Response Factor Report MSVOA_D

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
Method File : 82D122222S.M
Title : SW846 8260
Last Update : Fri Dec 23 05:54:19 2022
Response Via : Initial Calibration

Calibration Files
10 =VD075042.D 5 =VD075041.D 20 =VD075043.D 50 =VD075044.D 100 =VD075045.D 150 =VD075046.D

		Compound	10	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.349	0.285	0.317	0.214	0.231	0.233	0.271	19.99
3)	P	Chloromethane	0.596	0.479	0.551	0.394	0.370	0.387	0.463	20.46
4)	C	Vinyl Chloride	0.502	0.369	0.483	0.361	0.378	0.396	0.415	14.81#
5)	T	Bromomethane	0.279	0.252	0.221	0.172	0.170	0.168	0.210	22.78
6)	T	Chloroethane	0.305	0.273	0.282	0.236	0.236	0.244	0.263	10.87
7)	T	Trichlorofluor...	0.736	0.639	0.674	0.556	0.601	0.613	0.636	9.85
8)	T	Diethyl Ether	0.262	0.259	0.250	0.231	0.224	0.239	0.244	6.28
9)	T	1,1,2-Trichlor...	0.515	0.454	0.450	0.401	0.435	0.436	0.448	8.37
10)	T	Methyl Iodide	0.383	0.330	0.391	0.356	0.411	0.437	0.385	9.91
11)	T	Tert butyl alc...	0.043	0.053	0.047	0.038	0.033	0.036	0.042	17.79
12)	CM	1,1-Dichloroet...	0.511	0.419	0.477	0.386	0.399	0.408	0.433	11.35#
13)	T	Acrolein	0.064	0.068	0.067	0.053	0.049	0.052	0.059	14.57
14)	T	Allyl chloride	0.854	0.755	0.784	0.723	0.701	0.706	0.754	7.75
15)	T	Acrylonitrile	0.129	0.128	0.126	0.124	0.114	0.120	0.124	4.52
16)	T	Acetone	0.132	0.132	0.109	0.136	0.124	0.129	0.127	7.78
17)	T	Carbon Disulfide	1.262	0.697	1.152	0.742	0.761	0.780	0.899	26.99
18)	T	Methyl Acetate	0.386	0.578	0.376	0.299	0.261	0.286	0.364	31.83
19)	T	Methyl tert-bu...	1.212	1.239	1.147	1.126	1.066	1.114	1.151	5.61
20)	T	Methylene Chlo...	0.910	1.117	0.703	0.573	0.507	0.517	0.721	34.08
21)	T	trans-1,2-Dich...	0.573	0.491	0.524	0.430	0.430	0.438	0.481	12.32
22)	T	Diisopropyl ether	1.760	1.770	1.617	1.555	1.487	1.555	1.624	7.19
23)	T	Vinyl Acetate	0.820	0.561	0.675	0.790	0.756	0.805	0.734	13.54
24)	P	1,1-Dichloroet...	1.059	0.968	0.966	0.883	0.901	0.913	0.948	6.77
25)	T	2-Butanone	0.180	0.182	0.164	0.169	0.157	0.164	0.169	5.77
26)	T	2,2-Dichloropr...	0.925	0.903	0.868	0.777	0.800	0.811	0.847	7.07
27)	T	cis-1,2-Dichlo...	0.673	0.639	0.613	0.571	0.561	0.581	0.606	7.21
28)	T	Bromochloromet...	0.347	0.338	0.350	0.321	0.300	0.314	0.328	6.07
29)	T	Tetrahydrofuran	0.105	0.110	0.099	0.093	0.087	0.091	0.098	9.05
30)	C	Chloroform	0.988	0.973	0.935	0.887	0.871	0.902	0.926	5.14#
31)	T	Cyclohexane	1.003	0.937	0.872	0.644	0.657	0.665	0.796	20.08
32)	T	1,1,1-Trichlor...	0.874	0.830	0.833	0.732	0.757	0.781	0.801	6.67
33)	S	1,2-Dichloroet...	0.498	0.526	0.489	0.491	0.454	0.475	0.489	4.91
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.301	0.303	0.303	0.292	0.281	0.285	0.294	3.29
36)	T	1,1-Dichloropr...	0.447	0.379	0.411	0.339	0.352	0.351	0.380	11.03
37)	T	Ethyl Acetate	0.216	0.207	0.197	0.180	0.175	0.178	0.192	8.79
38)	T	Carbon Tetrach...	0.350	0.303	0.348	0.307	0.331	0.332	0.329	6.05
39)	T	Methylcyclohexane	0.554	0.468	0.518	0.400	0.419	0.411	0.462	13.69
40)	TM	Benzene	1.336	1.189	1.226	1.069	1.065	1.058	1.157	9.75
41)	T	Methacrylonitrile	0.125	0.152	0.116	0.111	0.104	0.108	0.119	14.78
42)	TM	1,2-Dichloroet...	0.313	0.311	0.309	0.283	0.272	0.282	0.295	6.11
43)	T	Isopropyl Acetate	0.399	0.447	0.390	0.369	0.350	0.362	0.386	9.01
44)	TM	Trichloroethene	0.359	0.342	0.336	0.291	0.295	0.291	0.319	9.50
45)	C	1,2-Dichloropr...	0.342	0.318	0.316	0.294	0.295	0.295	0.310	6.15#
46)	T	Dibromomethane	0.169	0.168	0.158	0.147	0.140	0.143	0.154	8.41
47)	T	Bromodichlorom...	0.427	0.424	0.404	0.388	0.381	0.386	0.401	5.00
48)	T	Methyl methacr...	0.206	0.173	0.184	0.165	0.162	0.162	0.175	9.73
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	2.69
50)	S	Toluene-d8	1.235	1.300	1.217	1.168	1.108	1.103	1.189	6.48
51)	T	4-Methyl-2-Pen...	0.202	0.205	0.193	0.188	0.175	0.182	0.191	6.07
52)	CM	Toluene	0.847	0.805	0.761	0.671	0.672	0.665	0.737	10.69#
53)	T	t-1,3-Dichloro...	0.419	0.393	0.396	0.385	0.370	0.381	0.391	4.26
54)	T	cis-1,3-Dichlo...	0.507	0.471	0.491	0.458	0.443	0.453	0.471	5.17
55)	T	1,1,2-Trichlor...	0.247	0.242	0.229	0.219	0.206	0.211	0.226	7.38
56)	T	Ethyl methacry...	0.322	0.319	0.301	0.290	0.273	0.278	0.297	6.90

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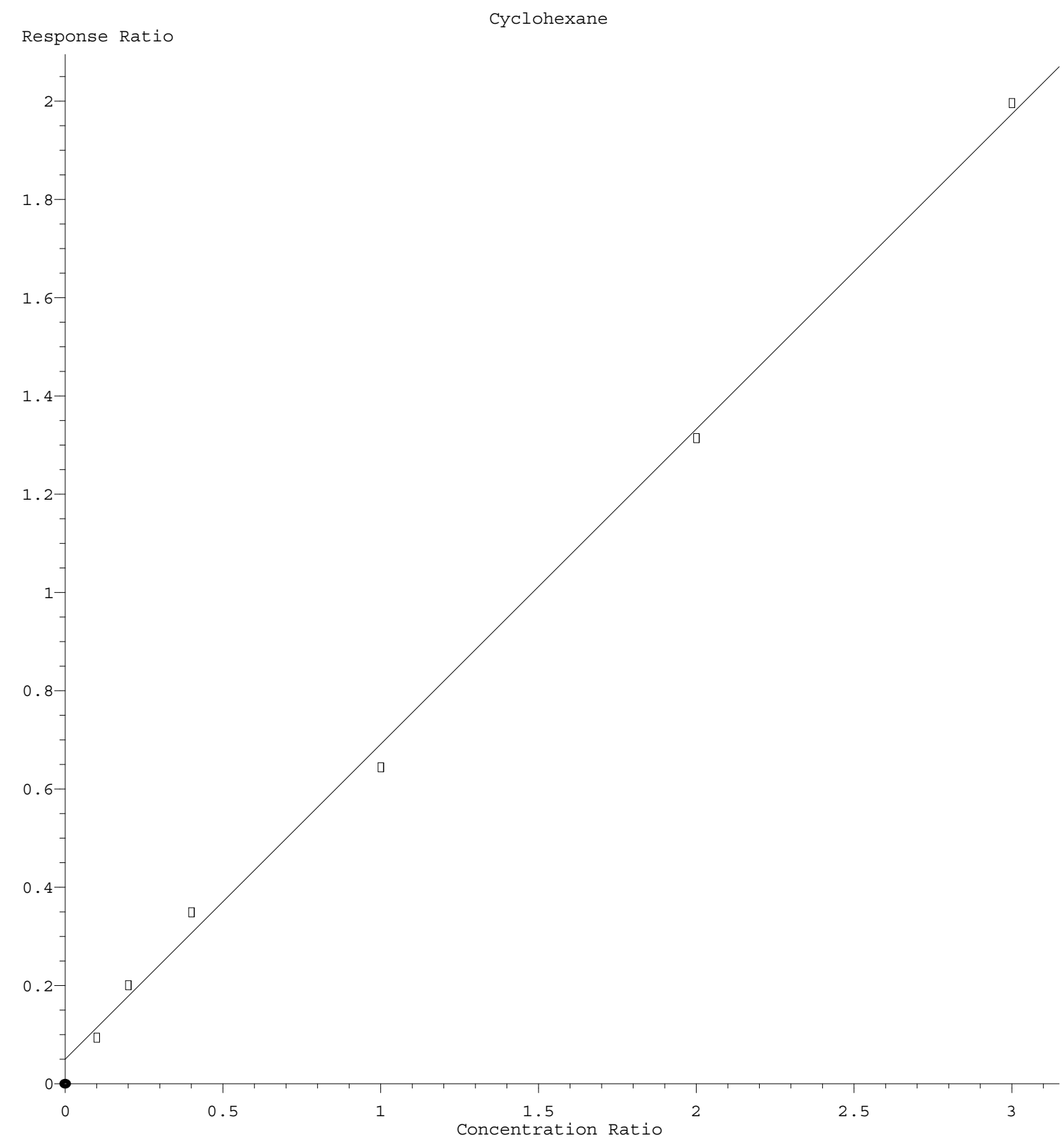
Method File : 82D122222S.M

57)	T	1,3-Dichloropr...	0.418	0.377	0.386	0.370	0.353	0.359	0.377	6.15
58)	T	2-Chloroethyl ...	0.123	0.125	0.126	0.122	0.116	0.119	0.122	2.90
59)	T	2-Hexanone	0.143	0.146	0.138	0.140	0.131	0.135	0.139	4.02
60)	T	Dibromochlorom...	0.280	0.264	0.261	0.253	0.244	0.249	0.259	5.07
61)	T	1,2-Dibromoethane	0.217	0.207	0.217	0.198	0.185	0.190	0.202	6.64
62)	S	4-Bromofluorob...	0.402	0.437	0.394	0.377	0.350	0.352	0.385	8.53
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.337	0.329	0.306	0.257	0.266	0.261	0.293	12.24
65)	PM	Chlorobenzene	1.005	0.972	0.947	0.852	0.856	0.847	0.913	7.65
66)	T	1,1,1,2-Tetrac...	0.335	0.338	0.319	0.301	0.300	0.304	0.316	5.46
67)	C	Ethyl Benzene	1.864	1.797	1.753	1.518	1.557	1.540	1.671	9.01#
68)	T	m/p-Xylenes	0.711	0.700	0.660	0.574	0.583	0.575	0.634	10.12
69)	T	o-Xylene	0.673	0.667	0.628	0.567	0.564	0.557	0.610	8.76
70)	T	Styrene	1.133	1.121	1.058	0.960	0.936	0.941	1.025	8.84
71)	P	Bromoform	0.177	0.183	0.173	0.169	0.162	0.164	0.172	4.65
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.127	4.066	3.906	3.480	3.755	3.667	3.833	6.44
74)	T	N-amyl acetate	1.021	1.064	0.976	0.898	0.925	0.953	0.973	6.32
75)	P	1,1,2,2-Tetrac...	0.685	0.747	0.686	0.660	0.655	0.669	0.684	4.89
76)	T	1,2,3-Trichlor...	0.536	0.559	0.511	0.471	0.489	0.510	0.513	6.18
77)	T	Bromobenzene	0.871	0.899	0.822	0.759	0.784	0.774	0.818	6.92
78)	T	n-propylbenzene	5.138	5.040	4.747	4.217	4.541	4.489	4.695	7.45
79)	T	2-Chlorotoluene	2.801	2.749	2.570	2.338	2.469	2.465	2.565	6.98
80)	T	1,3,5-Trimethy...	3.338	3.382	3.109	2.789	2.976	2.956	3.091	7.50
81)	T	trans-1,4-Dich...	0.226	0.234	0.215	0.213	0.213	0.226	0.221	4.01
82)	T	4-Chlorotoluene	2.829	2.823	2.651	2.401	2.497	2.502	2.617	6.90
83)	T	tert-Butylbenzene	2.954	2.951	2.771	2.486	2.653	2.606	2.737	6.97
84)	T	1,2,4-Trimethy...	3.263	3.287	3.028	2.723	2.852	2.889	3.007	7.63
85)	T	sec-Butylbenzene	4.569	4.561	4.246	3.768	4.047	4.018	4.202	7.61
86)	T	p-Isopropyltol...	3.640	3.715	3.335	2.994	3.228	3.200	3.352	8.24
87)	T	1,3-Dichlorobe...	1.734	1.784	1.607	1.454	1.521	1.492	1.599	8.45
88)	T	1,4-Dichlorobe...	1.749	1.748	1.619	1.459	1.504	1.503	1.597	8.06
89)	T	n-Butylbenzene	3.644	3.664	3.388	2.961	3.236	3.196	3.348	8.17
90)	T	Hexachloroethane	0.630	0.605	0.599	0.541	0.598	0.600	0.596	4.90
91)	T	1,2-Dichlorobe...	1.539	1.491	1.433	1.325	1.345	1.343	1.413	6.30
92)	T	1,2-Dibromo-3-...	0.107	0.115	0.098	0.101	0.102	0.107	0.105	5.61
93)	T	1,2,4-Trichlor...	0.977	1.032	0.882	0.864	0.908	0.907	0.928	6.84
94)	T	Hexachlorobuta...	0.492	0.516	0.447	0.416	0.459	0.454	0.464	7.55
95)	T	Naphthalene	1.972	2.037	1.923	1.883	1.900	1.910	1.937	2.97
96)	T	1,2,3-Trichlor...	0.826	0.847	0.779	0.750	0.782	0.797	0.797	4.37

(#) = Out of Range



Response = 6.414e-001 * Amt + 4.996e-002
Coef of Det (r^2) = 0.997919 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D122222S.M
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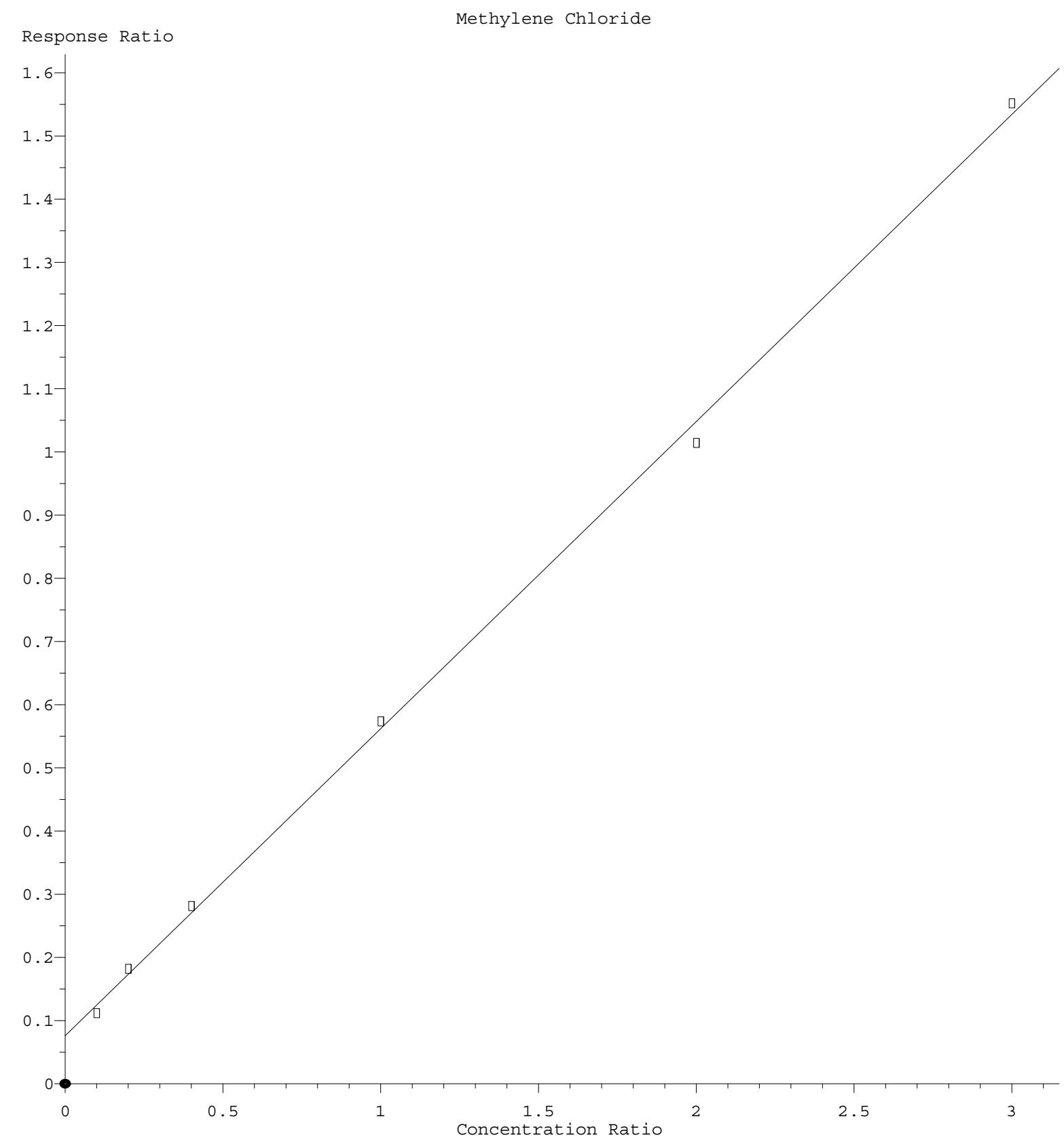

Response = 4.859e-001 * Amt + 7.645e-002
Coef of Det (r^2) = 0.998774 Curve Fit: Linear
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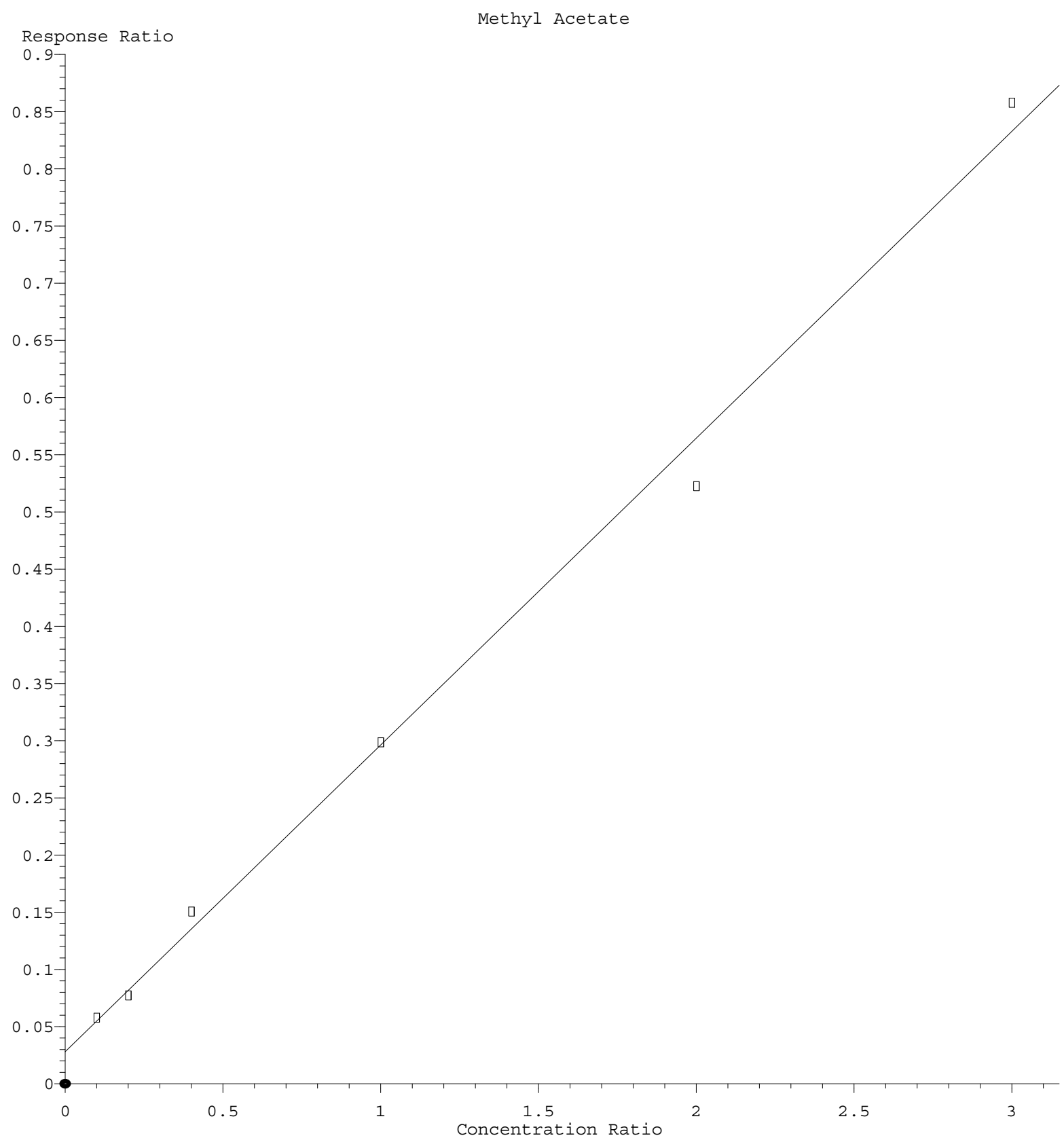
Calibration Table Last Updated: Fri Dec 23 05:54:19 2022



Response = 2.683e-001 * Amt + 2.785e-002
Coef of Det (r^2) = 0.994554 Curve Fit: Linear
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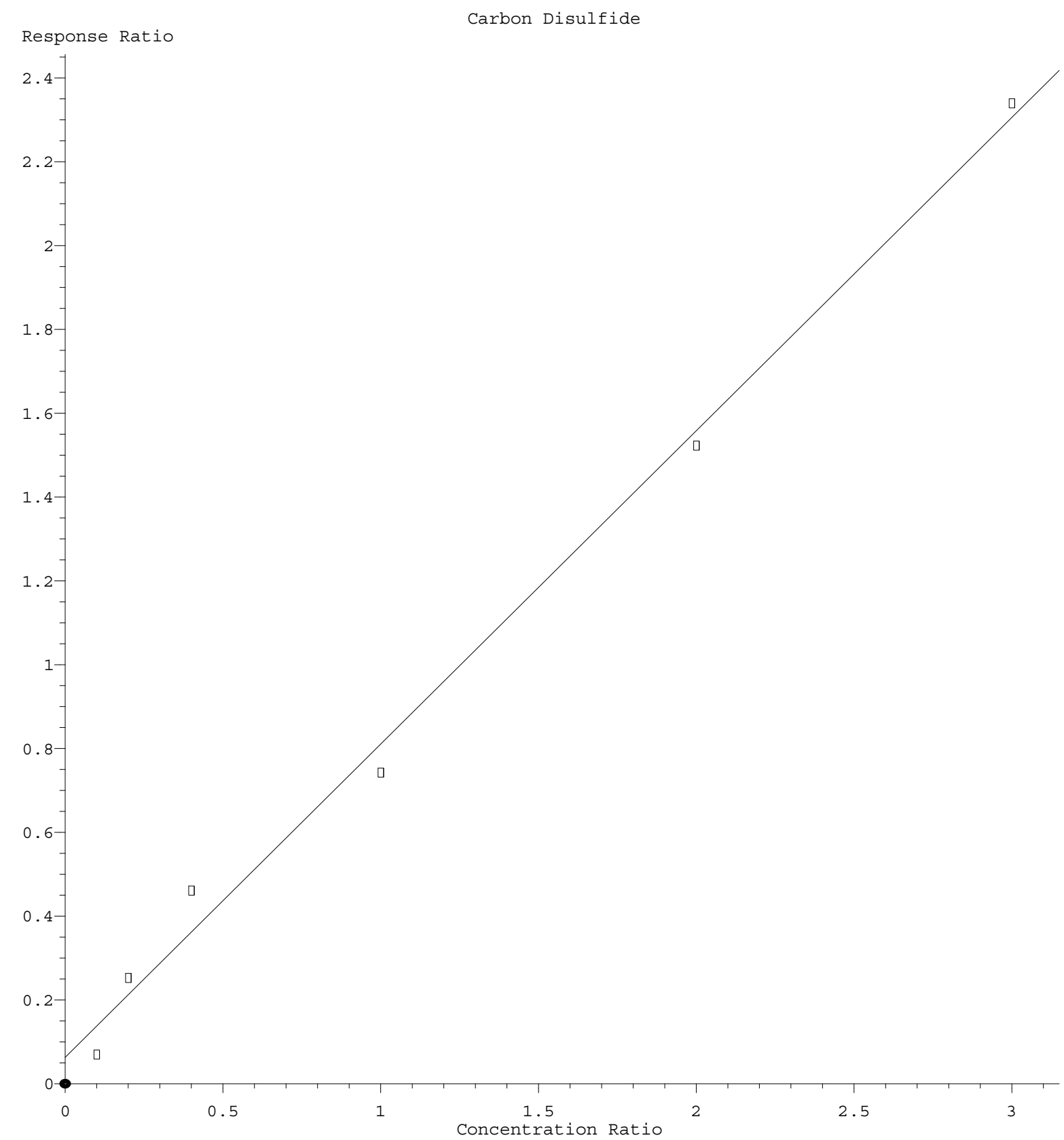
Calibration Table Last Updated: Fri Dec 23 05:54:19 2022



Response = 7.478e-001 * Amt + 6.284e-002
Coef of Det (r^2) = 0.993913 Curve Fit: Linear
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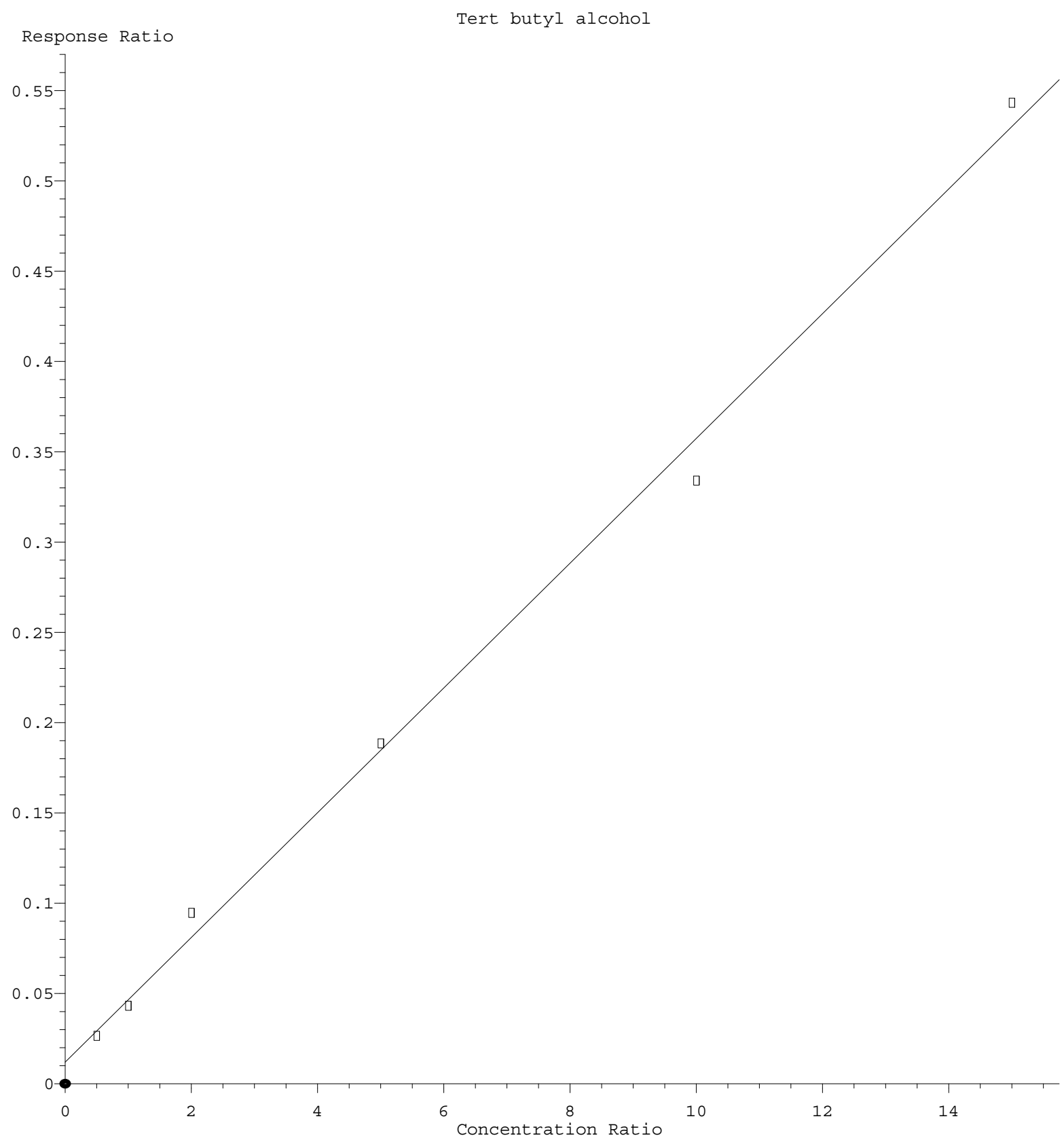
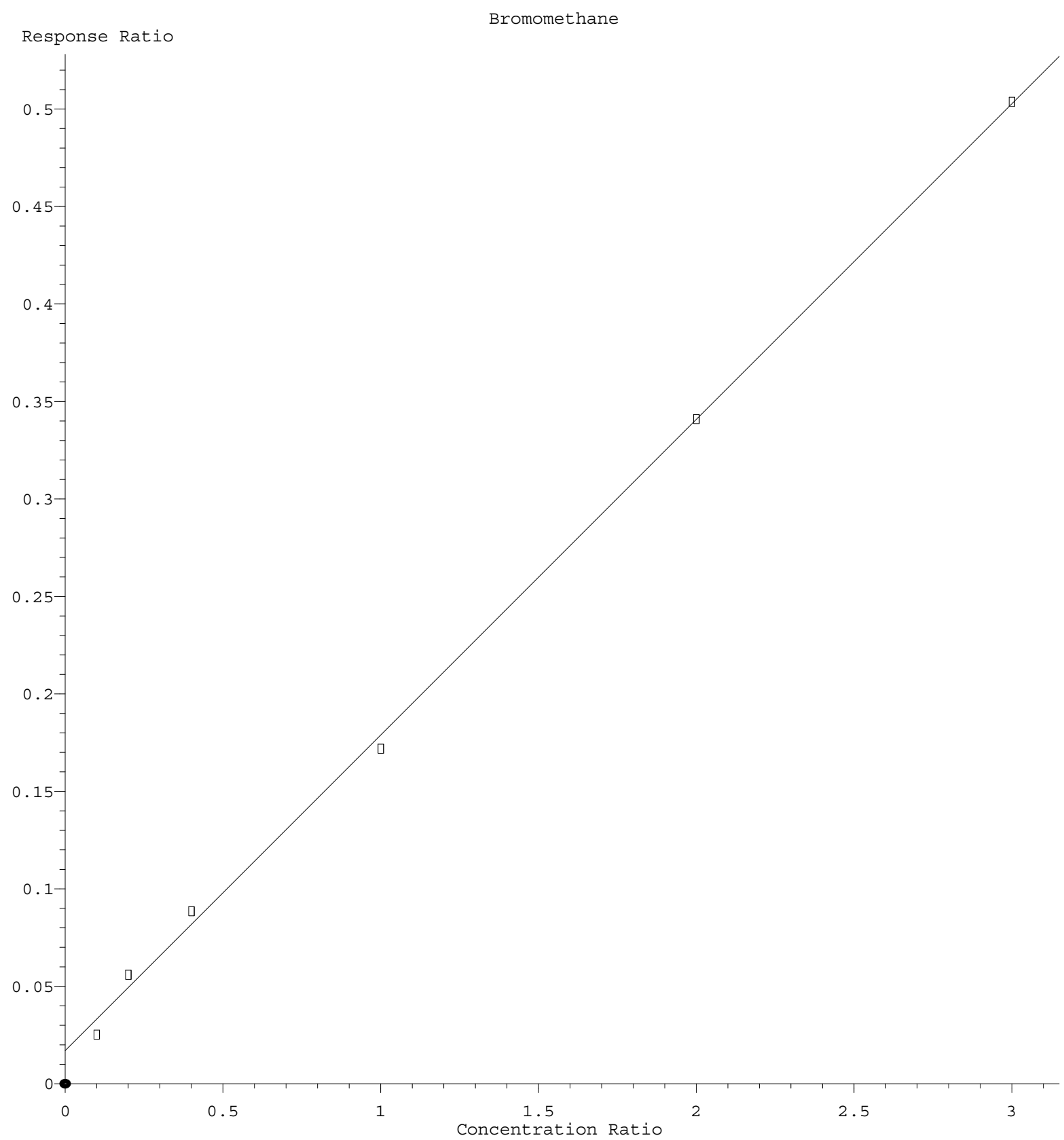
Calibration Table Last Updated: Fri Dec 23 05:54:19 2022



Response = 3.453e-002 * Amt + 1.219e-002
Coef of Det (r^2) = 0.995345 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D122222S.M
Calibration Table Last Updated: Fri Dec 23 05:54:19 2022



Response = 1.619e-001 * Amt + 1.686e-002
Coef of Det (r^2) = 0.998855 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D122222S.M
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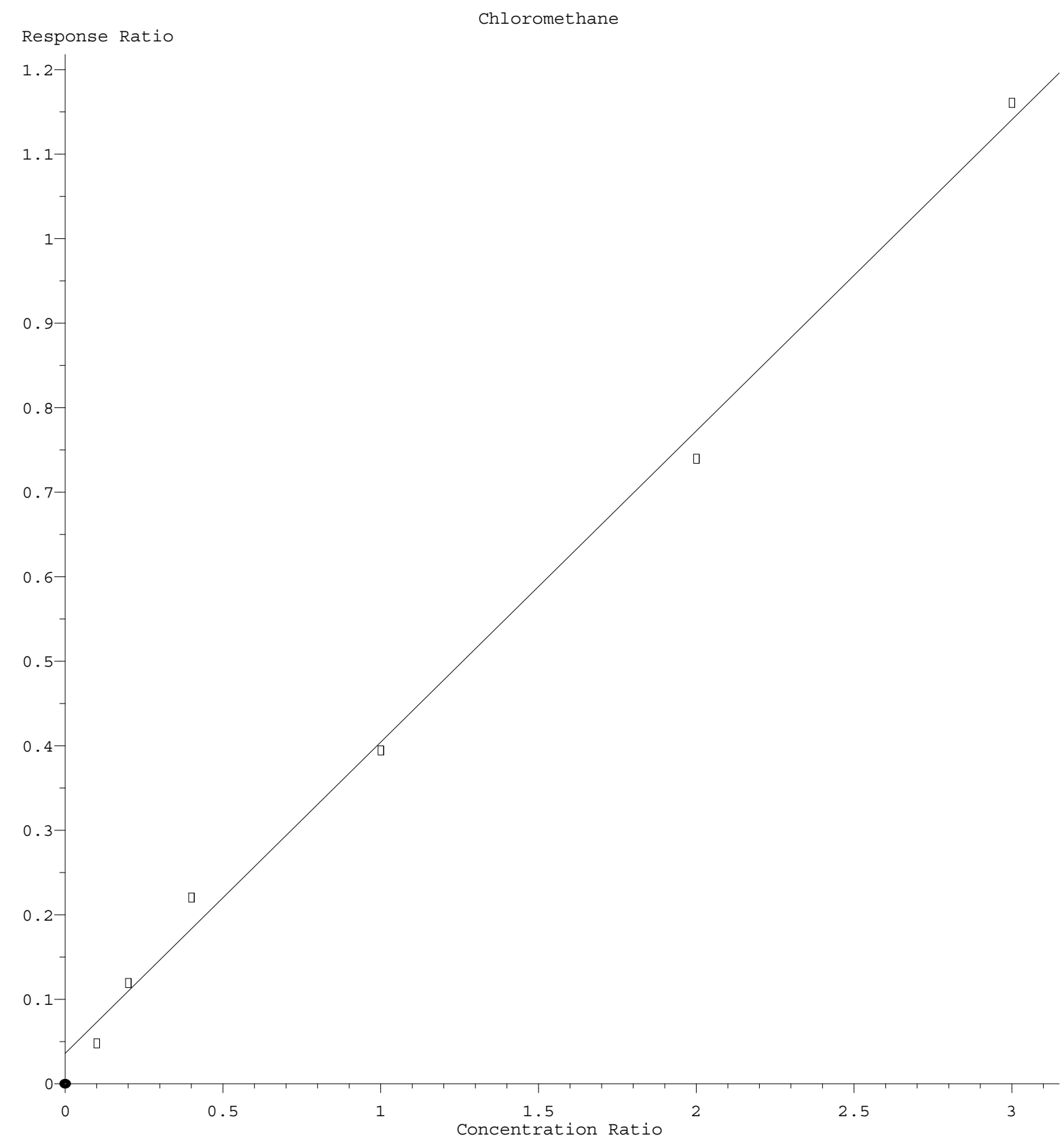

Response = 3.682e-001 * Amt + 3.584e-002
Coef of Det (r^2) = 0.995994 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
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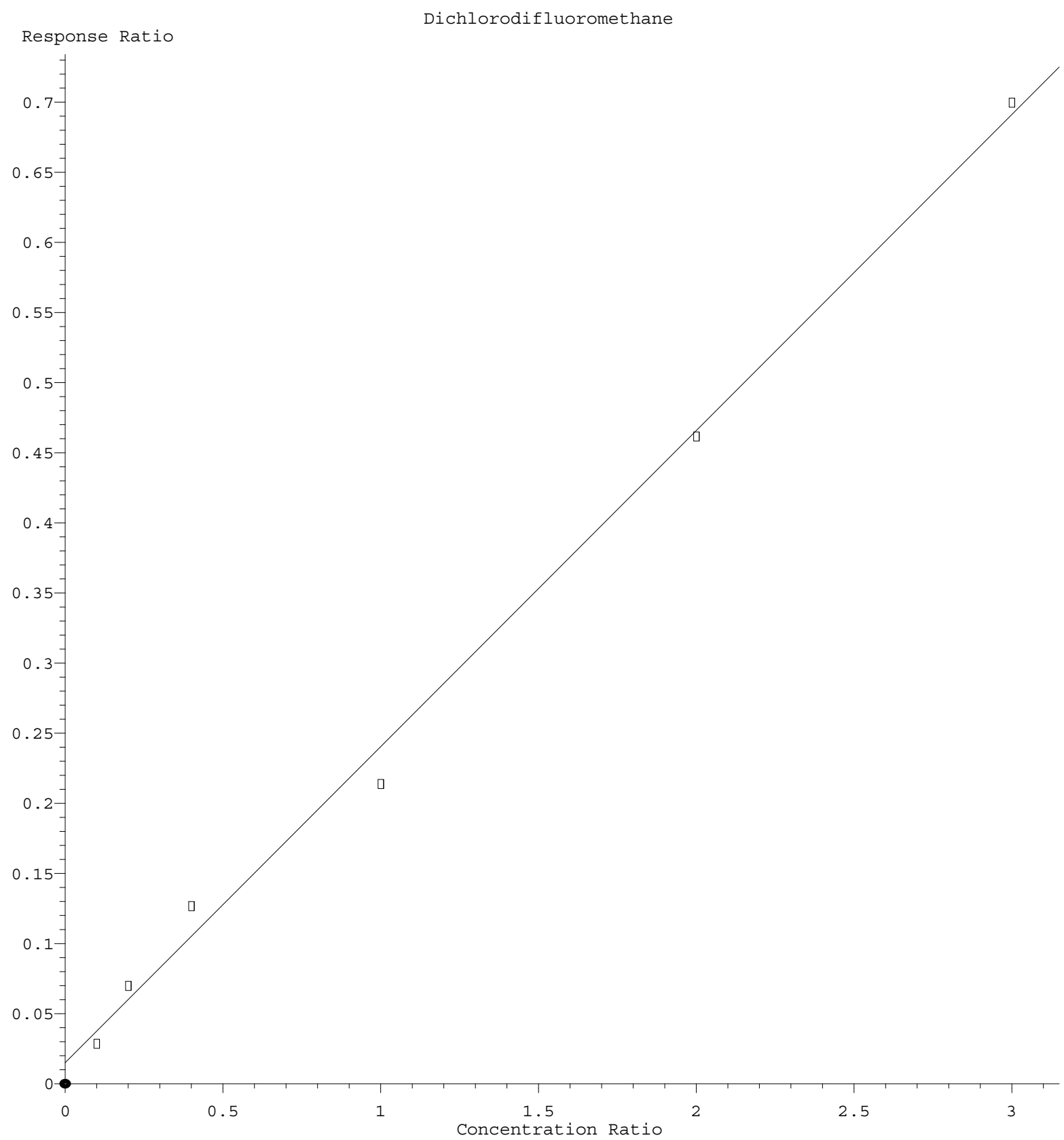

Response = 2.254e-001 * Amt + 1.496e-002
Coef of Det (r^2) = 0.995808 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
Calibration Table Last Updated: Fri Dec 23 05:54:19 2022