Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y030223S.M
Title : SW846 8260
Last Update : Fri Mar 03 01:13:13 2023
Response Via : Initial Calibration

Calibration Files
5 =VY012753.D 10 =VY012754.D 20 =VY012755.D 50 =VY012756.D 100 =VY012757.D 150 =VY012758.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.494	0.550	0.532	0.466	0.460	0.454	0.493	8.21
3)	P	Chloromethane	0.707	0.638	0.611	0.540	0.528	0.511	0.589	12.90
4)	C	Vinyl Chloride	0.569	0.577	0.550	0.525	0.521	0.500	0.540	5.57#
5)	T	Bromomethane	0.382	0.360	0.326	0.316	0.296	0.290	0.328	10.94
6)	T	Chloroethane	0.358	0.348	0.321	0.319	0.305	0.290	0.324	7.92
7)	T	Trichlorofluor...	0.989	0.939	0.905	0.864	0.852	0.836	0.897	6.52
8)	T	Diethyl Ether	0.328	0.339	0.300	0.313	0.305	0.301	0.314	5.04
9)	T	1,1,2-Trichlor...	0.579	0.567	0.540	0.524	0.522	0.506	0.540	5.26
10)	T	Methyl Iodide	0.687	0.664	0.697	0.739	0.732	0.701	0.703	4.02
11)	T	Tert butyl alc...	0.116	0.081	0.060	0.056	0.053	0.055	0.070	34.81
12)	CM	1,1-Dichloroet...	0.542	0.514	0.524	0.508	0.506	0.495	0.515	3.20#
13)	T	Acrolein	0.093	0.089	0.086	0.085	0.082	0.086	0.087	4.34
14)	T	Allyl chloride	0.972	0.949	0.931	0.952	0.954	0.948	0.951	1.38
15)	T	Acrylonitrile	0.177	0.171	0.161	0.166	0.158	0.161	0.166	4.26
16)	T	Acetone	0.203	0.191	0.172	0.209	0.200	0.195	0.195	6.60
17)	T	Carbon Disulfide	1.858	1.819	1.767	1.719	1.702	1.650	1.753	4.42
18)	T	Methyl Acetate	0.611	0.599	0.562	0.583	0.554	0.572	0.580	3.75
19)	T	Methyl tert-bu...	1.324	1.306	1.318	1.365	1.330	1.337	1.330	1.50
20)	T	Methylene Chlo...	1.059	0.787	0.714	0.605	0.573	0.546	0.714	26.86
21)	T	trans-1,2-Dich...	0.577	0.586	0.563	0.555	0.551	0.525	0.560	3.85
22)	T	Diisopropyl ether	1.718	1.764	1.779	1.759	1.685	1.660	1.727	2.77
23)	T	Vinyl Acetate	1.042	1.070	1.073	1.116	1.063	1.077	1.073	2.27
24)	P	1,1-Dichloroet...	1.031	1.012	0.988	0.979	0.955	0.940	0.984	3.48
25)	T	2-Butanone	0.250	0.241	0.228	0.252	0.237	0.240	0.241	3.66
26)	T	2,2-Dichloropr...	0.967	0.897	0.866	0.849	0.838	0.829	0.874	5.85
27)	T	cis-1,2-Dichlo...	0.603	0.613	0.600	0.608	0.592	0.584	0.600	1.79
28)	T	Bromochloromet...	0.324	0.398	0.374	0.365	0.348	0.349	0.360	7.03
29)	T	Tetrahydrofuran	0.146	0.147	0.143	0.151	0.141	0.145	0.146	2.36
30)	C	Chloroform	1.014	1.004	0.981	0.971	0.944	0.921	0.972	3.63#
31)	T	Cyclohexane	1.070	0.986	0.940	0.916	0.902	0.890	0.951	7.11
32)	T	1,1,1-Trichlor...	0.915	0.901	0.871	0.872	0.863	0.852	0.879	2.74
33)	S	1,2-Dichloroet...	0.531	0.520	0.510	0.486	0.465	0.467	0.496	5.65
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.315	0.313	0.308	0.299	0.289	0.286	0.302	4.11
36)	T	1,1-Dichloropr...	0.513	0.511	0.515	0.502	0.498	0.494	0.506	1.70
37)	T	Ethyl Acetate	0.335	0.338	0.314	0.308	0.303	0.315	0.319	4.58
38)	T	Carbon Tetrach...	0.521	0.528	0.530	0.523	0.515	0.516	0.522	1.21
39)	T	Methylcyclohexane	0.567	0.583	0.601	0.618	0.621	0.617	0.601	3.63
40)	TM	Benzene	1.470	1.458	1.443	1.433	1.397	1.381	1.430	2.43
41)	T	Methacrylonitrile	0.166	0.181	0.164	0.173	0.170	0.176	0.172	3.67
42)	TM	1,2-Dichloroet...	0.430	0.440	0.434	0.433	0.419	0.423	0.430	1.76
43)	T	Isopropyl Acetate	0.556	0.563	0.556	0.581	0.565	0.591	0.569	2.51
44)	TM	Trichloroethene	0.379	0.385	0.381	0.379	0.373	0.366	0.377	1.76
45)	C	1,2-Dichloropr...	0.362	0.378	0.367	0.355	0.355	0.351	0.361	2.81#
46)	T	Dibromomethane	0.208	0.216	0.207	0.208	0.199	0.197	0.206	3.38
47)	T	Bromodichlorom...	0.508	0.484	0.489	0.485	0.474	0.471	0.485	2.68
48)	T	Methyl methacr...	0.240	0.242	0.257	0.278	0.272	0.284	0.262	7.16
49)	T	1,4-Dioxane	0.002	0.003	0.003	0.003	0.003	0.003	0.003	4.33
50)	S	Toluene-d8	1.139	1.152	1.152	1.079	1.058	1.040	1.103	4.55
51)	T	4-Methyl-2-Pen...	0.291	0.311	0.306	0.322	0.306	0.315	0.308	3.37
52)	CM	Toluene	0.853	0.860	0.883	0.875	0.862	0.842	0.863	1.72#
53)	T	t-1,3-Dichloro...	0.493	0.505	0.507	0.518	0.514	0.518	0.509	1.88
54)	T	cis-1,3-Dichlo...	0.562	0.579	0.578	0.586	0.576	0.575	0.576	1.36
55)	T	1,1,2-Trichlor...	0.299	0.304	0.291	0.286	0.273	0.268	0.287	4.92
56)	T	Ethyl methacry...	0.354	0.358	0.371	0.408	0.397	0.407	0.382	6.44

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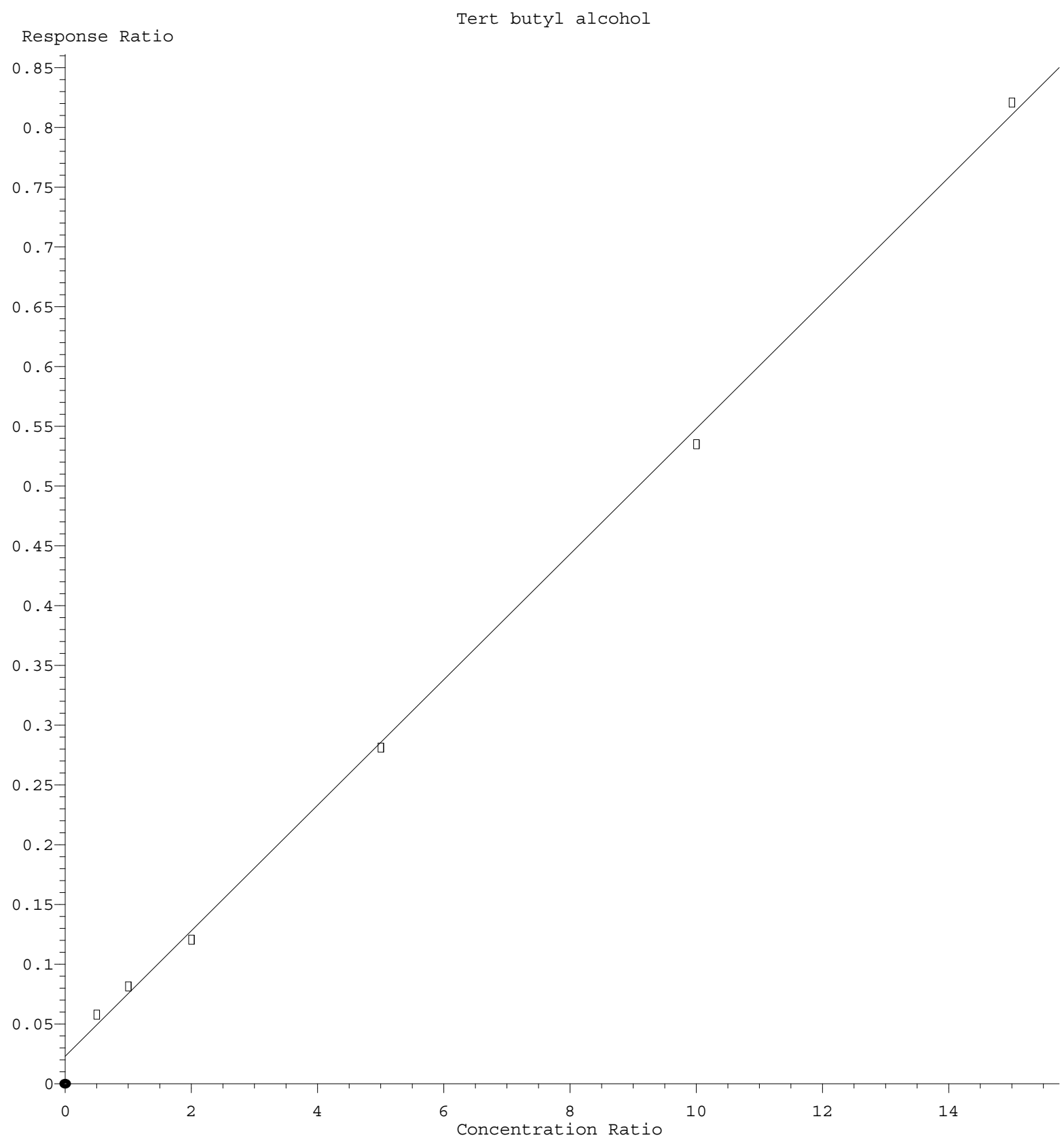
57)	T	1,3-Dichloropr...	0.497	0.496	0.491	0.495	0.477	0.475	0.489	2.05
58)	T	2-Chloroethyl ...	0.181	0.198	0.203	0.213	0.202	0.207	0.201	5.40
59)	T	2-Hexanone	0.205	0.218	0.223	0.240	0.228	0.232	0.224	5.42
60)	T	Dibromochlorom...	0.356	0.359	0.353	0.350	0.342	0.334	0.349	2.70
61)	T	1,2-Dibromoethane	0.290	0.290	0.271	0.278	0.264	0.264	0.276	4.31
62)	S	4-Bromofluorob...	0.378	0.392	0.382	0.367	0.362	0.353	0.372	3.87
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.360	0.380	0.370	0.364	0.355	0.355	0.364	2.68
65)	PM	Chlorobenzene	1.074	1.057	1.061	1.062	1.023	1.019	1.049	2.16
66)	T	1,1,1,2-Tetrac...	0.388	0.403	0.388	0.390	0.382	0.378	0.388	2.17
67)	C	Ethyl Benzene	1.761	1.818	1.840	1.898	1.880	1.873	1.845	2.71#
68)	T	m/p-Xylenes	0.671	0.706	0.722	0.735	0.713	0.711	0.710	3.01
69)	T	o-Xylene	0.644	0.636	0.666	0.677	0.679	0.672	0.662	2.72
70)	T	Styrene	1.028	1.073	1.115	1.159	1.136	1.121	1.105	4.28
71)	P	Bromoform	0.259	0.265	0.247	0.254	0.248	0.245	0.253	3.13
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.286	3.391	3.493	3.673	3.717	3.702	3.544	5.12
74)	T	N-amyl acetate	1.002	1.051	1.064	1.173	1.173	1.225	1.115	7.83
75)	P	1,1,2,2-Tetrac...	0.814	0.811	0.790	0.807	0.779	0.779	0.797	2.02
76)	T	1,2,3-Trichlor...	0.631	0.600	0.566	0.606	0.573	0.605	0.597	3.97
77)	T	Bromobenzene	0.856	0.850	0.848	0.872	0.876	0.863	0.861	1.34
78)	T	n-propylbenzene	4.063	4.200	4.309	4.544	4.571	4.526	4.369	4.83
79)	T	2-Chlorotoluene	2.272	2.392	2.421	2.500	2.495	2.489	2.428	3.64
80)	T	1,3,5-Trimethy...	2.680	2.863	2.938	3.009	3.037	3.019	2.924	4.64
81)	T	trans-1,4-Dich...	0.287	0.282	0.278	0.298	0.288	0.296	0.288	2.67
82)	T	4-Chlorotoluene	2.418	2.465	2.492	2.578	2.591	2.537	2.513	2.68
83)	T	tert-Butylbenzene	2.328	2.409	2.520	2.649	2.641	2.597	2.524	5.19
84)	T	1,2,4-Trimethy...	2.528	2.826	2.891	2.983	2.972	2.957	2.860	6.05
85)	T	sec-Butylbenzene	3.668	3.713	3.873	3.966	3.983	3.901	3.851	3.40
86)	T	p-Isopropyltol...	2.896	3.010	3.224	3.276	3.276	3.201	3.147	4.99
87)	T	1,3-Dichlorobe...	1.646	1.677	1.675	1.686	1.652	1.625	1.660	1.39
88)	T	1,4-Dichlorobe...	1.764	1.701	1.703	1.709	1.653	1.638	1.694	2.65
89)	T	n-Butylbenzene	2.857	2.881	2.997	3.130	3.126	3.087	3.013	4.04
90)	T	Hexachloroethane	0.694	0.638	0.654	0.652	0.650	0.645	0.655	3.01
91)	T	1,2-Dichlorobe...	1.530	1.507	1.496	1.531	1.484	1.458	1.501	1.89
92)	T	1,2-Dibromo-3-...	0.128	0.121	0.125	0.135	0.129	0.135	0.129	4.16
93)	T	1,2,4-Trichlor...	0.883	0.866	0.914	0.960	0.960	0.961	0.924	4.62
94)	T	Hexachlorobuta...	0.609	0.559	0.559	0.554	0.561	0.540	0.564	4.18
95)	T	Naphthalene	1.601	1.599	1.742	1.994	2.051	2.123	1.852	12.60
96)	T	1,2,3-Trichlor...	0.798	0.796	0.796	0.846	0.846	0.849	0.822	3.31

(#) = Out of Range



Response = 5.249e-002 * Amt + 2.302e-002
Coef of Det (r^2) = 0.999015 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y030223S.M
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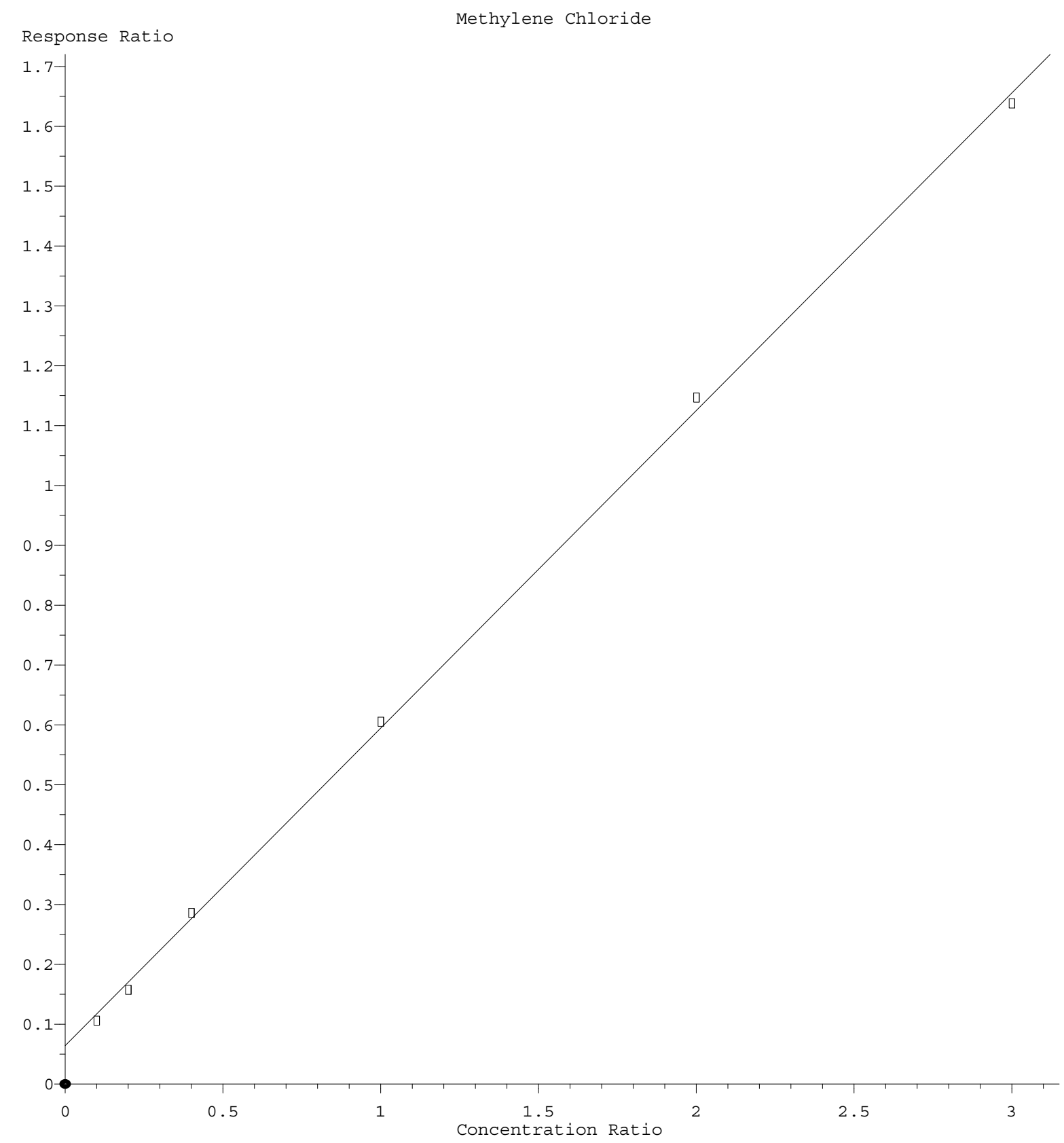

Response = 5.307e-001 * Amt + 6.390e-002
Coef of Det (r^2) = 0.999334 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y030223S.M
Calibration Table Last Updated: Fri Mar 03 01:13:13 2023