Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N081523W.M
Title : SW846 8260
Last Update : Wed Aug 16 02:42:02 2023
Response Via : Initial Calibration

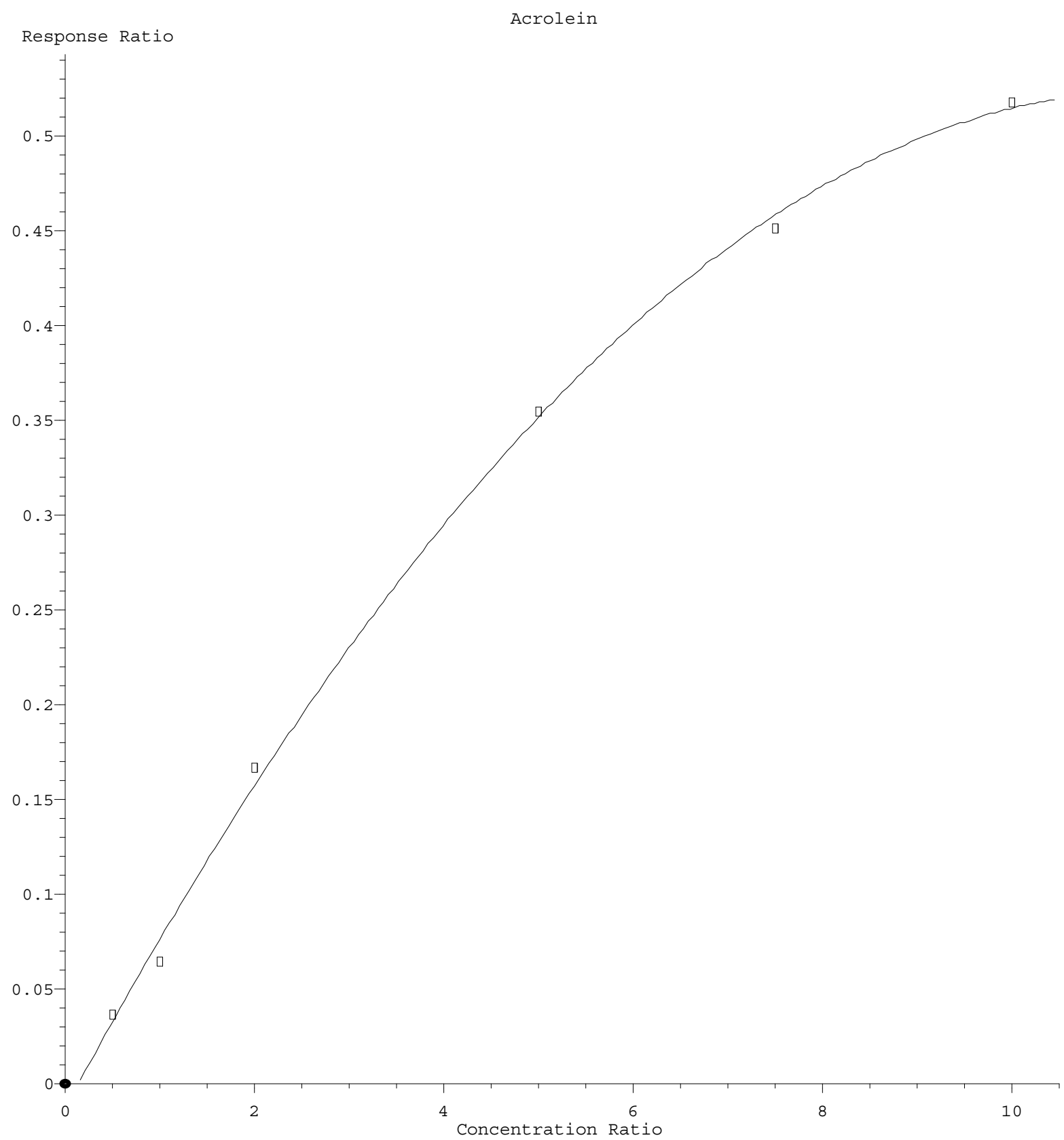
Calibration Files
10 =VN078886.D 5 =VN078887.D 100 =VN078882.D 20 =VN078885.D 50 =VN078884.D 75 =VN078883.D

		Compound	10	5	100	20	50	75	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.677	0.827	0.599	0.738	0.671	0.650	0.694	11.46
3)	P	Chloromethane	1.012	1.196	0.817	1.006	0.931	0.850	0.969	14.10
4)	C	Vinyl Chloride	0.826	0.969	0.772	0.874	0.834	0.824	0.849	7.87#
5)	T	Bromomethane	0.514	0.591	0.418	0.509	0.455	0.439	0.488	13.01
6)	T	Chloroethane	0.622	0.673	0.585	0.592	0.561	0.531	0.594	8.31
7)	T	Trichlorofluor...	1.008	1.177	0.935	1.060	1.026	1.002	1.035	7.82
8)	T	Diethyl Ether	0.394	0.439	0.367	0.401	0.379	0.375	0.392	6.63
9)	T	1,1,2-Trichlor...	0.534	0.594	0.504	0.601	0.545	0.528	0.551	7.02
10)	T	Methyl Iodide	0.561	0.626	0.583	0.642	0.654	0.633	0.617	5.93
11)	T	Tert butyl alc...	0.131	0.158	0.113	0.128	0.128	0.125	0.131	11.38
12)	CM	1,1-Dichloroet...	0.523	0.590	0.494	0.563	0.534	0.517	0.537	6.43#
13)	T	Acrolein	0.064	0.073	0.052	0.083	0.071	0.060	0.067	16.33
14)	T	Allyl chloride	1.075	1.244	0.931	1.102	1.111	0.947	1.068	10.85
15)	T	Acrylonitrile	0.349	0.382	0.328	0.361	0.356	0.345	0.354	5.06
16)	T	Acetone	0.323	0.352	0.287	0.322	0.329	0.312	0.321	6.61
17)	T	Carbon Disulfide	1.493	1.739	1.371	1.517	1.471	1.426	1.503	8.44
18)	T	Methyl Acetate	1.375	1.535	1.207	1.418	1.330	1.273	1.356	8.46
19)	T	Methyl tert-bu...	1.859	1.987	1.847	2.006	1.963	1.940	1.934	3.44
20)	T	Methylene Chlo...	0.675	0.816	0.614	0.707	0.658	0.635	0.684	10.53
21)	T	trans-1,2-Dich...	0.582	0.674	0.563	0.610	0.604	0.580	0.602	6.50
22)	T	Diisopropyl ether	2.215	2.257	2.173	2.350	2.310	2.256	2.260	2.81
23)	T	Vinyl Acetate	1.373	1.539	1.447	1.520	1.549	1.500	1.488	4.52
24)	P	1,1-Dichloroet...	1.202	1.407	1.143	1.240	1.227	1.190	1.235	7.36
25)	T	2-Butanone	0.510	0.542	0.472	0.531	0.522	0.512	0.515	4.69
26)	T	2,2-Dichloropr...	1.017	1.002	0.946	1.014	1.009	1.000	0.998	2.64
27)	T	cis-1,2-Dichlo...	0.723	0.825	0.676	0.754	0.715	0.695	0.732	7.22
28)	T	Bromochloromet...	0.592	0.687	0.655	0.670	0.662	0.663	0.655	4.99
29)	T	Tetrahydrofuran	0.338	0.352	0.318	0.360	0.339	0.337	0.341	4.17
30)	C	Chloroform	1.214	1.287	1.173	1.285	1.244	1.199	1.234	3.79#
31)	T	Cyclohexane	1.060	1.384	0.930	1.068	0.996	0.968	1.068	15.32
32)	T	1,1,1-Trichlor...	1.052	1.112	0.988	1.069	1.054	1.037	1.052	3.85
33)	S	1,2-Dichloroet...	0.721	0.881	0.741	0.784	0.771	0.770	0.778	7.13
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.311	0.365	0.325	0.332	0.343	0.344	0.337	5.45
36)	T	1,1-Dichloropr...	0.471	0.527	0.495	0.503	0.524	0.517	0.506	4.17
37)	T	Ethyl Acetate	0.564	0.513	0.561	0.597	0.592	0.572	0.566	5.32
38)	T	Carbon Tetrach...	0.492	0.512	0.487	0.510	0.519	0.523	0.507	2.87
39)	T	Methylcyclohexane	0.406	0.491	0.452	0.471	0.485	0.490	0.466	7.02
40)	TM	Benzene	1.405	1.548	1.444	1.547	1.523	1.511	1.496	3.92
41)	T	Methacrylonitrile	0.292	0.325	0.291	0.315	0.325	0.303	0.309	4.93
42)	TM	1,2-Dichloroet...	0.527	0.605	0.532	0.580	0.562	0.548	0.559	5.32
43)	T	Isopropyl Acetate	0.975	1.075	0.931	1.023	1.012	0.991	1.001	4.84
44)	TM	Trichloroethene	0.341	0.361	0.345	0.364	0.358	0.364	0.356	2.83
45)	C	1,2-Dichloropr...	0.377	0.398	0.387	0.413	0.410	0.406	0.398	3.54#
46)	T	Dibromomethane	0.261	0.297	0.259	0.281	0.269	0.273	0.273	5.12
47)	T	Bromodichlorom...	0.508	0.551	0.531	0.549	0.547	0.552	0.540	3.24
48)	T	Methyl methacr...	0.422	0.452	0.445	0.475	0.457	0.471	0.454	4.29
49)	T	1,4-Dioxane	0.007	0.008	0.008	0.008	0.008	0.008	0.008	4.82
50)	S	Toluene-d8	1.123	1.238	1.282	1.221	1.304	1.331	1.250	5.93
51)	T	4-Methyl-2-Pen...	0.565	0.584	0.578	0.612	0.611	0.613	0.594	3.51
52)	CM	Toluene	0.846	0.926	0.925	0.924	0.946	0.946	0.919	4.03#
53)	T	t-1,3-Dichloro...	0.535	0.525	0.595	0.588	0.613	0.616	0.579	6.75
54)	T	cis-1,3-Dichlo...	0.603	0.614	0.632	0.637	0.648	0.647	0.630	2.90
55)	T	1,1,2-Trichlor...	0.352	0.368	0.362	0.382	0.373	0.373	0.368	2.79
56)	T	Ethyl methacry...	0.494	0.543	0.593	0.571	0.608	0.618	0.571	8.08

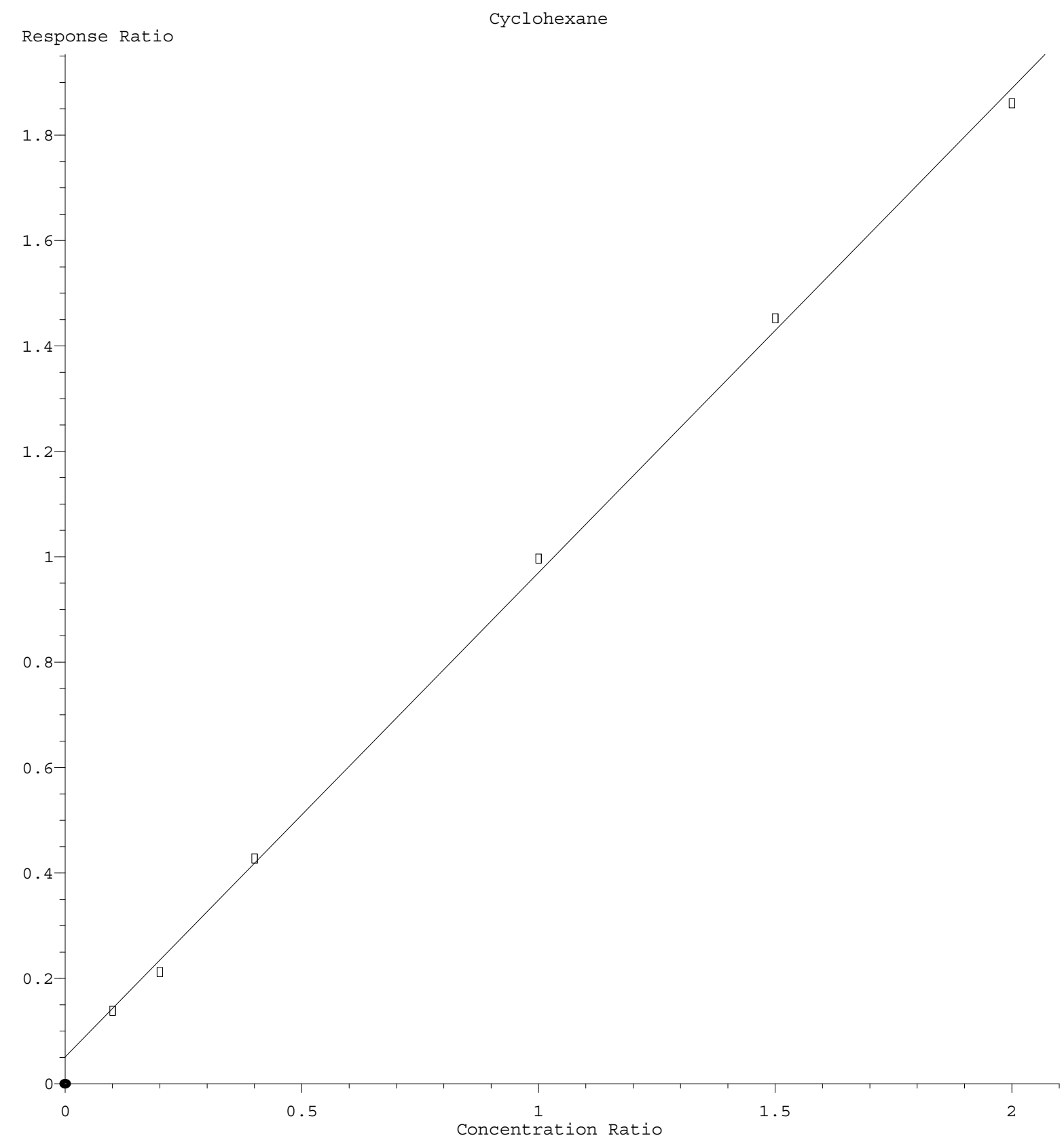
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N081523W.M

57)	T	1,3-Dichloropr...	0.628	0.679	0.645	0.667	0.662	0.672	0.659	2.87
58)	T	2-Chloroethyl ...	0.242	0.259	0.282	0.279	0.283	0.300	0.274	7.45
59)	T	2-Hexanone	0.394	0.410	0.424	0.447	0.450	0.455	0.430	5.73
60)	T	Dibromochlorom...	0.349	0.378	0.394	0.399	0.397	0.409	0.388	5.54
61)	T	1,2-Dibromoethane	0.351	0.376	0.369	0.387	0.378	0.385	0.374	3.47
62)	S	4-Bromofluorob...	0.324	0.393	0.443	0.400	0.436	0.455	0.408	11.83
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.300	0.349	0.299	0.319	0.304	0.312	0.314	5.99
65)	PM	Chlorobenzene	1.039	1.077	1.026	1.103	1.079	1.062	1.064	2.67
66)	T	1,1,1,2-Tetrac...	0.386	0.407	0.393	0.407	0.414	0.405	0.402	2.66
67)	C	Ethyl Benzene	1.785	1.941	1.926	2.008	1.957	1.996	1.935	4.14#
68)	T	m/p-Xylenes	0.664	0.688	0.731	0.758	0.748	0.754	0.724	5.39
69)	T	o-Xylene	0.643	0.684	0.710	0.714	0.739	0.734	0.704	5.07
70)	T	Styrene	1.033	1.092	1.219	1.182	1.246	1.270	1.174	7.90
71)	P	Bromoform	0.262	0.271	0.301	0.299	0.302	0.318	0.292	7.27
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.302	4.569	3.760	4.398	4.052	3.933	4.169	7.33
74)	T	N-amyl acetate	2.114	2.248	1.932	2.176	2.084	2.072	2.104	5.09
75)	P	1,1,2,2-Tetrac...	1.649	1.750	1.267	1.639	1.396	1.331	1.505	13.19
76)	T	1,2,3-Trichlor...	1.370	1.340	1.022	1.270	1.130	1.096	1.205	11.77
77)	T	Bromobenzene	1.028	1.131	0.899	1.042	0.974	0.938	1.002	8.30
78)	T	n-propylbenzene	4.827	4.986	4.499	5.196	4.829	4.670	4.834	5.02
79)	T	2-Chlorotoluene	3.083	3.304	2.683	3.280	2.862	2.781	2.999	8.76
80)	T	1,3,5-Trimethy...	3.329	3.481	3.042	3.573	3.255	3.143	3.304	6.08
81)	T	trans-1,4-Dich...	0.483	0.488	0.430	0.497	0.475	0.457	0.472	5.19
82)	T	4-Chlorotoluene	2.877	3.135	2.746	3.129	2.924	2.795	2.934	5.63
83)	T	tert-Butylbenzene	2.921	2.810	2.452	2.949	2.784	2.740	2.776	6.42
84)	T	1,2,4-Trimethy...	3.262	3.313	3.091	3.524	3.280	3.158	3.271	4.56
85)	T	sec-Butylbenzene	3.979	4.000	3.451	4.052	3.761	3.678	3.820	6.09
86)	T	p-Isopropyltol...	2.946	3.015	2.875	3.342	3.086	3.049	3.052	5.26
87)	T	1,3-Dichlorobe...	1.723	1.743	1.627	1.838	1.733	1.682	1.724	4.07
88)	T	1,4-Dichlorobe...	1.725	1.771	1.623	1.847	1.702	1.688	1.726	4.43
89)	T	n-Butylbenzene	2.374	2.374	2.453	2.665	2.608	2.596	2.512	5.07
90)	T	Hexachloroethane	0.640	0.701	0.533	0.656	0.566	0.576	0.612	10.40
91)	T	1,2-Dichlorobe...	1.687	1.871	1.573	1.835	1.670	1.653	1.715	6.67
92)	T	1,2-Dibromo-3-...	0.310	0.367	0.229	0.286	0.261	0.253	0.284	17.25
93)	T	1,2,4-Trichlor...	0.530	0.507	0.653	0.633	0.640	0.684	0.608	11.83
94)	T	Hexachlorobuta...	0.349	0.403	0.262	0.355	0.306	0.298	0.329	15.24
95)	T	Naphthalene	1.758	1.491	2.356	2.077	2.254	2.389	2.054	17.53
96)	T	1,2,3-Trichlor...	0.656	0.544	0.680	0.725	0.683	0.706	0.666	9.64

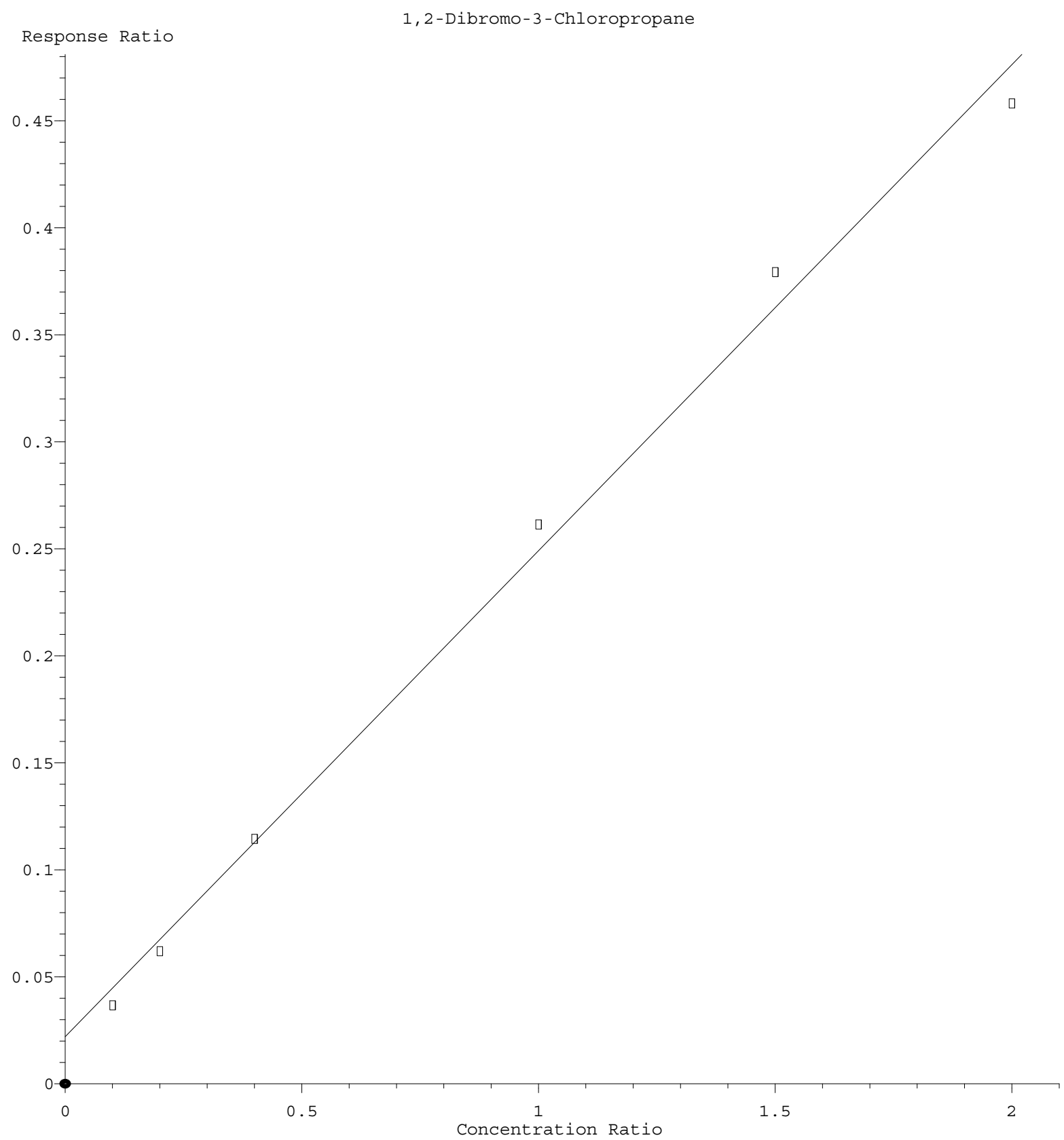
(#) = Out of Range



R = -4.028e-003 A*A + 9.302e-002 A - 1.269e-002
Coef of Det (r^2) = 0.998502 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N081523W.M
Calibration Table Last Updated: Wed Aug 16 02:42:02 2023



Response = 9.190e-001 * Amt + 5.127e-002
Coef of Det (r^2) = 0.998933 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N081523W.M
Calibration Table Last Updated: Wed Aug 16 02:42:02 2023



Response = 2.273e-001 * Amt + 2.159e-002
Coef of Det (r^2) = 0.994464 Curve Fit: Linear
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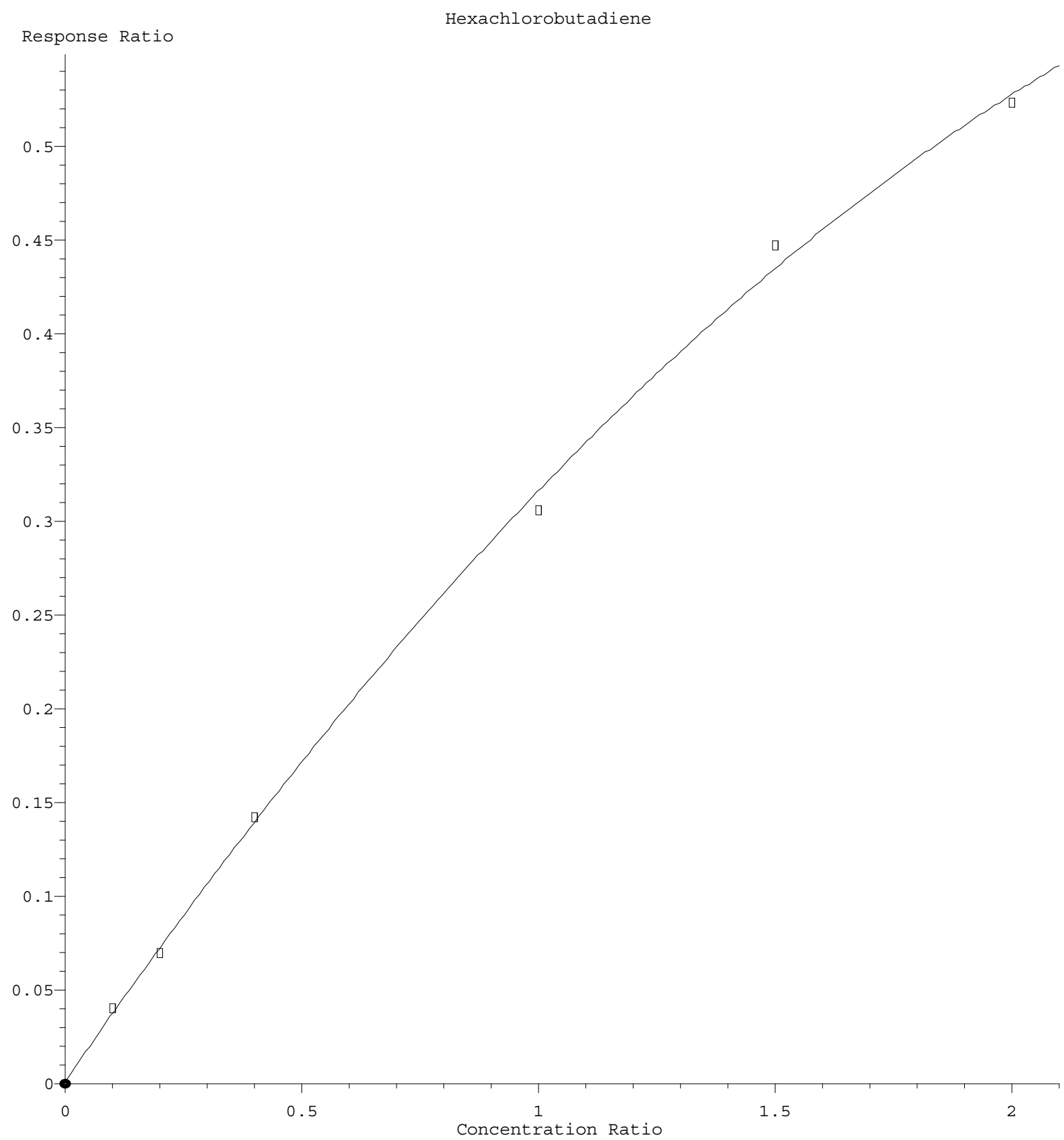
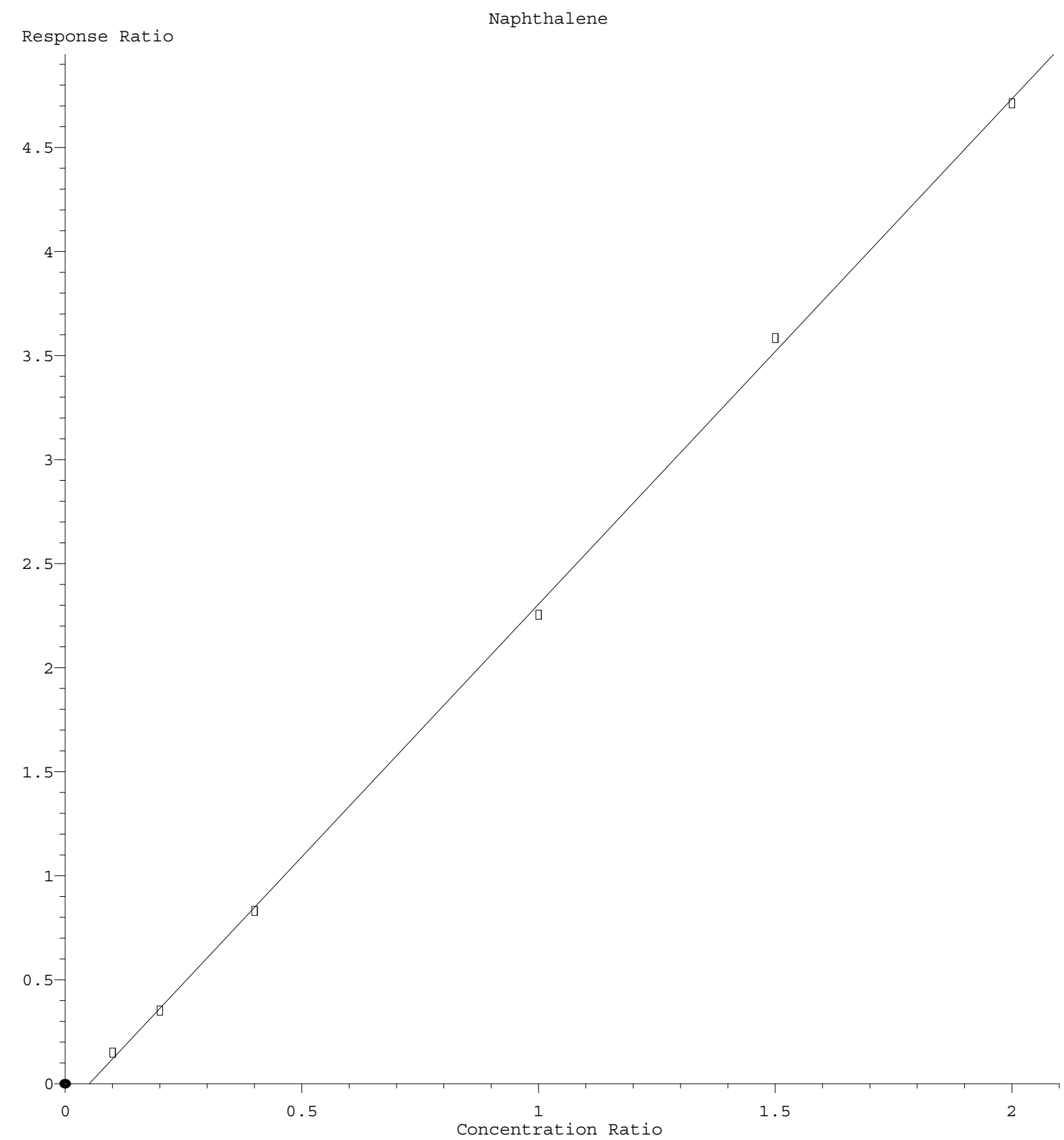
Calibration Table Last Updated: Wed Aug 16 02:42:02 2023



R = -5.168e-002 A*A + 3.665e-001 A + 1.327e-003
Coef of Det (r^2) = 0.998541 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N081523W.M
Calibration Table Last Updated: Wed Aug 16 02:42:02 2023



Response = 2.429e+000 * Amt - 1.251e-001
Coef of Det (r^2) = 0.999510 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N081523W.M
Calibration Table Last Updated: Wed Aug 16 02:42:02 2023