

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y090924S.M
 Title : SW846 8260
 Last Update : Mon Sep 09 16:00:30 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY019454.D 10 =VY019455.D 20 =VY019456.D 50 =VY019457.D 100 =VY019458.D 150 =VY019459.D

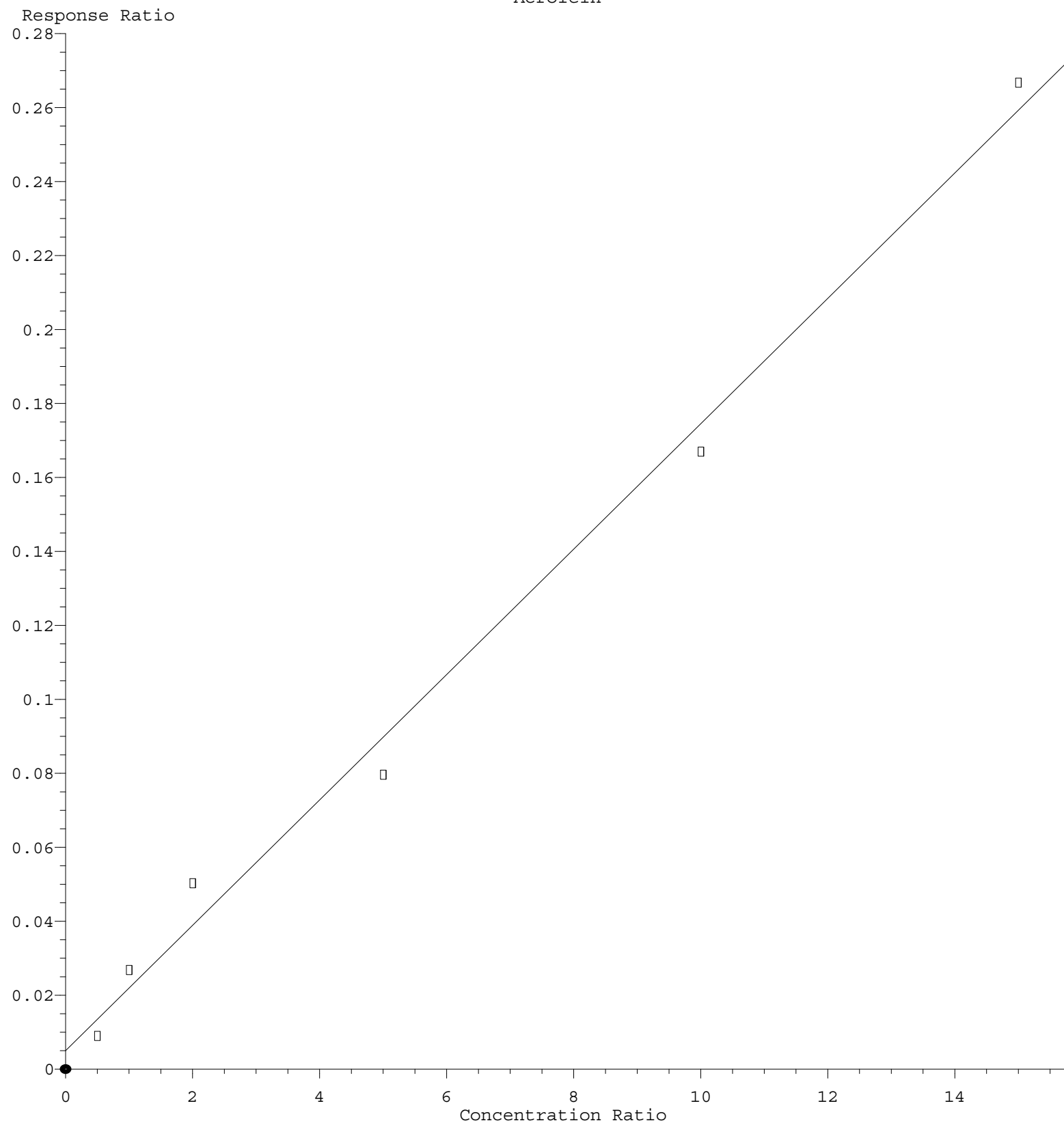
	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.375	0.371	0.373	0.265	0.248	0.264	0.316	19.83
3) P	Chloromethane	0.456	0.454	0.442	0.392	0.357	0.380	0.414	10.30
4) C	Vinyl Chloride	0.451	0.466	0.476	0.447	0.409	0.435	0.447	5.25#
5) T	Bromomethane	0.255	0.278	0.273	0.283	0.269	0.291	0.275	4.55
6) T	Chloroethane	0.300	0.303	0.299	0.297	0.270	0.286	0.292	4.27
7) T	Trichlorofluor...	0.760	0.775	0.776	0.733	0.686	0.743	0.746	4.55
8) T	Diethyl Ether	0.229	0.257	0.253	0.264	0.242	0.258	0.250	5.16
9) T	1,1,2-Trichlor...	0.477	0.480	0.476	0.457	0.425	0.453	0.461	4.56
10) T	Methyl Iodide	0.573	0.608	0.605	0.611	0.557	0.593	0.591	3.70
11) T	Tert butyl alc...	0.033	0.040	0.036	0.040	0.037	0.038	0.037	7.08
12) CM	1,1-Dichloroet...	0.457	0.449	0.450	0.447	0.413	0.446	0.444	3.54#
13) T	Acrolein	0.018	0.027	0.025	0.016	0.017	0.018	0.020	23.32
14) T	Allyl chloride	0.794	0.797	0.818	0.812	0.747	0.806	0.796	3.22
15) T	Acrylonitrile	0.091	0.114	0.108	0.116	0.107	0.111	0.108	8.27
16) T	Acetone	0.102	0.113	0.106	0.124	0.107	0.109	0.110	6.93
17) T	Carbon Disulfide	1.144	1.159	1.161	1.283	1.177	1.266	1.199	5.02
18) T	Methyl Acetate	0.285	0.314	0.279	0.345	0.283	0.290	0.299	8.52
19) T	Methyl tert-bu...	1.146	1.304	1.294	1.313	1.212	1.270	1.256	5.18
20) T	Methylene Chlo...	0.538	0.524	0.513	0.502	0.456	0.485	0.503	5.80
21) T	trans-1,2-Dich...	0.488	0.488	0.484	0.500	0.461	0.496	0.486	2.86
22) T	Diisopropyl ether	1.527	1.691	1.686	1.696	1.556	1.645	1.634	4.53
23) T	Vinyl Acetate	0.811	0.978	0.968	0.968	0.914	0.959	0.933	6.84
24) P	1,1-Dichloroet...	0.889	0.945	0.936	0.945	0.862	0.923	0.917	3.71
25) T	2-Butanone	0.134	0.166	0.159	0.171	0.154	0.158	0.157	8.10
26) T	2,2-Dichloropr...	0.821	0.847	0.849	0.837	0.772	0.835	0.827	3.49
27) T	cis-1,2-Dichlo...	0.568	0.592	0.602	0.613	0.564	0.605	0.591	3.40
28) T	Bromochloromet...	0.368	0.373	0.378	0.410	0.383	0.402	0.386	4.42
29) T	Tetrahydrofuran	0.081	0.102	0.094	0.103	0.094	0.097	0.095	8.37
30) C	Chloroform	0.909	0.952	0.954	0.967	0.885	0.947	0.936	3.37#
31) T	Cyclohexane	0.969	0.873	0.819	0.803	0.735	0.772	0.829	10.01
32) T	1,1,1-Trichlor...	0.825	0.868	0.851	0.853	0.789	0.847	0.839	3.33
33) S	1,2-Dichloroet...	0.420	0.462	0.466	0.485	0.465	0.480	0.463	4.98
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.264	0.291	0.287	0.290	0.279	0.288	0.283	3.73
36) T	1,1-Dichloropr...	0.383	0.398	0.391	0.394	0.363	0.386	0.386	3.23
37) T	Ethyl Acetate	0.162	0.210	0.203	0.210	0.197	0.203	0.198	9.09
38) T	Carbon Tetrach...	0.440	0.451	0.441	0.437	0.408	0.433	0.435	3.37
39) T	Methylcyclohexane	0.524	0.533	0.514	0.516	0.481	0.513	0.513	3.42
40) TM	Benzene	1.169	1.235	1.211	1.212	1.118	1.184	1.188	3.51
41) T	Methacrylonitrile	0.099	0.114	0.126	0.131	0.107	0.115	0.115	10.33
42) TM	1,2-Dichloroet...	0.297	0.336	0.325	0.330	0.307	0.324	0.320	4.69
43) T	Isopropyl Acetate	0.366	0.435	0.427	0.433	0.406	0.423	0.415	6.28
44) TM	Trichloroethene	0.301	0.309	0.315	0.312	0.288	0.307	0.306	3.14
45) C	1,2-Dichloropr...	0.287	0.301	0.299	0.294	0.273	0.289	0.290	3.52#
46) T	Dibromomethane	0.138	0.168	0.162	0.168	0.154	0.162	0.159	7.08
47) T	Bromodichlorom...	0.413	0.445	0.431	0.437	0.408	0.428	0.427	3.30
48) T	Methyl methacr...	0.170	0.207	0.197	0.212	0.192	0.200	0.196	7.55
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	8.79
50) S	Toluene-d8	0.986	1.073	1.055	1.084	1.033	1.060	1.049	3.38
51) T	4-Methyl-2-Pen...	0.181	0.225	0.214	0.222	0.203	0.209	0.209	7.68
52) CM	Toluene	0.738	0.793	0.775	0.790	0.725	0.764	0.764	3.65#
53) T	t-1,3-Dichloro...	0.366	0.424	0.416	0.426	0.393	0.417	0.407	5.76
54) T	cis-1,3-Dichlo...	0.444	0.491	0.485	0.492	0.453	0.478	0.474	4.32
55) T	1,1,2-Trichlor...	0.209	0.227	0.219	0.231	0.211	0.220	0.219	4.02
56) T	Ethyl methacry...	0.281	0.348	0.341	0.348	0.333	0.349	0.333	7.88

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57)	T	1,3-Dichloropr...	0.346	0.398	0.389	0.394	0.360	0.376	0.377	5.42
58)	T	2-Chloroethyl ...	0.135	0.158	0.156	0.160	0.159	0.161	0.155	6.46
59)	T	2-Hexanone	0.131	0.166	0.158	0.163	0.149	0.152	0.153	8.22
60)	T	Dibromochlorom...	0.260	0.302	0.297	0.304	0.281	0.296	0.290	5.80
61)	T	1,2-Dibromoethane	0.188	0.216	0.211	0.212	0.195	0.204	0.204	5.46
62)	S	4-Bromofluorob...	0.425	0.414	0.407	0.400	0.385	0.389	0.403	3.77
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.315	0.319	0.313	0.312	0.291	0.307	0.310	3.23
65)	PM	Chlorobenzene	0.961	1.026	1.010	0.995	0.925	0.983	0.984	3.68
66)	T	1,1,1,2-Tetrac...	0.343	0.355	0.349	0.345	0.317	0.335	0.341	3.96
67)	C	Ethyl Benzene	1.739	1.856	1.796	1.769	1.626	1.701	1.748	4.55#
68)	T	m/p-Xylenes	0.656	0.688	0.682	0.670	0.620	0.650	0.661	3.75
69)	T	o-Xylene	0.646	0.673	0.667	0.656	0.601	0.635	0.646	4.04
70)	T	Styrene	1.061	1.143	1.126	1.112	1.031	1.073	1.091	3.90
71)	P	Bromoform	0.173	0.207	0.196	0.205	0.189	0.198	0.195	6.28
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.732	3.822	3.698	3.613	3.336	3.563	3.627	4.66
74)	T	N-amyl acetate	0.842	1.037	0.992	1.016	0.989	1.044	0.987	7.52
75)	P	1,1,2,2-Tetrac...	0.589	0.684	0.652	0.665	0.617	0.654	0.644	5.38
76)	T	1,2,3-Trichlor...	0.362	0.531	0.508	0.522	0.474	0.416	0.469	14.31
77)	T	Bromobenzene	0.795	0.826	0.817	0.813	0.763	0.812	0.804	2.83
78)	T	n-propylbenzene	4.445	4.468	4.433	4.301	3.952	4.197	4.299	4.63
79)	T	2-Chlorotoluene	2.564	2.604	2.557	2.508	2.310	2.490	2.506	4.16
80)	T	1,3,5-Trimethy...	3.005	3.066	3.042	2.965	2.721	2.895	2.949	4.31
81)	T	trans-1,4-Dich...	0.220	0.259	0.247	0.252	0.236	0.251	0.244	5.73
82)	T	4-Chlorotoluene	2.571	2.691	2.638	2.578	2.400	2.577	2.576	3.81
83)	T	tert-Butylbenzene	2.741	2.783	2.750	2.670	2.462	2.612	2.670	4.46
84)	T	1,2,4-Trimethy...	2.973	3.068	2.985	2.929	2.696	2.861	2.919	4.41
85)	T	sec-Butylbenzene	4.056	4.032	4.001	3.870	3.556	3.754	3.878	5.02
86)	T	p-Isopropyltol...	3.248	3.293	3.299	3.177	2.921	3.099	3.173	4.57
87)	T	1,3-Dichlorobe...	1.564	1.622	1.612	1.575	1.453	1.554	1.563	3.85
88)	T	1,4-Dichlorobe...	1.554	1.596	1.594	1.565	1.452	1.548	1.551	3.39
89)	T	n-Butylbenzene	3.077	3.155	3.127	3.039	2.808	2.994	3.033	4.12
90)	T	Hexachloroethane	0.658	0.675	0.684	0.661	0.613	0.671	0.660	3.82
91)	T	1,2-Dichlorobe...	1.367	1.448	1.414	1.422	1.315	1.404	1.395	3.40
92)	T	1,2-Dibromo-3-...	0.099	0.116	0.105	0.110	0.103	0.110	0.107	5.49
93)	T	1,2,4-Trichlor...	0.810	0.837	0.858	0.874	0.817	0.894	0.848	3.89
94)	T	Hexachlorobuta...	0.474	0.465	0.460	0.447	0.422	0.452	0.453	3.98
95)	T	Naphthalene	1.491	1.684	1.679	1.790	1.696	1.855	1.699	7.28
96)	T	1,2,3-Trichlor...	0.664	0.719	0.738	0.754	0.705	0.776	0.726	5.42

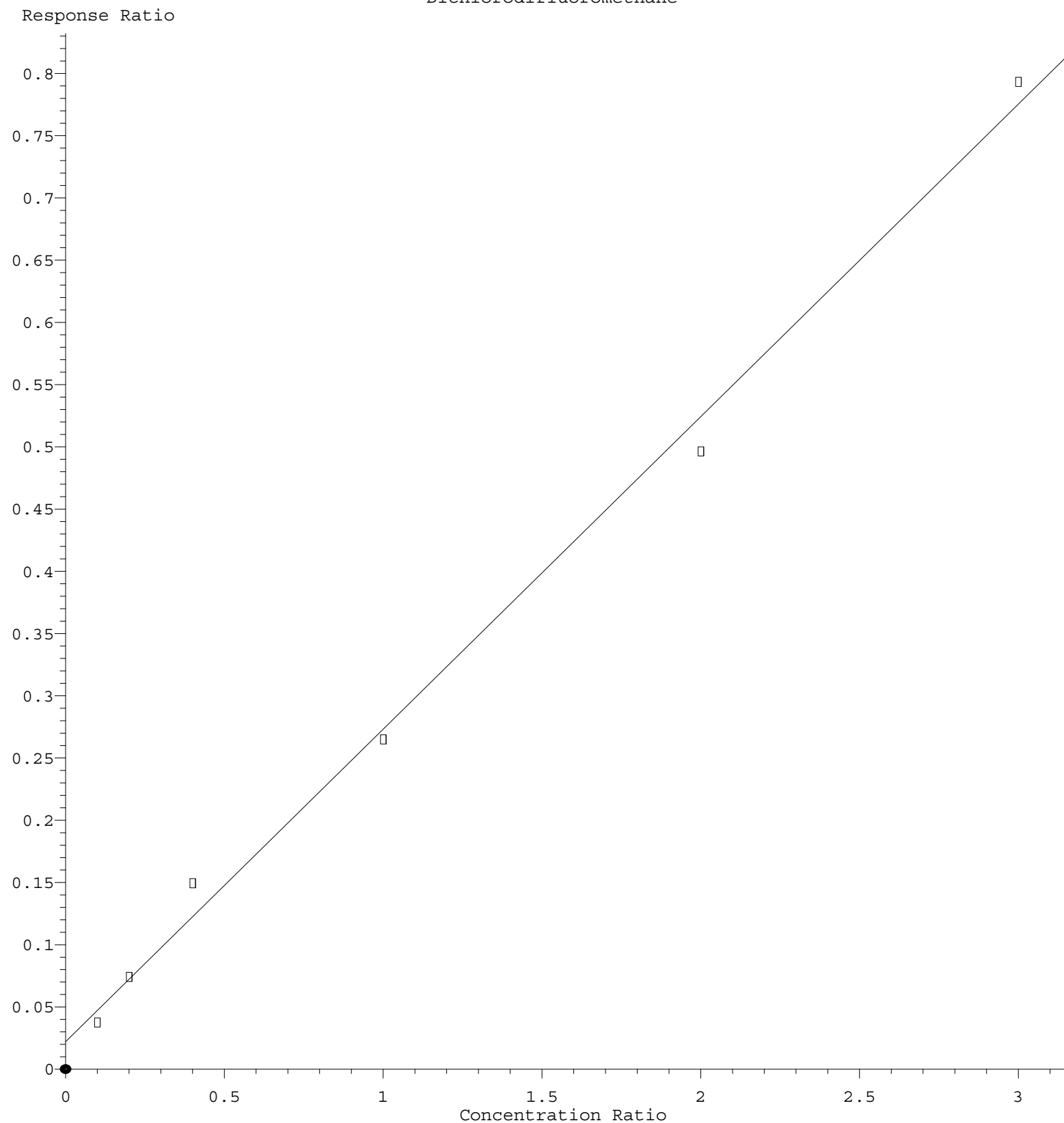
(#) = Out of Range

Acrolein



Response = $1.697 \times 10^{-2} \times \text{Amt} + 5.158 \times 10^{-3}$
 Coef of Det (r^2) = 0.992049 Curve Fit: Linear
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Dichlorodifluoromethane



Response = 2.509e-001 * Amt + 2.238e-002
 Coef of Det (r^2) = 0.995337 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y090924S.M
 Calibration Table Last Updated: Mon Sep 09 16:00:30 2024