

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y110122S.M
 Title : SW846 8260
 Last Update : Tue Nov 01 11:56:18 2022
 Response Via : Initial Calibration

Calibration Files

5 =VY011210.D 10 =VY011211.D 20 =VY011212.D 50 =VY011213.D 100 =VY011214.D 150 =VY011215.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.519	0.553	0.541	0.379	0.377	0.369	0.456	19.65
3) P	Chloromethane	0.616	0.598	0.597	0.517	0.507	0.493	0.554	9.83
4) C	Vinyl Chloride	0.671	0.661	0.653	0.586	0.583	0.563	0.619	7.61#
5) T	Bromomethane	0.477	0.442	0.418	0.390	0.384	0.368	0.413	9.96
6) T	Chloroethane	0.426	0.413	0.415	0.383	0.379	0.371	0.398	5.73
7) T	Trichlorofluor...	0.966	0.946	0.945	0.886	0.883	0.864	0.915	4.63
8) T	Diethyl Ether	0.323	0.328	0.324	0.330	0.329	0.337	0.328	1.55
9) T	1,1,2-Trichlor...	0.575	0.549	0.560	0.546	0.541	0.530	0.550	2.83
10) T	Methyl Iodide	0.634	0.681	0.715	0.738	0.753	0.727	0.708	6.18
11) T	Tert butyl alc...	0.161	0.066	0.083	0.057	0.054	0.062	0.081	50.24
12) CM	1,1-Dichloroet...	0.558	0.544	0.544	0.538	0.544	0.536	0.544	1.40#
13) T	Acrolein	0.040	0.039	0.039	0.027	0.026	0.028	0.033	20.83
14) T	Allyl chloride	0.814	0.802	0.818	0.838	0.842	0.828	0.824	1.88
15) T	Acrylonitrile	0.167	0.159	0.163	0.168	0.161	0.169	0.165	2.59
16) T	Acetone	0.156	0.140	0.139	0.196	0.174	0.163	0.161	13.53
17) T	Carbon Disulfide	1.875	1.809	1.812	1.769	1.753	1.700	1.786	3.35
18) T	Methyl Acetate	0.482	0.433	0.441	0.407	0.391	0.410	0.427	7.62
19) T	Methyl tert-bu...	1.372	1.380	1.411	1.508	1.478	1.523	1.445	4.58
20) T	Methylene Chlo...	1.301	0.870	0.761	0.670	0.626	0.616	0.807	32.21
21) T	trans-1,2-Dich...	0.628	0.611	0.626	0.627	0.618	0.601	0.619	1.71
22) T	Diisopropyl ether	1.637	1.693	1.761	1.778	1.713	1.668	1.708	3.17
23) T	Vinyl Acetate	0.944	0.990	1.030	1.120	1.082	1.090	1.043	6.41
24) P	1,1-Dichloroet...	1.098	1.061	1.091	1.078	1.055	1.035	1.070	2.22
25) T	2-Butanone	0.233	0.213	0.210	0.248	0.228	0.231	0.227	6.15
26) T	2,2-Dichloropr...	1.116	0.990	0.957	0.953	0.939	0.914	0.978	7.33
27) T	cis-1,2-Dichlo...	0.672	0.670	0.686	0.693	0.691	0.679	0.682	1.40
28) T	Bromochloromet...	0.421	0.395	0.401	0.436	0.407	0.405	0.411	3.64
29) T	Tetrahydrofuran	0.131	0.124	0.130	0.140	0.131	0.139	0.132	4.49
30) C	Chloroform	1.118	1.082	1.095	1.083	1.065	1.038	1.080	2.49#
31) T	Cyclohexane	1.097	0.985	0.962	0.983	0.972	0.948	0.991	5.43
32) T	1,1,1-Trichlor...	0.962	0.968	0.957	0.965	0.960	0.937	0.958	1.17
33) S	1,2-Dichloroet...	0.590	0.570	0.534	0.519	0.499	0.496	0.535	7.12
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.333	0.322	0.330	0.319	0.314	0.309	0.321	2.95
36) T	1,1-Dichloropr...	0.521	0.506	0.536	0.532	0.533	0.520	0.525	2.15
37) T	Ethyl Acetate	0.297	0.282	0.275	0.284	0.272	0.287	0.283	3.16
38) T	Carbon Tetrach...	0.553	0.534	0.543	0.549	0.550	0.537	0.544	1.40
39) T	Methylcyclohexane	0.579	0.596	0.643	0.667	0.680	0.664	0.638	6.49
40) TM	Benzene	1.552	1.540	1.557	1.553	1.542	1.507	1.542	1.18
41) T	Methacrylonitrile	0.142	0.135	0.152	0.165	0.160	0.169	0.154	8.80
42) TM	1,2-Dichloroet...	0.423	0.418	0.418	0.425	0.413	0.415	0.419	1.15
43) T	Isopropyl Acetate	0.481	0.482	0.480	0.518	0.499	0.530	0.498	4.30
44) TM	Trichloroethene	0.403	0.409	0.415	0.415	0.421	0.413	0.413	1.45
45) C	1,2-Dichloropr...	0.375	0.380	0.385	0.390	0.382	0.375	0.381	1.49#
46) T	Dibromomethane	0.215	0.213	0.216	0.220	0.214	0.216	0.215	1.12
47) T	Bromodichlorom...	0.496	0.500	0.517	0.520	0.517	0.513	0.511	1.93
48) T	Methyl methacr...	0.208	0.213	0.221	0.244	0.238	0.249	0.229	7.43
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	9.85
50) S	Toluene-d8	1.299	1.270	1.301	1.229	1.214	1.171	1.247	4.15
51) T	4-Methyl-2-Pen...	0.255	0.262	0.265	0.288	0.272	0.284	0.271	4.83
52) CM	Toluene	0.919	0.936	0.963	0.989	0.979	0.949	0.956	2.75#
53) T	t-1,3-Dichloro...	0.507	0.516	0.533	0.559	0.554	0.557	0.538	4.16
54) T	cis-1,3-Dichlo...	0.581	0.598	0.611	0.635	0.635	0.631	0.615	3.68
55) T	1,1,2-Trichlor...	0.309	0.310	0.310	0.316	0.304	0.303	0.309	1.46
56) T	Ethyl methacry...	0.345	0.373	0.396	0.441	0.440	0.451	0.408	10.54

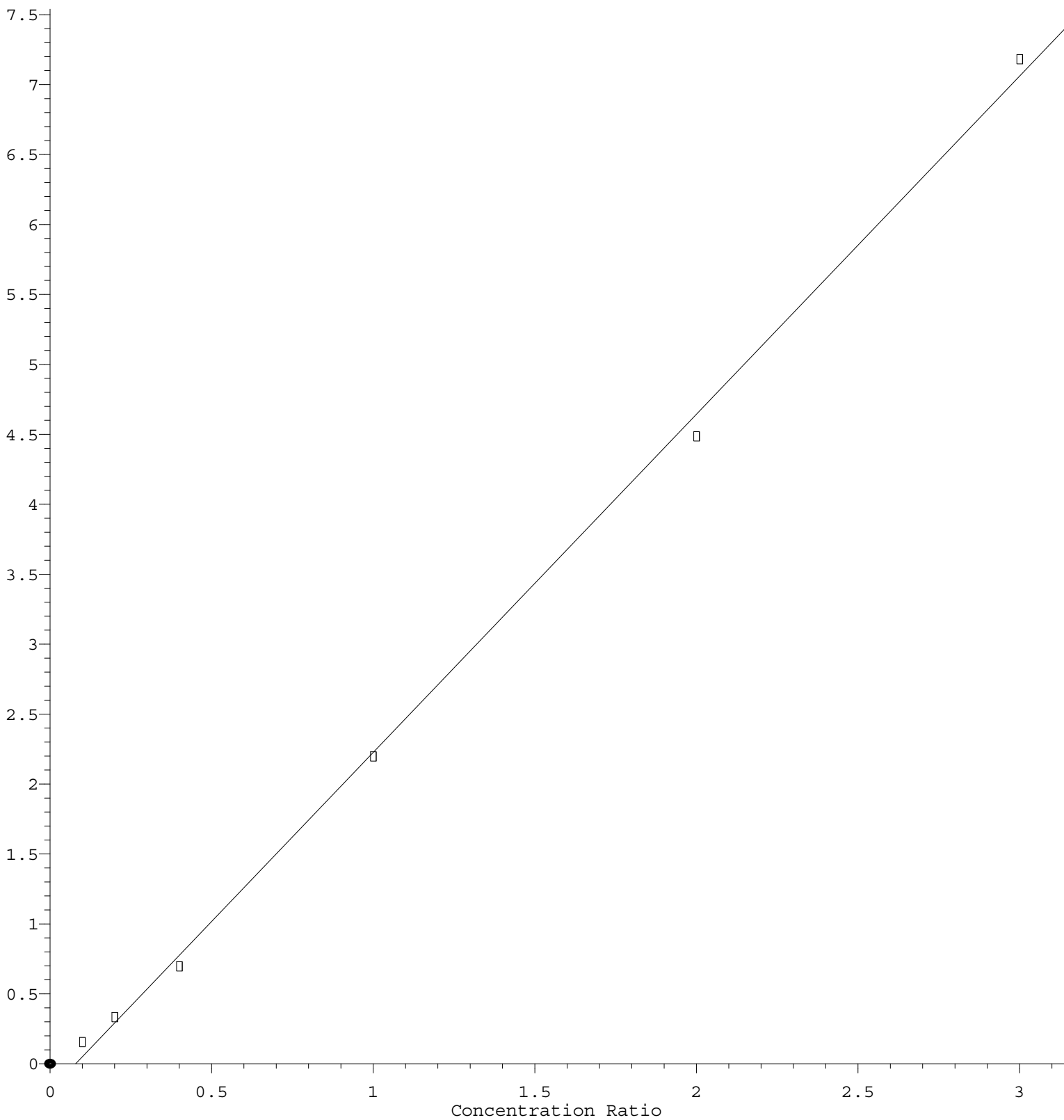
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y110122S.M

57)	T	1,3-Dichloropr...	0.524	0.515	0.528	0.543	0.529	0.531	0.528	1.71
58)	T	2-Chloroethyl ...	0.170	0.179	0.191	0.200	0.200	0.206	0.191	7.33
59)	T	2-Hexanone	0.169	0.177	0.183	0.221	0.204	0.207	0.193	10.44
60)	T	Dibromochlorom...	0.360	0.364	0.363	0.377	0.369	0.367	0.367	1.66
61)	T	1,2-Dibromoethane	0.281	0.291	0.292	0.302	0.293	0.299	0.293	2.47
62)	S	4-Bromofluorob...	0.439	0.427	0.438	0.439	0.434	0.421	0.433	1.67
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.414	0.415	0.421	0.443	0.437	0.419	0.425	2.81
65)	PM	Chlorobenzene	1.079	1.069	1.109	1.135	1.123	1.103	1.103	2.29
66)	T	1,1,1,2-Tetrac...	0.401	0.406	0.399	0.416	0.412	0.403	0.406	1.59
67)	C	Ethyl Benzene	1.832	1.863	1.946	2.037	2.059	2.002	1.957	4.76#
68)	T	m/p-Xylenes	0.703	0.726	0.769	0.796	0.793	0.771	0.760	4.91
69)	T	o-Xylene	0.654	0.664	0.711	0.751	0.753	0.739	0.712	6.16
70)	T	Styrene	1.081	1.125	1.218	1.292	1.280	1.247	1.207	7.12
71)	P	Bromoform	0.248	0.249	0.246	0.260	0.253	0.259	0.252	2.35
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.348	3.497	3.714	3.923	4.025	3.922	3.738	7.18
74)	T	N-amyl acetate	0.825	0.851	0.900	1.011	1.002	1.042	0.938	9.78
75)	P	1,1,2,2-Tetrac...	0.776	0.765	0.767	0.776	0.769	0.789	0.774	1.12
76)	T	1,2,3-Trichlor...	0.676	0.657	0.648	0.562	0.548	0.562	0.609	9.43
77)	T	Bromobenzene	0.838	0.839	0.872	0.894	0.919	0.914	0.879	4.07
78)	T	n-propylbenzene	4.166	4.290	4.611	4.802	4.863	4.714	4.574	6.21
79)	T	2-Chlorotoluene	2.470	2.503	2.626	2.685	2.751	2.690	2.621	4.27
80)	T	1,3,5-Trimethy...	2.885	2.966	3.189	3.321	3.358	3.261	3.163	6.15
81)	T	trans-1,4-Dich...	0.273	0.269	0.274	0.296	0.291	0.303	0.284	5.00
82)	T	4-Chlorotoluene	2.546	2.605	2.713	2.764	2.823	2.755	2.701	3.89
83)	T	tert-Butylbenzene	2.468	2.506	2.719	2.857	2.938	2.866	2.726	7.28
84)	T	1,2,4-Trimethy...	2.775	2.930	3.187	3.299	3.344	3.236	3.129	7.22
85)	T	sec-Butylbenzene	3.682	3.785	4.099	4.256	4.288	4.138	4.041	6.20
86)	T	p-Isopropyltol...	3.017	3.102	3.393	3.562	3.621	3.516	3.368	7.48
87)	T	1,3-Dichlorobe...	1.726	1.697	1.759	1.803	1.815	1.779	1.763	2.58
88)	T	1,4-Dichlorobe...	1.758	1.729	1.768	1.811	1.789	1.757	1.768	1.60
89)	T	n-Butylbenzene	2.832	2.882	3.151	3.345	3.393	3.269	3.145	7.58
90)	T	Hexachloroethane	0.675	0.649	0.667	0.688	0.690	0.673	0.674	2.23
91)	T	1,2-Dichlorobe...	1.535	1.530	1.567	1.626	1.605	1.587	1.575	2.43
92)	T	1,2-Dibromo-3-...	0.137	0.128	0.121	0.135	0.132	0.142	0.133	5.53
93)	T	1,2,4-Trichlor...	0.817	0.862	0.904	1.020	1.048	1.061	0.952	10.95
94)	T	Hexachlorobuta...	0.544	0.519	0.545	0.580	0.573	0.565	0.554	4.10
95)	T	Naphthalene	1.551	1.666	1.740	2.197	2.242	2.394	1.965	18.01
96)	T	1,2,3-Trichlor...	0.737	0.754	0.778	0.900	0.910	0.939	0.837	10.68

(#) = Out of Range

Naphthalene

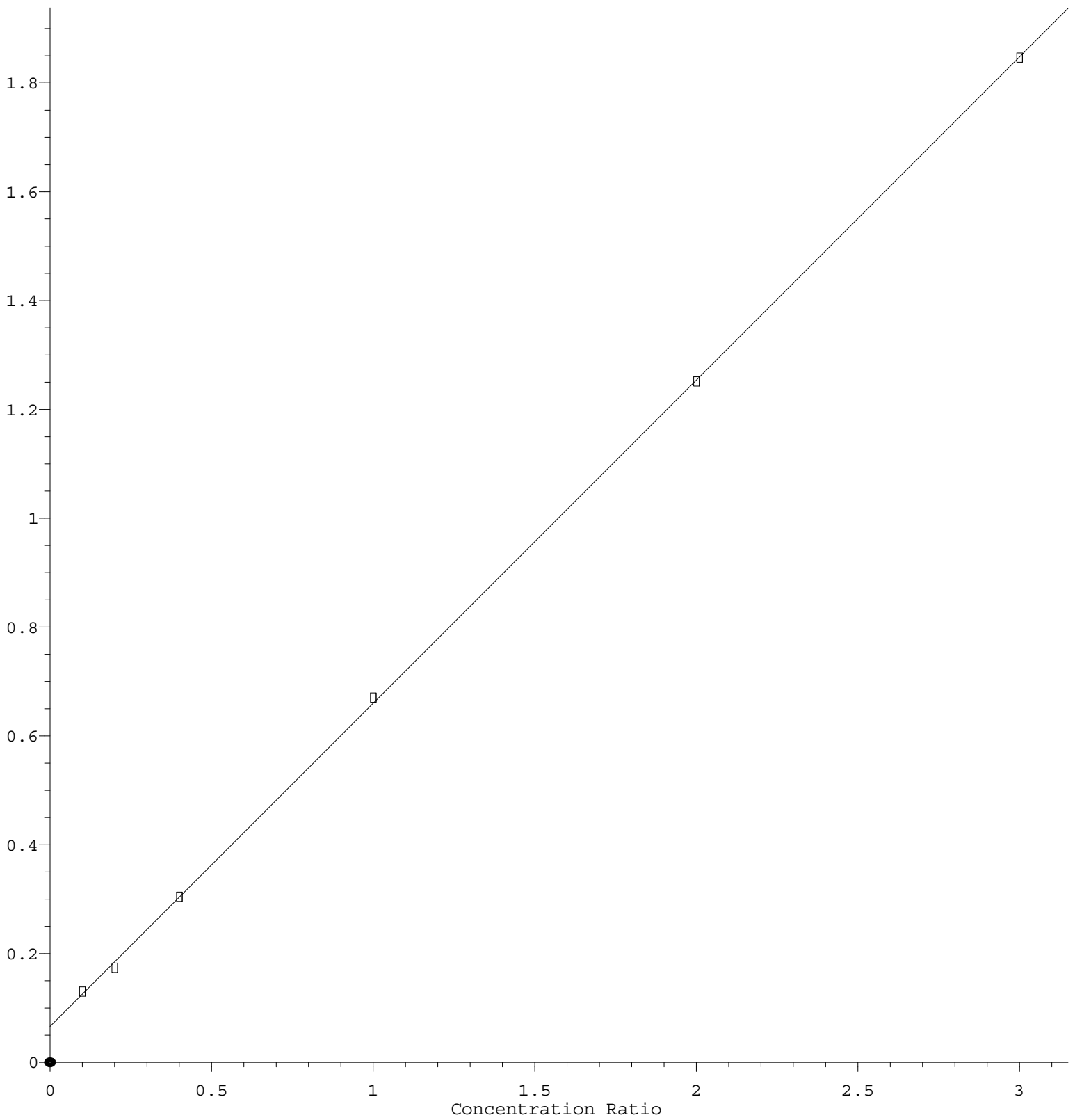
Response Ratio



$\text{Response} = 2.418\text{e}+000 * \text{Amt} - 1.919\text{e}-001$
 Coef of Det (r^2) = 0.998495 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y110122S.M
 Calibration Table Last Updated: Tue Nov 01 11:56:18 2022

Methylene Chloride

Response Ratio



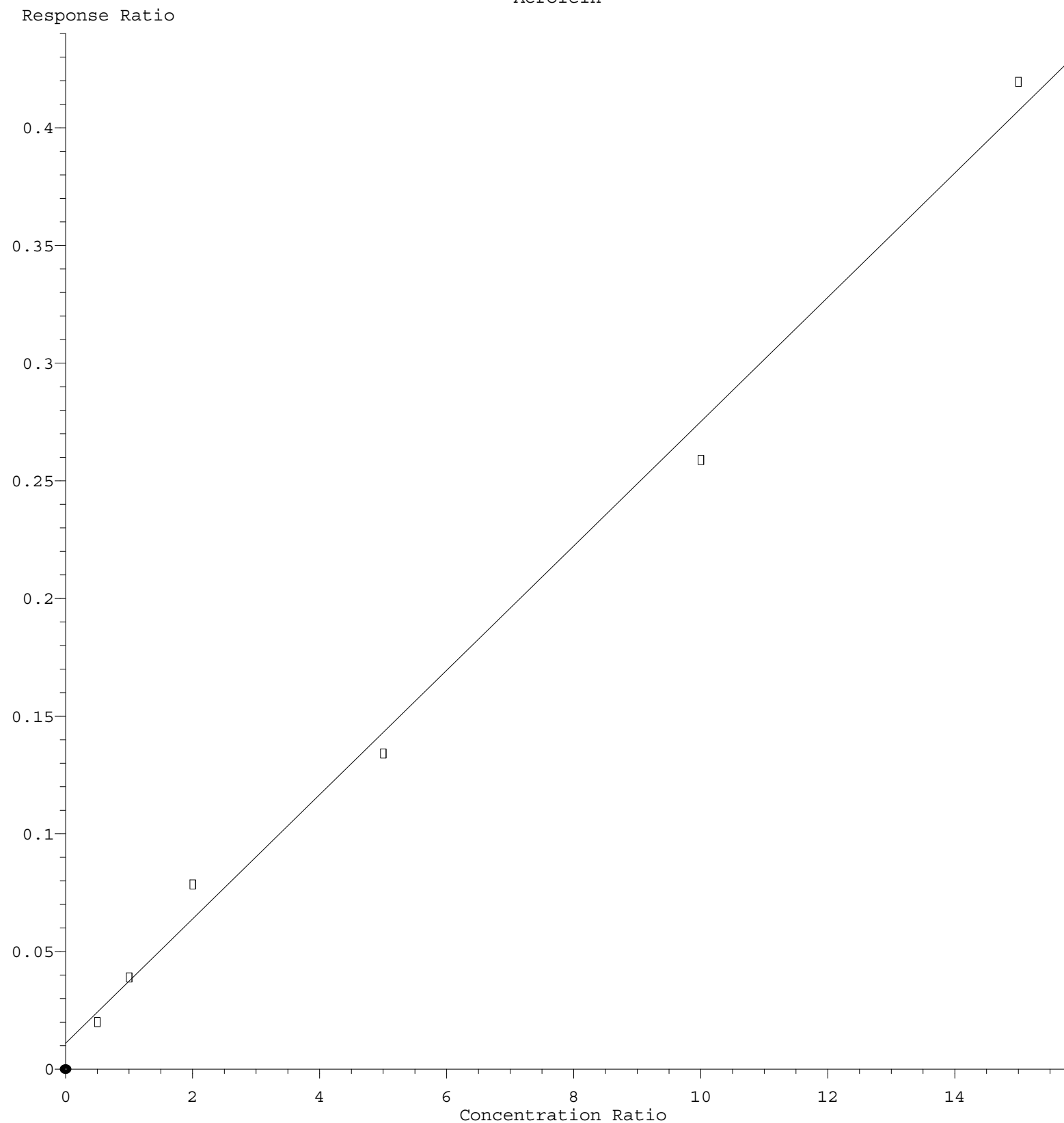
$$\text{Response} = 5.938\text{e-}001 * \text{Amt} + 6.639\text{e-}002$$

Coef of Det (r^2) = 0.999893 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y110122S.M

Calibration Table Last Updated: Tue Nov 01 11:56:18 2022

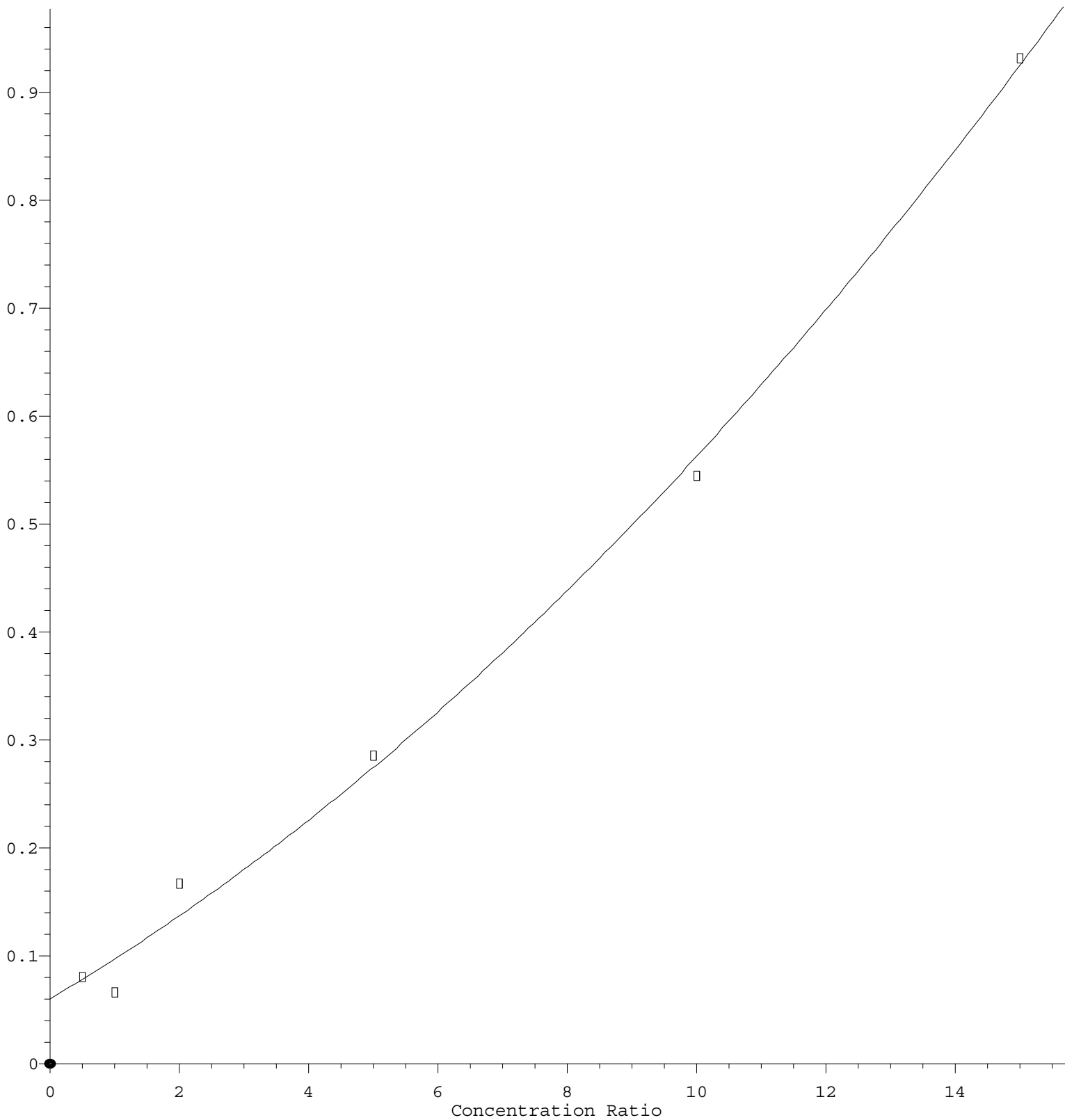
Acrolein



Response = $2.647 \times 10^{-2} \times \text{Amt} + 1.051 \times 10^{-2}$
 Coef of Det (r^2) = 0.993841 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y110122S.M
 Calibration Table Last Updated: Tue Nov 01 11:56:18 2022

Tert butyl alcohol

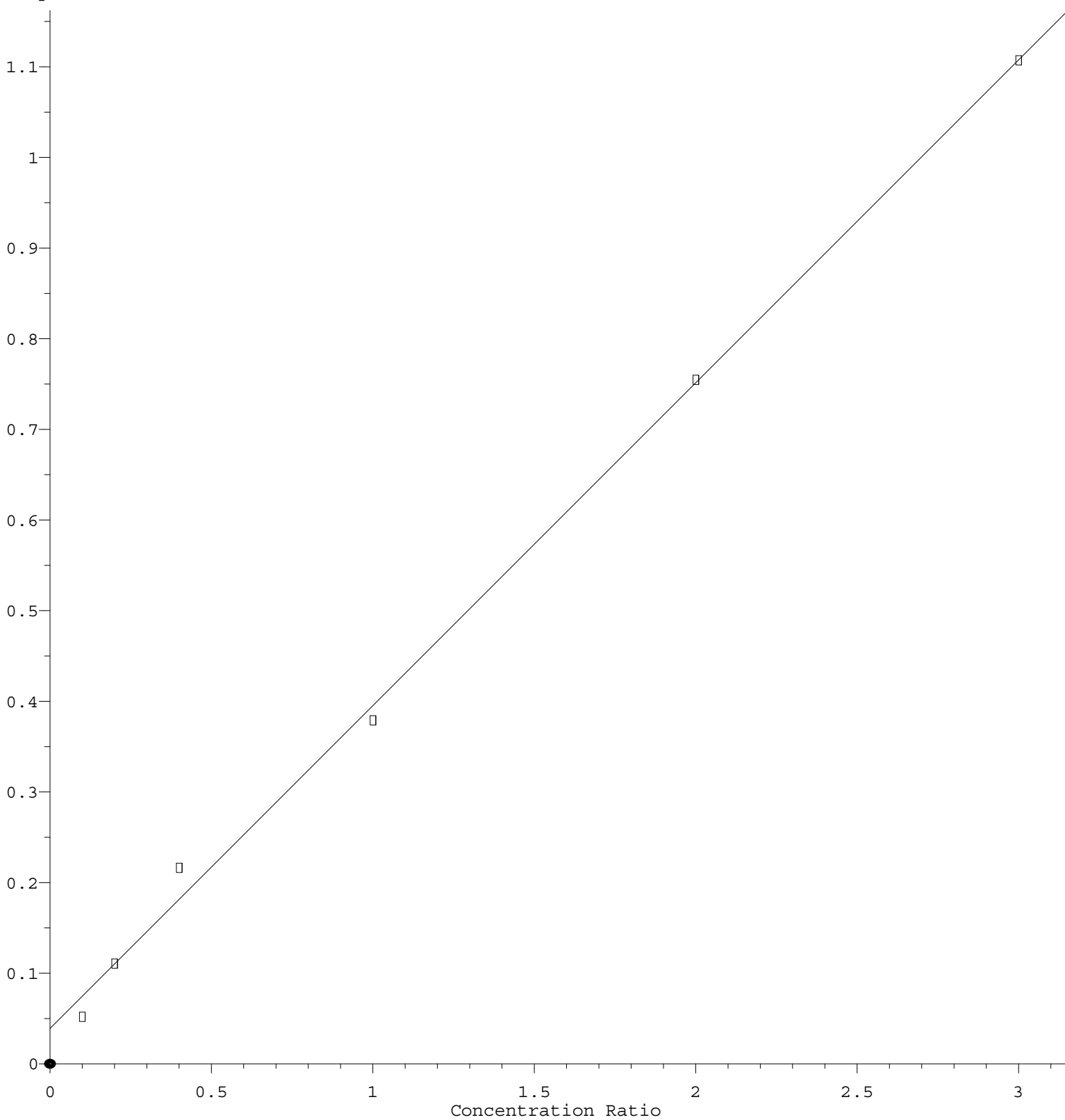
Response Ratio



$R = 1.481e-003 A^2 + 3.544e-002 A + 6.025e-002$
 Coef of Det (r^2) = 0.995865 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y110122S.M
 Calibration Table Last Updated: Tue Nov 01 11:56:18 2022

Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 3.564\text{e-}001 * \text{Amt} + 3.854\text{e-}002$$

Coef of Det (r^2) = 0.997672 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y110122S.M

Calibration Table Last Updated: Tue Nov 01 11:56:18 2022