Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y111924S.M
Title : SW846 8260
Last Update : Wed Nov 20 04:38:24 2024
Response Via : Initial Calibration

Calibration Files
5 =VY020338.D 10 =VY020339.D 20 =VY020340.D 50 =VY020341.D 100 =VY020342.D 150 =VY020343.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.573	0.448	0.467	0.454	0.465	0.506	0.485	9.77
3)	P	Chloromethane	0.989	0.788	0.765	0.681	0.589	0.599	0.735	20.27
4)	C	Vinyl Chloride	0.816	0.722	0.664	0.622	0.572	0.599	0.666	13.59#
5)	T	Bromomethane	0.415	0.391	0.293	0.314	0.280	0.302	0.333	16.91
6)	T	Chloroethane	0.531	0.376	0.362	0.370	0.334	0.357	0.388	18.34
7)	T	Trichlorofluor...	1.130	0.863	0.896	0.931	0.821	0.910	0.925	11.61
8)	T	Diethyl Ether	0.319	0.262	0.294	0.306	0.286	0.285	0.292	6.73
9)	T	1,1,2-Trichlor...	0.666	0.508	0.536	0.592	0.479	0.525	0.551	12.27
10)	T	Methyl Iodide	0.846	0.657	0.727	0.826	0.670	0.703	0.738	10.80
11)	T	Tert butyl alc...	0.066	0.044	0.046	0.036	0.040	0.033	0.044	26.83
12)	CM	1,1-Dichloroet...	0.647	0.492	0.536	0.586	0.488	0.524	0.545	11.22#
13)	T	Acrolein	0.038	0.031	0.035	0.036	0.036	0.037	0.036	6.69
14)	T	Allyl chloride	1.289	0.978	1.079	0.946	0.999	1.039	1.055	11.72
15)	T	Acrylonitrile	0.143	0.116	0.139	0.124	0.133	0.119	0.129	8.54
16)	T	Acetone	0.160	0.110	0.132	0.160	0.141	0.123	0.138	14.66
17)	T	Carbon Disulfide	2.169	1.635	1.750	2.073	1.647	1.753	1.838	12.35
18)	T	Methyl Acetate	0.388	0.283	0.339	0.302	0.327	0.288	0.321	12.22
19)	T	Methyl tert-bu...	1.574	1.297	1.482	1.399	1.404	1.346	1.417	6.97
20)	T	Methylene Chlo...	0.693	0.546	0.595	0.571	0.543	0.552	0.583	9.77
21)	T	trans-1,2-Dich...	0.721	0.563	0.627	0.601	0.552	0.571	0.606	10.41
22)	T	Diisopropyl ether	2.561	2.032	1.887	2.014	2.022	1.955	2.079	11.67
23)	T	Vinyl Acetate	1.344	1.107	1.066	1.147	1.203	1.101	1.162	8.67
24)	P	1,1-Dichloroet...	1.461	1.141	1.083	1.137	1.101	1.117	1.173	12.15
25)	T	2-Butanone	0.179	0.176	0.168	0.180	0.197	0.165	0.177	6.49
26)	T	2,2-Dichloropr...	1.105	0.981	0.898	0.958	0.919	0.958	0.970	7.51
27)	T	cis-1,2-Dichlo...	0.710	0.664	0.643	0.687	0.647	0.653	0.667	3.92
28)	T	Bromochloromet...	0.534	0.553	0.441	0.509	0.450	0.476	0.494	9.25
29)	T	Tetrahydrofuran	0.099	0.110	0.100	0.107	0.120	0.100	0.106	7.54
30)	C	Chloroform	1.198	1.161	1.069	1.236	1.064	1.072	1.133	6.64#
31)	T	Cyclohexane	1.318	1.107	1.004	1.035	0.969	0.991	1.071	12.17
32)	T	1,1,1-Trichlor...	1.068	1.042	0.941	0.997	0.940	0.982	0.995	5.27
33)	S	1,2-Dichloroet...	0.609	0.523	0.545	0.636	0.563	0.571	0.574	7.26
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.346	0.347	0.307	0.323	0.288	0.312	0.321	7.16
36)	T	1,1-Dichloropr...	0.583	0.478	0.485	0.454	0.453	0.486	0.490	9.77
37)	T	Ethyl Acetate	0.209	0.244	0.224	0.212	0.244	0.213	0.224	7.19
38)	T	Carbon Tetrach...	0.575	0.500	0.500	0.478	0.483	0.533	0.511	7.16
39)	T	Methylcyclohexane	0.695	0.587	0.612	0.583	0.570	0.630	0.613	7.47
40)	TM	Benzene	1.632	1.376	1.440	1.348	1.378	1.435	1.435	7.18
41)	T	Methacrylonitrile	0.137	0.131	0.119	0.118	0.136	0.126	0.128	6.61
42)	TM	1,2-Dichloroet...	0.416	0.372	0.398	0.364	0.386	0.389	0.387	4.78
43)	T	Isopropyl Acetate	0.428	0.389	0.442	0.423	0.492	0.442	0.436	7.70
44)	TM	Trichloroethene	0.388	0.331	0.343	0.320	0.318	0.339	0.340	7.54
45)	C	1,2-Dichloropr...	0.374	0.331	0.348	0.319	0.334	0.347	0.342	5.52#
46)	T	Dibromomethane	0.185	0.173	0.177	0.172	0.175	0.171	0.175	3.01
47)	T	Bromodichlorom...	0.525	0.458	0.479	0.492	0.463	0.490	0.484	4.96
48)	T	Methyl methacr...	0.208	0.184	0.206	0.201	0.234	0.219	0.209	8.07
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.32
50)	S	Toluene-d8	1.397	1.186	1.208	1.398	1.130	1.259	1.263	8.88
51)	T	4-Methyl-2-Pen...	0.210	0.190	0.219	0.246	0.245	0.219	0.221	9.68
52)	CM	Toluene	0.970	0.836	0.890	0.850	0.829	0.889	0.877	5.99#
53)	T	t-1,3-Dichloro...	0.534	0.401	0.446	0.448	0.456	0.463	0.458	9.46
54)	T	cis-1,3-Dichlo...	0.541	0.493	0.527	0.505	0.530	0.551	0.524	4.14
55)	T	1,1,2-Trichlor...	0.250	0.223	0.263	0.219	0.222	0.221	0.233	8.10

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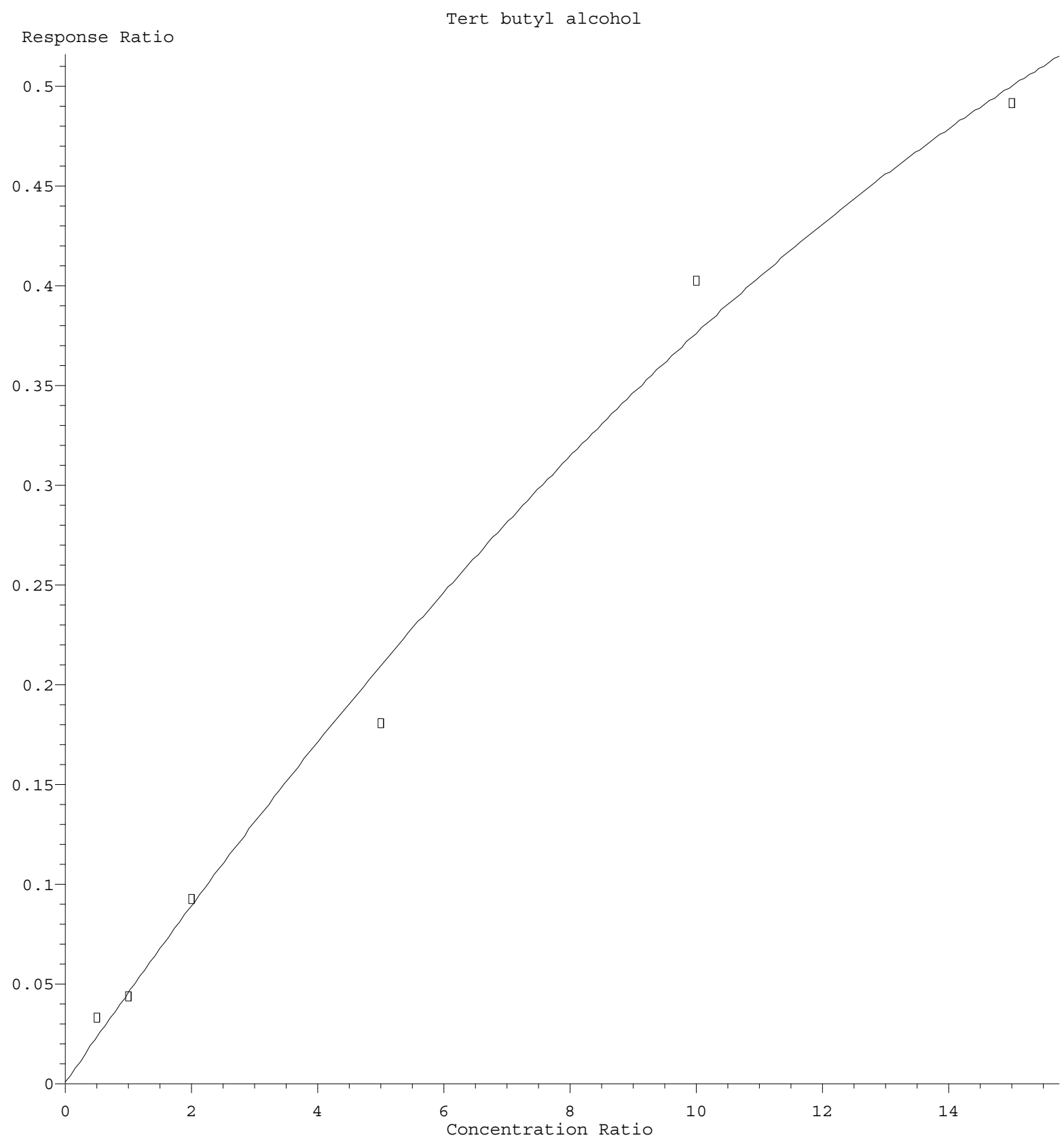
56)	T	Ethyl methacry...	0.378	0.307	0.339	0.354	0.367	0.354	0.350	7.09
57)	T	1,3-Dichloropr...	0.435	0.390	0.444	0.417	0.417	0.409	0.419	4.51
58)	T	2-Chloroethyl ...	0.178	0.162	0.160	0.156	0.167	0.172	0.166	4.96
59)	T	2-Hexanone	0.142	0.135	0.160	0.171	0.177	0.155	0.157	10.27
60)	T	Dibromochlorom...	0.319	0.273	0.307	0.305	0.297	0.300	0.300	5.06
61)	T	1,2-Dibromoethane	0.247	0.200	0.221	0.217	0.204	0.206	0.216	8.07
62)	S	4-Bromofluorob...	0.459	0.381	0.384	0.430	0.369	0.413	0.406	8.52
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.402	0.344	0.401	0.331	0.333	0.350	0.360	9.08
65)	PM	Chlorobenzene	1.258	1.079	1.083	1.144	1.040	1.085	1.115	6.97
66)	T	1,1,1,2-Tetrac...	0.428	0.351	0.360	0.369	0.354	0.372	0.372	7.60
67)	C	Ethyl Benzene	2.319	1.973	2.002	2.051	1.932	2.063	2.057	6.69#
68)	T	m/p-Xylenes	0.829	0.725	0.742	0.708	0.696	0.745	0.741	6.35
69)	T	o-Xylene	0.770	0.694	0.711	0.668	0.666	0.706	0.703	5.42
70)	T	Styrene	1.261	1.128	1.165	1.131	1.131	1.188	1.167	4.45
71)	P	Bromoform	0.207	0.180	0.195	0.189	0.199	0.194	0.194	4.68
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.851	4.028	4.070	4.314	3.899	4.251	4.236	7.96
74)	T	N-amyl acetate	0.918	0.878	1.001	1.094	1.164	1.085	1.024	10.82
75)	P	1,1,2,2-Tetrac...	0.729	0.646	0.683	0.728	0.676	0.646	0.685	5.44
76)	T	1,2,3-Trichlor...	0.415	0.455	0.479	0.511	0.503	0.465	0.471	7.45
77)	T	Bromobenzene	0.973	0.840	0.858	0.923	0.847	0.883	0.887	5.84
78)	T	n-propylbenzene	5.602	4.857	4.973	5.199	4.722	5.146	5.083	6.10
79)	T	2-Chlorotoluene	3.136	2.687	3.201	2.886	2.706	2.920	2.923	7.28
80)	T	1,3,5-Trimethy...	3.622	3.162	3.792	3.392	3.156	3.414	3.423	7.34
81)	T	trans-1,4-Dich...	0.235	0.214	0.230	0.256	0.257	0.252	0.241	7.14
82)	T	4-Chlorotoluene	3.301	2.810	3.266	2.948	2.773	3.000	3.016	7.42
83)	T	tert-Butylbenzene	3.233	2.921	3.004	3.092	2.801	3.073	3.021	4.94
84)	T	1,2,4-Trimethy...	3.600	3.376	3.453	3.404	3.134	3.395	3.394	4.45
85)	T	sec-Butylbenzene	5.836	4.237	4.948	5.073	4.046	4.434	4.762	13.87
86)	T	p-Isopropyltol...	4.038	3.365	3.793	3.854	3.357	3.687	3.682	7.43
87)	T	1,3-Dichlorobe...	2.072	1.668	1.839	1.848	1.621	1.719	1.794	9.11
88)	T	1,4-Dichlorobe...	1.938	1.651	1.709	1.730	1.579	1.679	1.714	7.10
89)	T	n-Butylbenzene	3.853	3.314	3.479	3.661	3.259	3.589	3.526	6.31
90)	T	Hexachloroethane	0.756	0.650	0.719	0.771	0.654	0.715	0.711	7.07
91)	T	1,2-Dichlorobe...	1.630	1.401	1.506	1.547	1.414	1.474	1.495	5.75
92)	T	1,2-Dibromo-3-...	0.130	0.098	0.108	0.119	0.113	0.105	0.112	9.98
93)	T	1,2,4-Trichlor...	0.974	0.841	0.856	0.894	0.900	0.958	0.904	5.92
94)	T	Hexachlorobuta...	0.603	0.519	0.530	0.539	0.529	0.590	0.552	6.46
95)	T	Naphthalene	1.445	1.394	1.453	1.636	1.720	1.691	1.557	9.11
96)	T	1,2,3-Trichlor...	0.817	0.784	0.721	0.748	0.762	0.806	0.773	4.69

(#) = Out of Range



R = -8.522e-004 A*A + 4.609e-002 A + 5.442e-004
Coef of Det (r^2) = 0.990971 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y111924S.M
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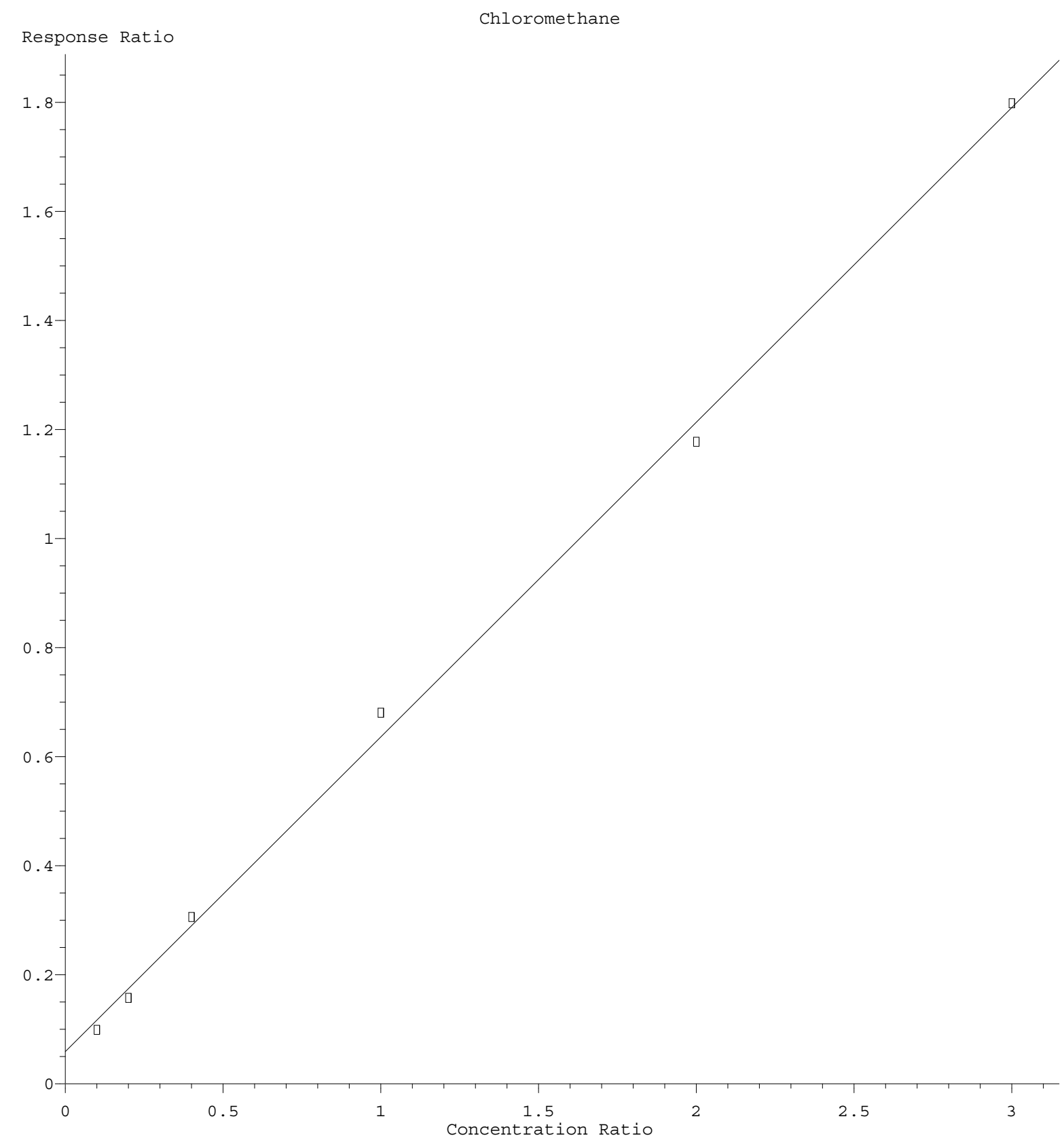

Response = 5.772e-001 * Amt + 5.864e-002
Coef of Det (r^2) = 0.998139 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y111924S.M
Calibration Table Last Updated: Wed Nov 20 04:38:24 2024