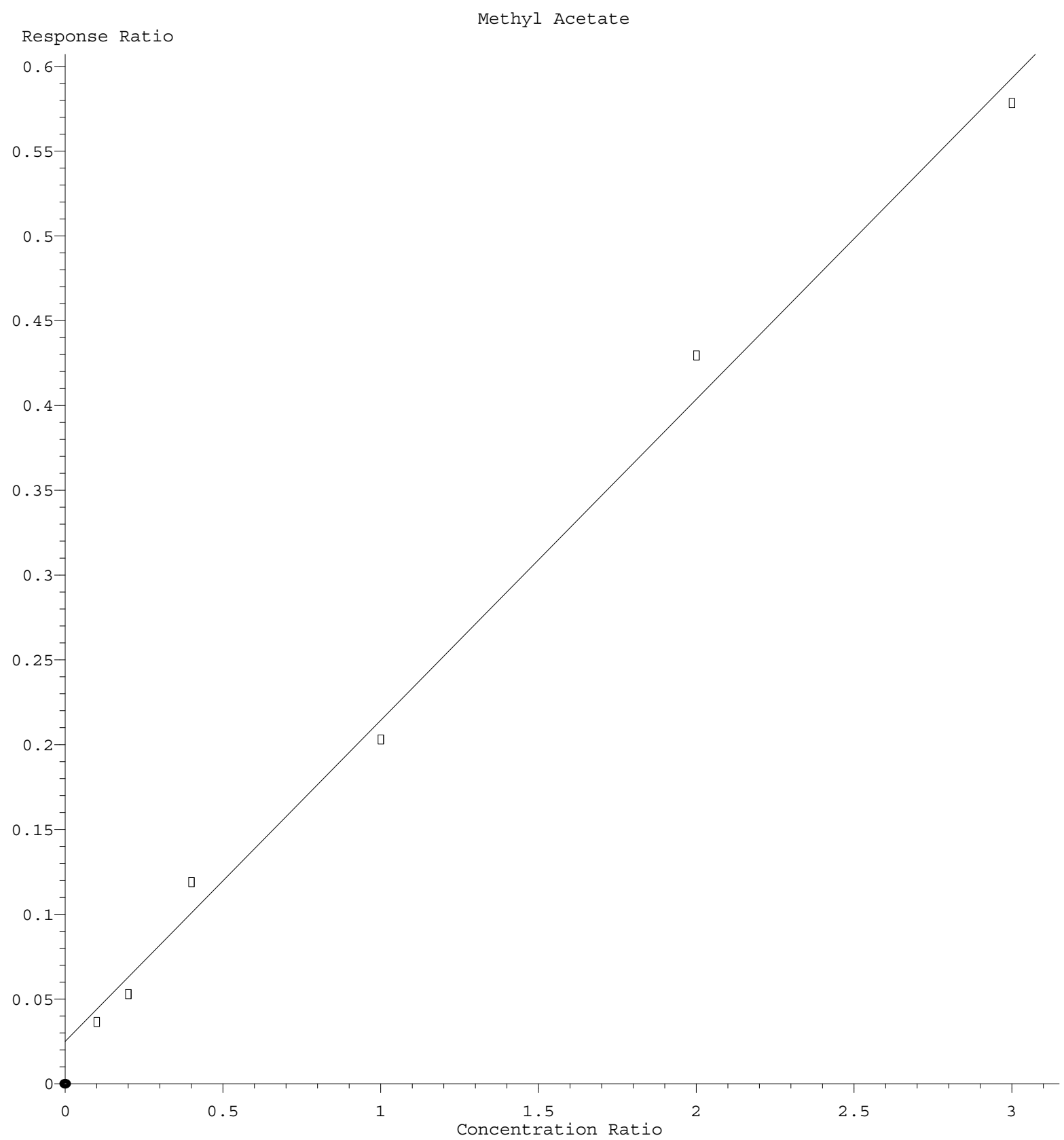
Calibration Table Last Updated: Thu Dec 15 03:27:53 2022



Response = 1.894e-001 * Amt + 2.503e-002
Coef of Det (r^2) = 0.993831 Curve Fit: Linear
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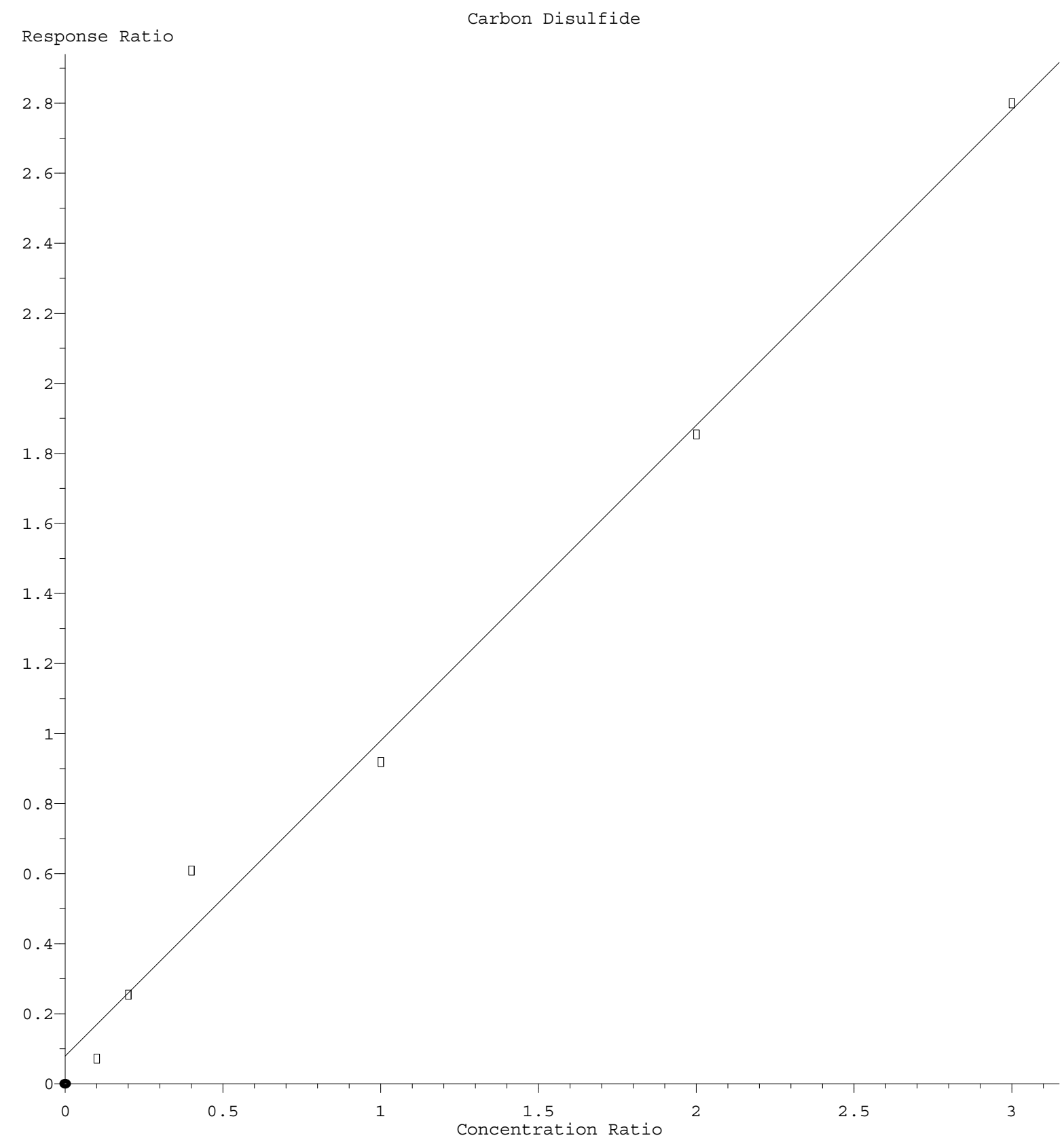
Calibration Table Last Updated: Thu Dec 15 03:27:53 2022



Response = 9.008e-001 * Amt + 7.855e-002
Coef of Det (r^2) = 0.992198 Curve Fit: Linear
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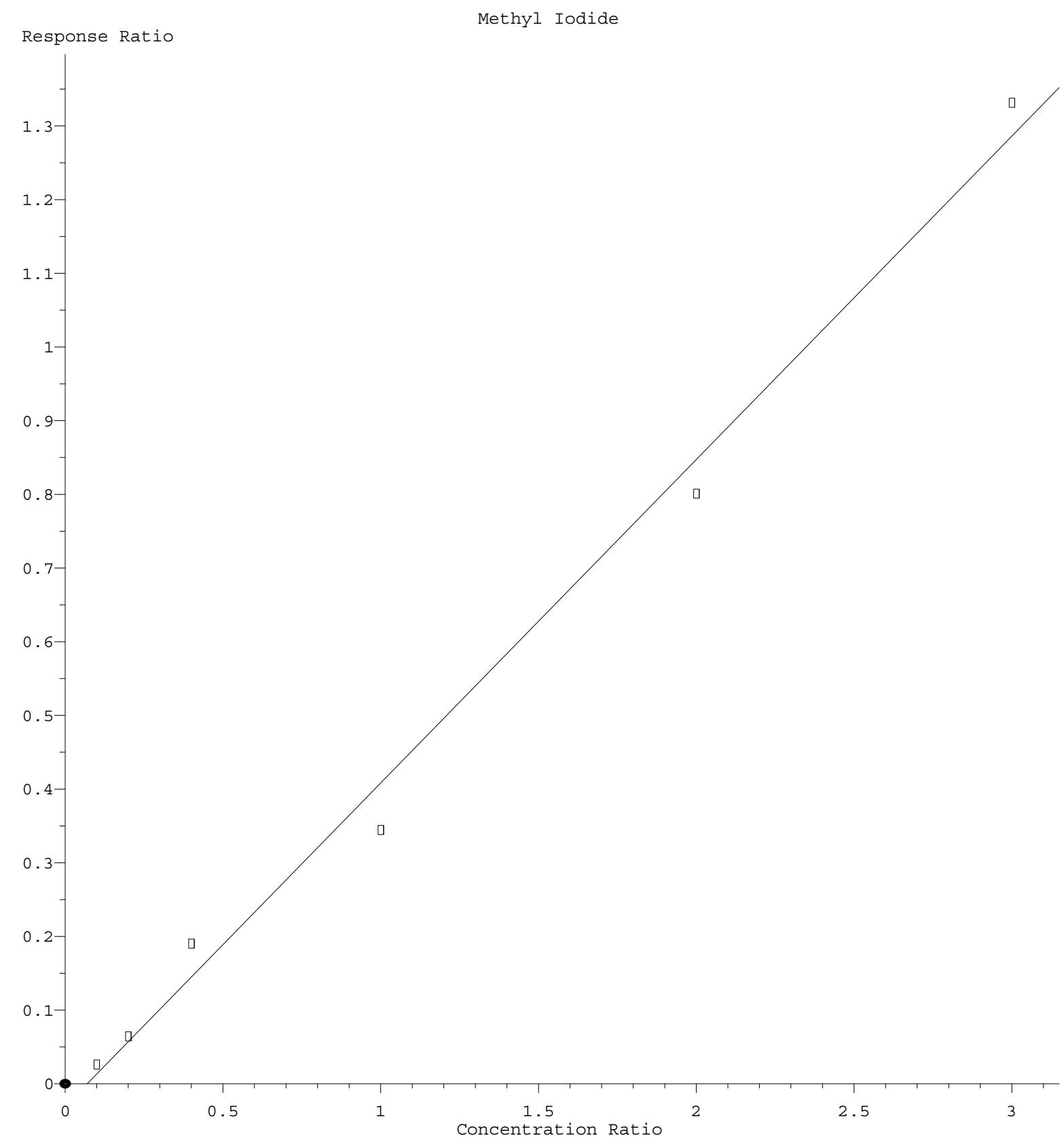
Calibration Table Last Updated: Thu Dec 15 03:27:53 2022



Response = 4.389e-001 * Amt - 3.057e-002
Coef of Det (r^2) = 0.991932 Curve Fit: Linear
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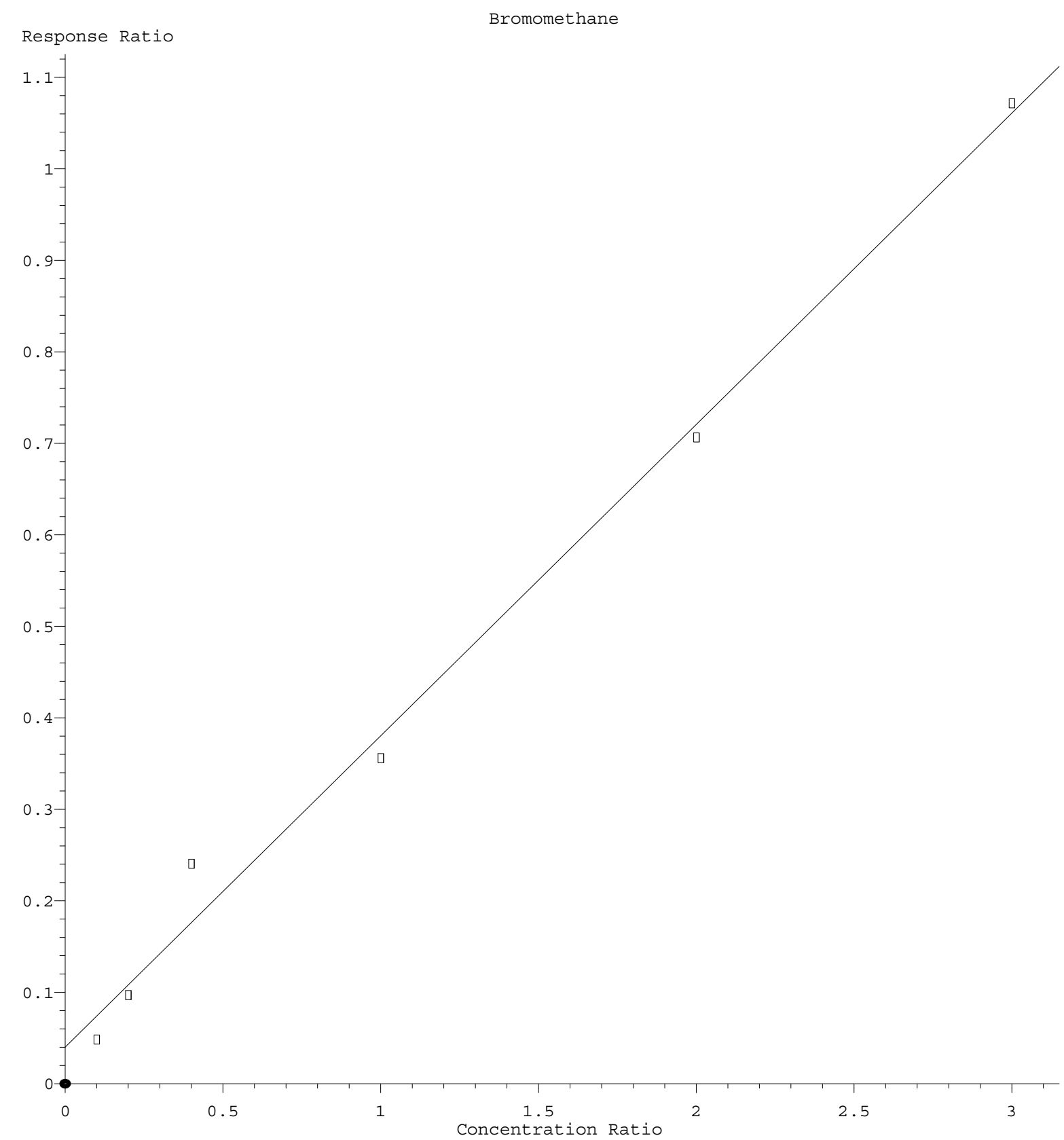
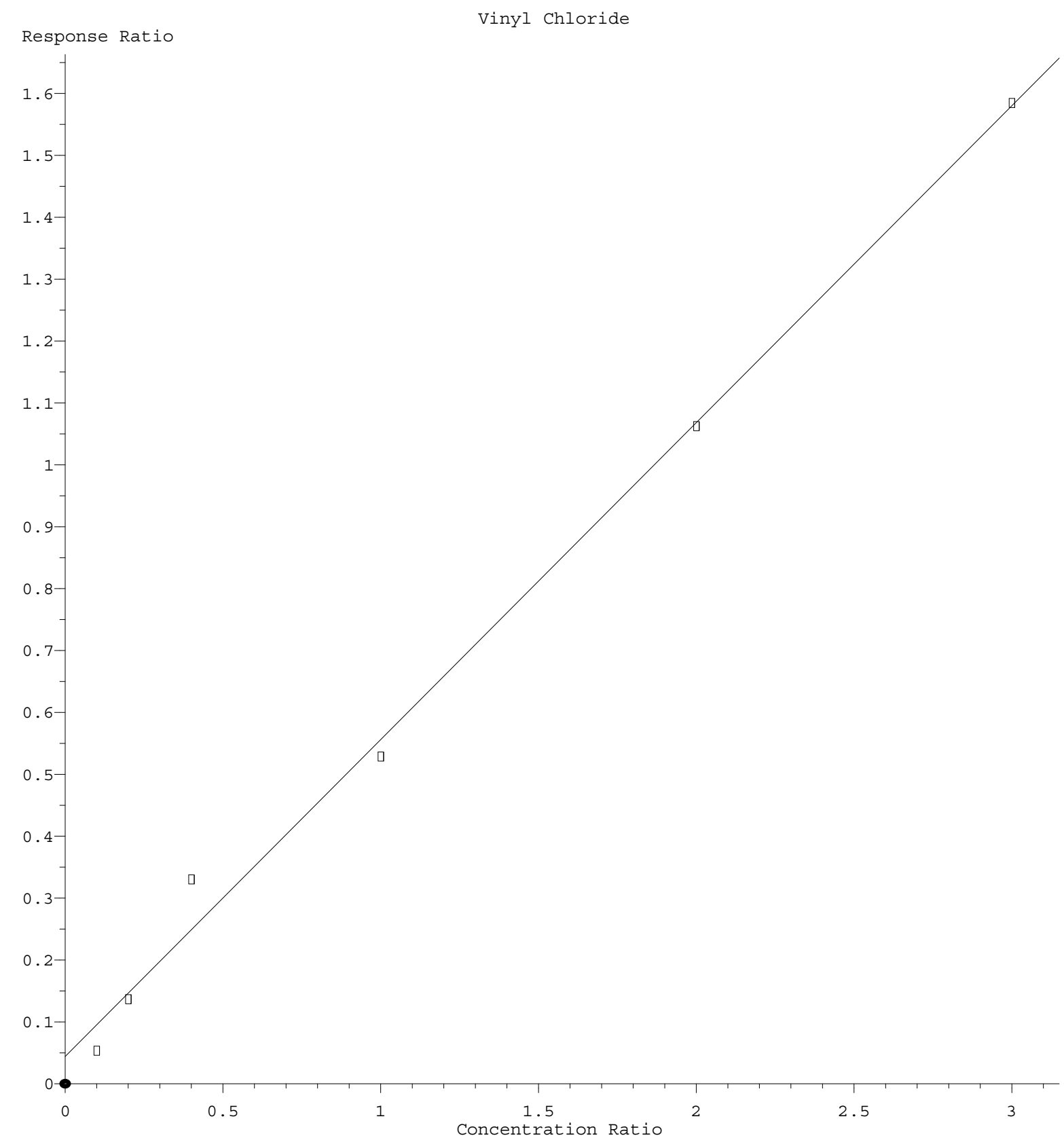
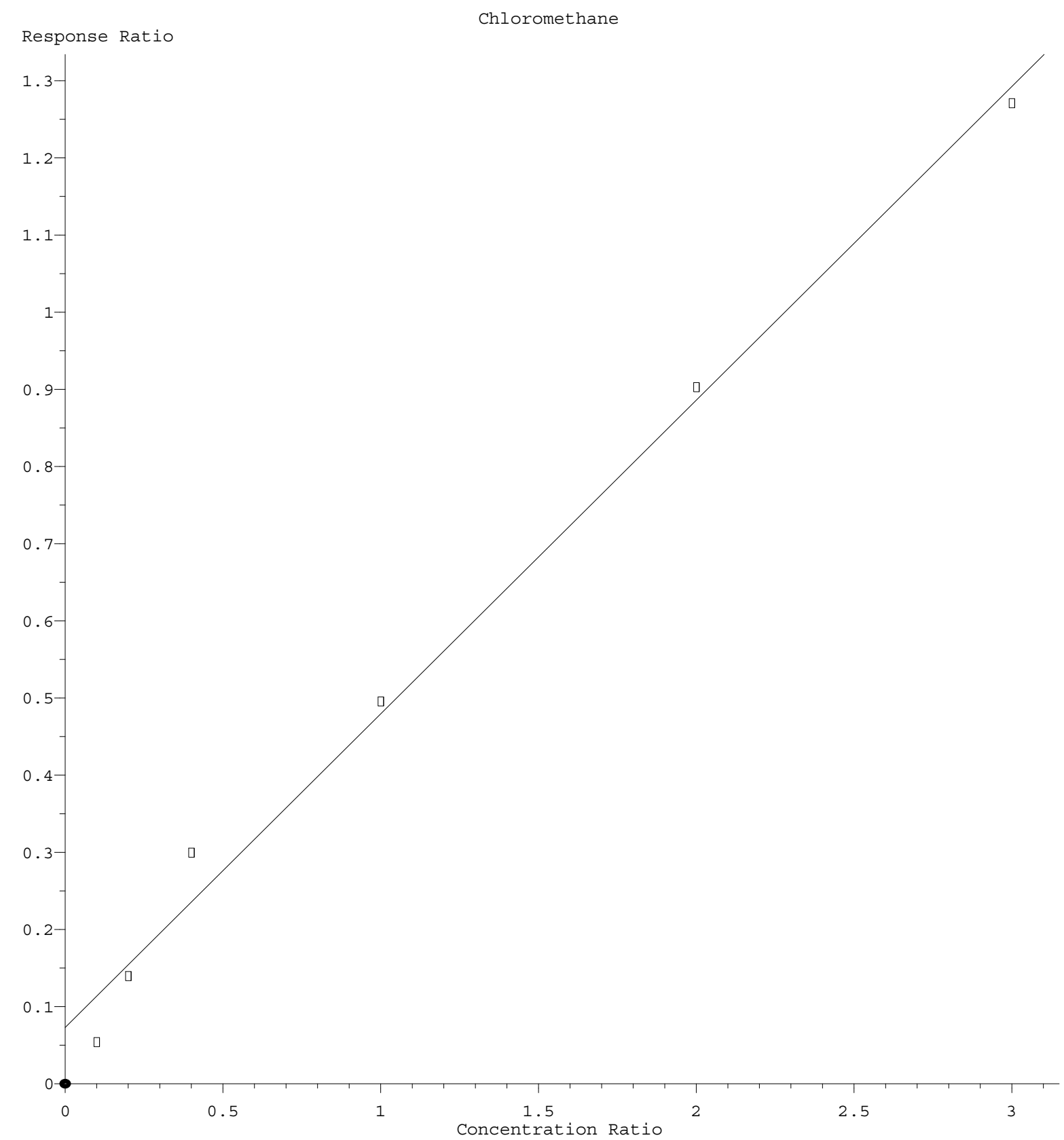
Calibration Table Last Updated: Thu Dec 15 03:27:53 2022



Response = 3.404e-001 * Amt + 3.980e-002
Coef of Det (r^2) = 0.992554 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121422S.M
Calibration Table Last Updated: Thu Dec 15 03:27:53 2022



Response = 5.120e-001 * Amt + 4.421e-002
Coef of Det (r^2) = 0.994767 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121422S.M
Calibration Table Last Updated: Thu Dec 15 03:27:53 2022



Response = 4.066e-001 * Amt + 7.296e-002
Coef of Det (r^2) = 0.992088 Curve Fit: Linear
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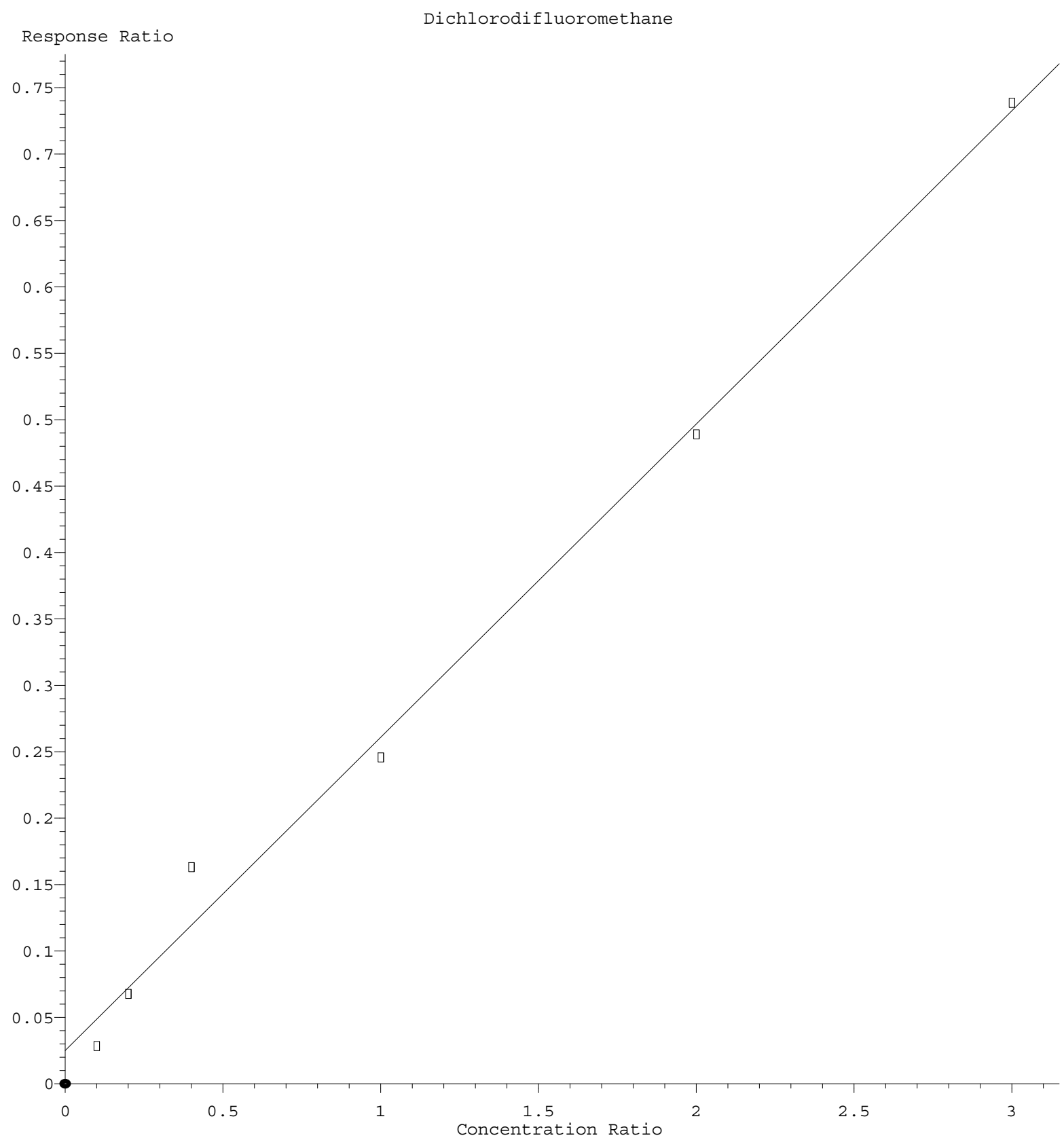
Calibration Table Last Updated: Thu Dec 15 03:27:53 2022



Response = 2.358e-001 * Amt + 2.541e-002
Coef of Det (r^2) = 0.992921 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121422S.M
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