

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D010824S.M
 Title : SW846 8260
 Last Update : Tue Jan 09 01:29:14 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD078134.D 10 =VD078128.D 20 =VD078129.D 50 =VD078130.D 100 =VD078131.D 150 =VD078132.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.562	0.527	0.523	0.424	0.378	0.383	0.466	17.31
3) P	Chloromethane	0.678	0.723	0.707	0.609	0.557	0.541	0.636	12.28
4) C	Vinyl Chloride	0.873	1.003	0.984	0.892	0.814	0.798	0.894	9.49#
5) T	Bromomethane	0.791	0.711	0.714	0.638	0.628	0.635	0.686	9.33
6) T	Chloroethane	0.614	0.749	0.718	0.654	0.631	0.618	0.664	8.49
7) T	Trichlorofluor...	1.047	1.072	1.089	0.920	0.887	0.880	0.982	9.88
8) T	Diethyl Ether	0.302	0.269	0.251	0.241	0.249	0.232	0.258	9.80
9) T	1,1,2-Trichlor...	0.609	0.629	0.643	0.565	0.532	0.527	0.584	8.55
10) T	Methyl Iodide	0.369	0.473	0.542	0.568	0.566	0.562	0.513	15.44
11) T	Tert butyl alc...	0.030	0.031	0.027	0.025	0.026	0.023	0.027	11.55
12) CM	1,1-Dichloroet...	0.542	0.479	0.505	0.498	0.466	0.477	0.494	5.55#
13) T	Acrolein	0.044	0.052	0.053	0.039	0.041	0.037	0.044	15.27
14) T	Allyl chloride	0.681	0.713	0.642	0.638	0.669	0.621	0.661	5.11
15) T	Acrylonitrile	0.118	0.127	0.124	0.122	0.123	0.110	0.121	4.72
16) T	Acetone	0.187	0.173	0.168	0.110	0.111	0.102	0.142	26.82
17) T	Carbon Disulfide	1.044	1.161	1.190	1.110	1.062	1.046	1.102	5.63
18) T	Methyl Acetate	0.461	0.451	0.434	0.497	0.522	0.478	0.474	6.76
19) T	Methyl tert-bu...	1.178	1.185	1.185	1.191	1.218	1.192	1.191	1.16
20) T	Methylene Chlo...	1.201	1.003	0.812	0.642	0.574	0.555	0.798	32.59
21) T	trans-1,2-Dich...	0.528	0.592	0.590	0.563	0.559	0.546	0.563	4.44
22) T	Diisopropyl ether	1.401	1.626	1.638	1.576	1.567	1.512	1.553	5.63
23) T	Vinyl Acetate	0.674	0.748	0.780	0.694	0.606	0.685	0.698	8.72
24) P	1,1-Dichloroet...	1.113	1.191	1.128	1.041	1.025	1.004	1.084	6.66
25) T	2-Butanone	0.177	0.178	0.183	0.143	0.155	0.139	0.163	11.94
26) T	2,2-Dichloropr...	0.959	0.989	1.025	0.954	0.943	0.946	0.969	3.28
27) T	cis-1,2-Dichlo...	0.677	0.697	0.742	0.691	0.670	0.674	0.692	3.87
28) T	Bromochloromet...	0.376	0.357	0.391	0.423	0.410	0.401	0.393	6.05
29) T	Tetrahydrofuran	0.090	0.084	0.088	0.084	0.087	0.078	0.085	4.81
30) C	Chloroform	1.202	1.235	1.239	1.159	1.135	1.078	1.175	5.35#
31) T	Cyclohexane	0.928	0.877	0.804	0.739	0.716	0.714	0.796	11.30
32) T	1,1,1-Trichlor...	0.946	1.073	1.080	1.010	0.992	0.995	1.016	5.09
33) S	1,2-Dichloroet...	0.577	0.581	0.549	0.496	0.481	0.475	0.526	9.13
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.384	0.405	0.373	0.327	0.344	0.329	0.360	8.82
36) T	1,1-Dichloropr...	0.439	0.497	0.503	0.487	0.506	0.488	0.487	5.01
37) T	Ethyl Acetate	0.209	0.205	0.217	0.179	0.169	0.169	0.191	11.18
38) T	Carbon Tetrach...	0.538	0.589	0.575	0.552	0.563	0.545	0.560	3.44
39) T	Methylcyclohexane	0.504	0.545	0.538	0.528	0.546	0.551	0.535	3.21
40) TM	Benzene	1.334	1.494	1.511	1.441	1.491	1.442	1.452	4.45
41) T	Methacrylonitrile	0.087	0.127	0.116	0.110	0.124	0.111	0.112	12.57
42) TM	1,2-Dichloroet...	0.394	0.448	0.419	0.399	0.413	0.380	0.409	5.78
43) T	Isopropyl Acetate	0.346	0.383	0.391	0.356	0.386	0.354	0.369	5.22
44) TM	Trichloroethene	0.377	0.414	0.392	0.392	0.395	0.385	0.393	3.17
45) C	1,2-Dichloropr...	0.351	0.391	0.389	0.375	0.379	0.363	0.375	4.05#
46) T	Dibromomethane	0.177	0.222	0.228	0.204	0.212	0.200	0.207	8.83
47) T	Bromodichlorom...	0.492	0.584	0.597	0.544	0.560	0.528	0.551	6.94
48) T	Methyl methacr...	0.189	0.231	0.192	0.199	0.210	0.204	0.204	7.44
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	4.46
50) S	Toluene-d8	1.203	1.242	1.218	1.160	1.218	1.210	1.209	2.25
51) T	4-Methyl-2-Pen...	0.174	0.189	0.197	0.186	0.210	0.191	0.191	6.26
52) CM	Toluene	0.816	0.875	0.938	0.915	0.988	0.970	0.917	6.94#
53) T	t-1,3-Dichloro...	0.449	0.489	0.500	0.477	0.518	0.501	0.489	4.87
54) T	cis-1,3-Dichlo...	0.472	0.561	0.581	0.573	0.594	0.566	0.558	7.85
55) T	1,1,2-Trichlor...	0.290	0.284	0.311	0.283	0.298	0.278	0.291	4.17
56) T	Ethyl methacry...	0.207	0.228	0.218	0.221	0.253	0.232	0.227	6.97

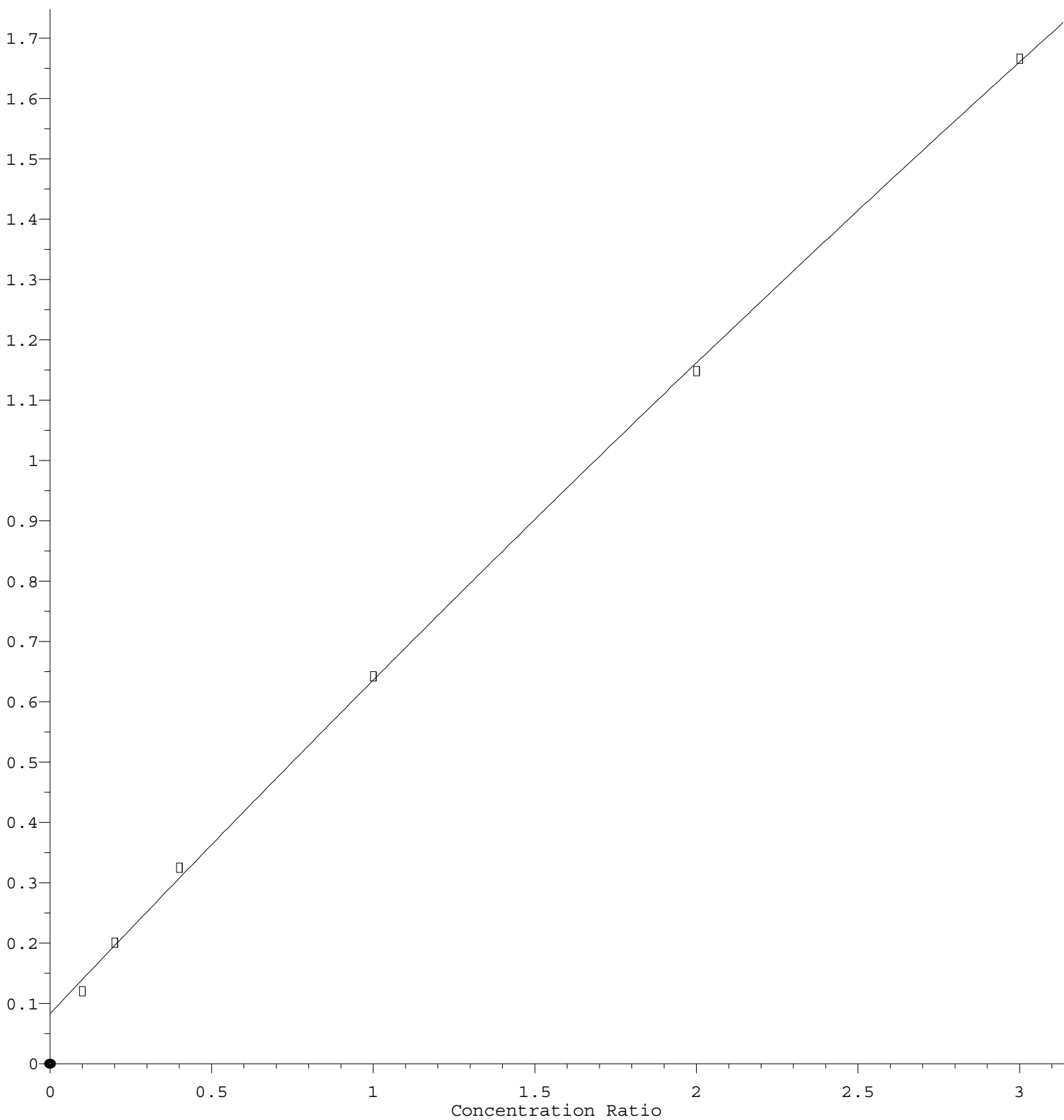
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D010824S.M

57)	T	1,3-Dichloropr...	0.440	0.484	0.488	0.463	0.497	0.457	0.472	4.64
58)	T	2-Chloroethyl ...	0.090	0.092	0.095	0.108	0.123	0.112	0.103	12.86
59)	T	2-Hexanone	0.133	0.148	0.161	0.134	0.150	0.137	0.144	7.55
60)	T	Dibromochlorom...	0.335	0.395	0.382	0.359	0.378	0.355	0.367	5.91
61)	T	1,2-Dibromoethane	0.266	0.272	0.277	0.257	0.276	0.257	0.268	3.32
62)	S	4-Bromofluorob...	0.469	0.472	0.429	0.368	0.396	0.390	0.421	10.30
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.369	0.331	0.342	0.337	0.329	0.324	0.339	4.76
65)	PM	Chlorobenzene	1.190	1.175	1.165	1.111	1.151	1.111	1.150	2.87
66)	T	1,1,1,2-Tetrac...	0.427	0.453	0.448	0.448	0.453	0.453	0.447	2.27
67)	C	Ethyl Benzene	1.789	1.933	2.012	2.055	2.153	2.179	2.020	7.18#
68)	T	m/p-Xylenes	0.697	0.732	0.774	0.797	0.834	0.839	0.779	7.22
69)	T	o-Xylene	0.654	0.676	0.704	0.748	0.771	0.774	0.721	7.07
70)	T	Styrene	0.919	1.016	1.100	1.133	1.209	1.200	1.096	10.20
71)	P	Bromoform	0.219	0.221	0.224	0.234	0.236	0.221	0.226	3.14
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.673	3.815	4.250	3.920	4.117	4.078	3.976	5.35
74)	T	N-amyl acetate	0.732	0.740	0.766	0.678	0.739	0.709	0.727	4.16
75)	P	1,1,2,2-Tetrac...	0.777	0.805	0.813	0.688	0.732	0.674	0.748	7.95
76)	T	1,2,3-Trichlor...	0.448	0.515	0.553	0.475	0.497	0.466	0.492	7.68
77)	T	Bromobenzene	0.967	0.913	0.965	0.860	0.904	0.870	0.913	4.97
78)	T	n-propylbenzene	4.457	4.815	5.056	4.733	4.949	4.903	4.819	4.33
79)	T	2-Chlorotoluene	2.370	2.607	2.693	2.516	2.624	2.573	2.564	4.34
80)	T	1,3,5-Trimethy...	2.969	3.190	3.526	3.273	3.454	3.384	3.299	6.12
81)	T	trans-1,4-Dich...	0.200	0.228	0.238	0.209	0.230	0.221	0.221	6.50
82)	T	4-Chlorotoluene	2.707	2.845	2.857	2.625	2.790	2.724	2.758	3.23
83)	T	tert-Butylbenzene	2.623	2.770	3.068	2.887	2.983	3.000	2.889	5.76
84)	T	1,2,4-Trimethy...	2.854	3.126	3.397	3.282	3.515	3.480	3.276	7.65
85)	T	sec-Butylbenzene	3.876	4.226	4.349	4.218	4.348	4.377	4.232	4.42
86)	T	p-Isopropyltol...	3.359	3.557	3.859	3.748	3.965	3.997	3.747	6.64
87)	T	1,3-Dichlorobe...	1.793	1.859	2.004	1.851	1.964	1.897	1.895	4.11
88)	T	1,4-Dichlorobe...	1.839	1.948	2.017	1.809	1.840	1.777	1.872	4.89
89)	T	n-Butylbenzene	3.418	3.433	3.725	3.511	3.653	3.612	3.559	3.50
90)	T	Hexachloroethane	0.768	0.833	0.815	0.736	0.755	0.714	0.770	5.99
91)	T	1,2-Dichlorobe...	1.633	1.727	1.709	1.556	1.641	1.540	1.635	4.68
92)	T	1,2-Dibromo-3-...	0.106	0.085	0.116	0.098	0.108	0.096	0.101	10.91
93)	T	1,2,4-Trichlor...	1.077	1.000	1.047	0.966	1.001	0.981	1.012	4.13
94)	T	Hexachlorobuta...	0.606	0.614	0.611	0.529	0.535	0.532	0.571	7.51
95)	T	Naphthalene	1.797	1.695	1.732	1.726	1.973	1.843	1.794	5.72
96)	T	1,2,3-Trichlor...	0.906	0.872	0.849	0.830	0.884	0.837	0.863	3.43

(#) = Out of Range

Methylene Chloride

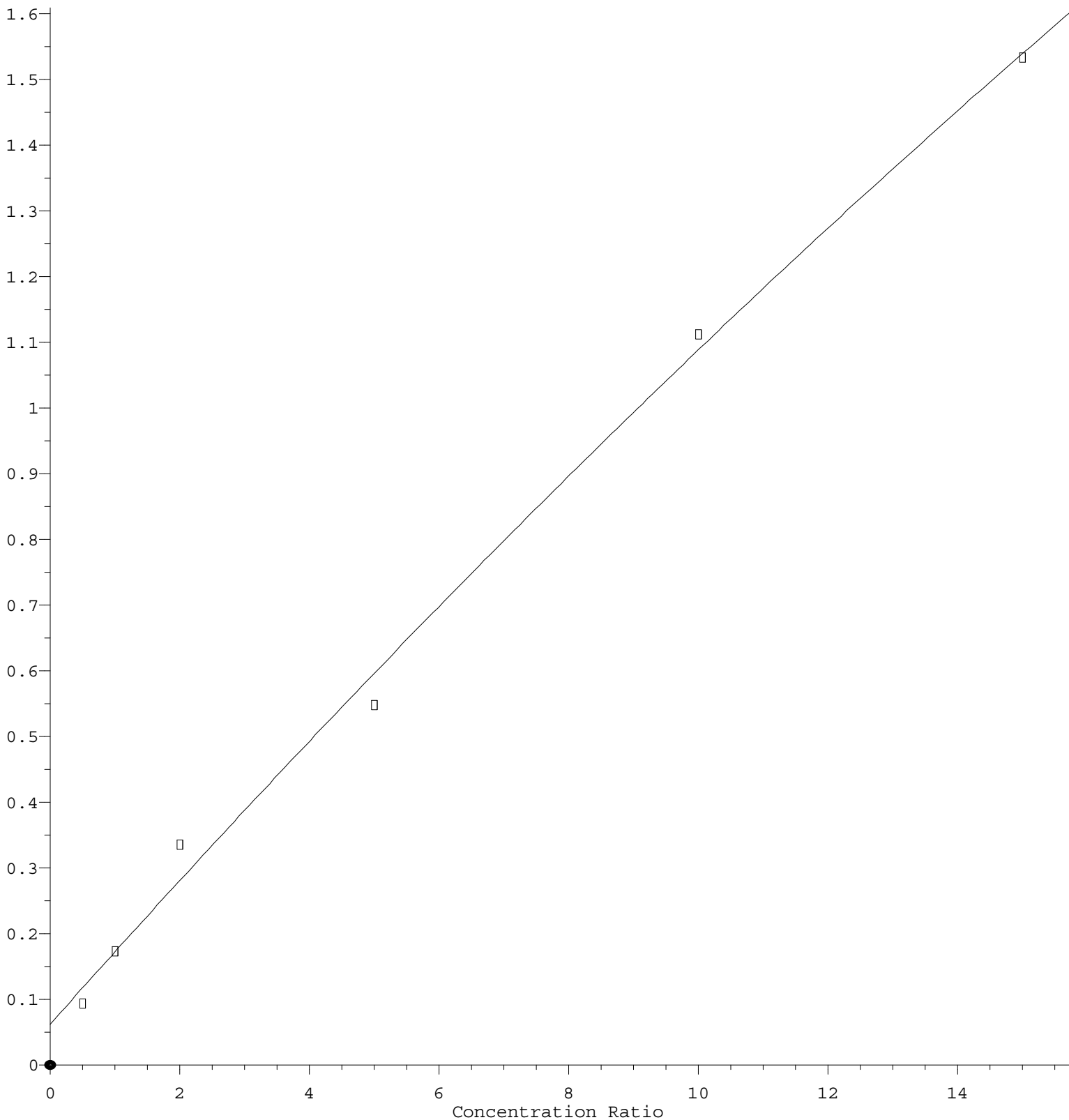
Response Ratio



$R = -1.349e-002 A^2 + 5.663e-001 A + 8.324e-002$
 Coef of Det (r^2) = 0.999486 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D010824S.M
 Calibration Table Last Updated: Tue Jan 09 01:29:14 2024

Acetone

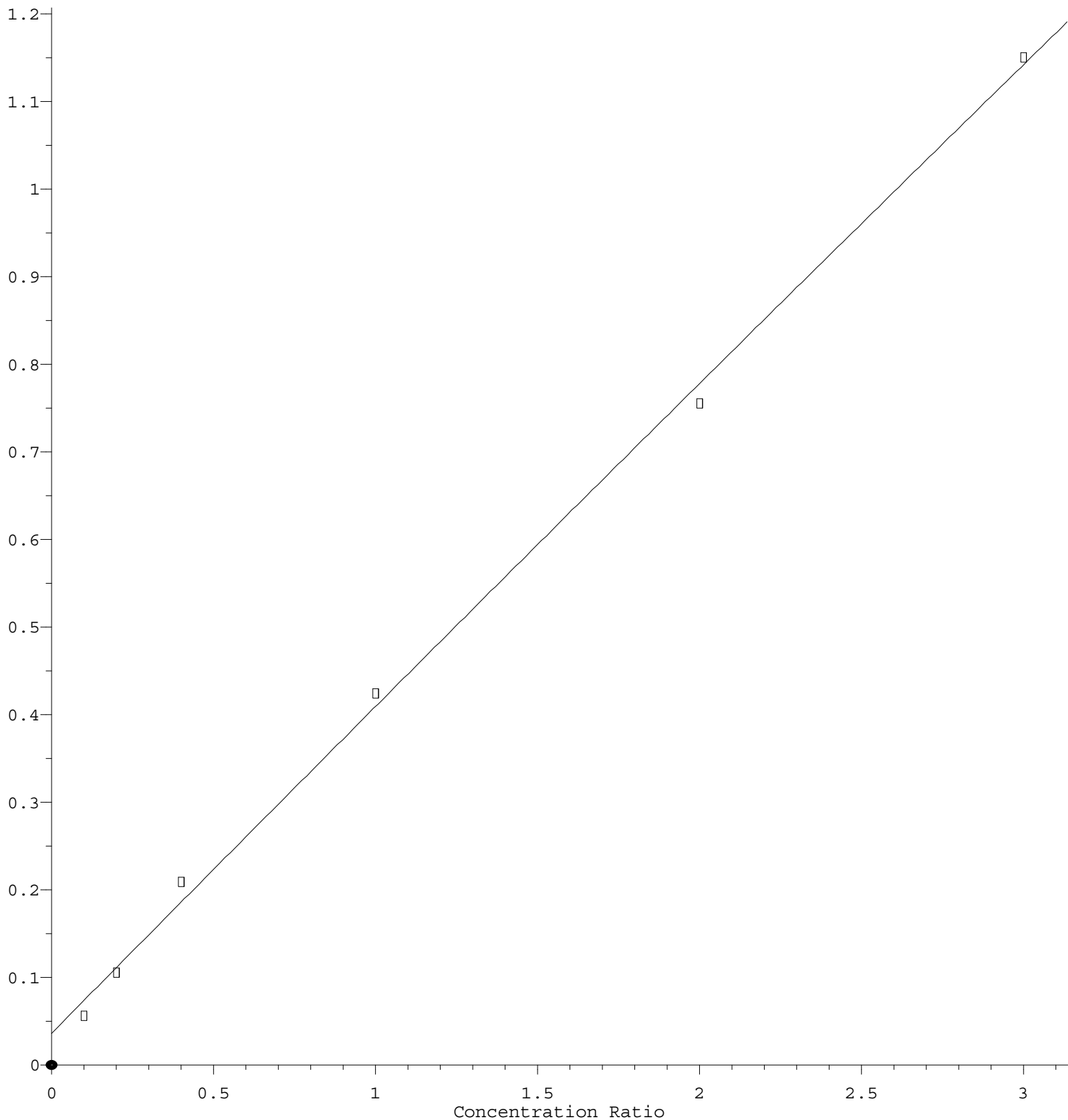
Response Ratio



$R = -8.320e-004 A^2 + 1.109e-001 A + 6.234e-002$
 Coef of Det (r^2) = 0.996039 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D010824S.M
 Calibration Table Last Updated: Tue Jan 09 01:29:14 2024

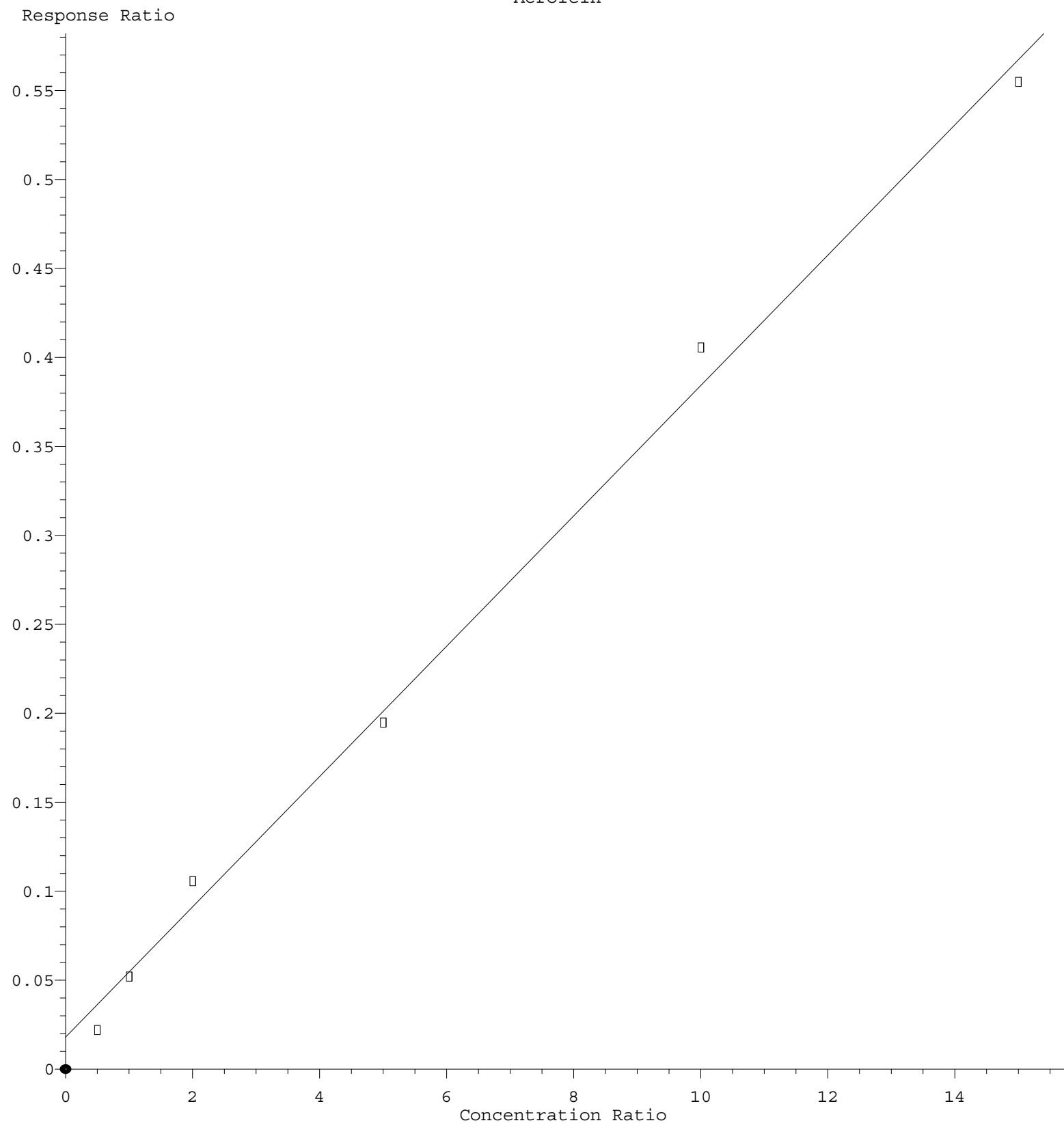
Dichlorodifluoromethane

Response Ratio



$R = -2.245e-003 A^2 + 3.754e-001 A + 3.625e-002$
 Coef of Det (r^2) = 0.998171 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D010824S.M
 Calibration Table Last Updated: Tue Jan 09 01:29:14 2024

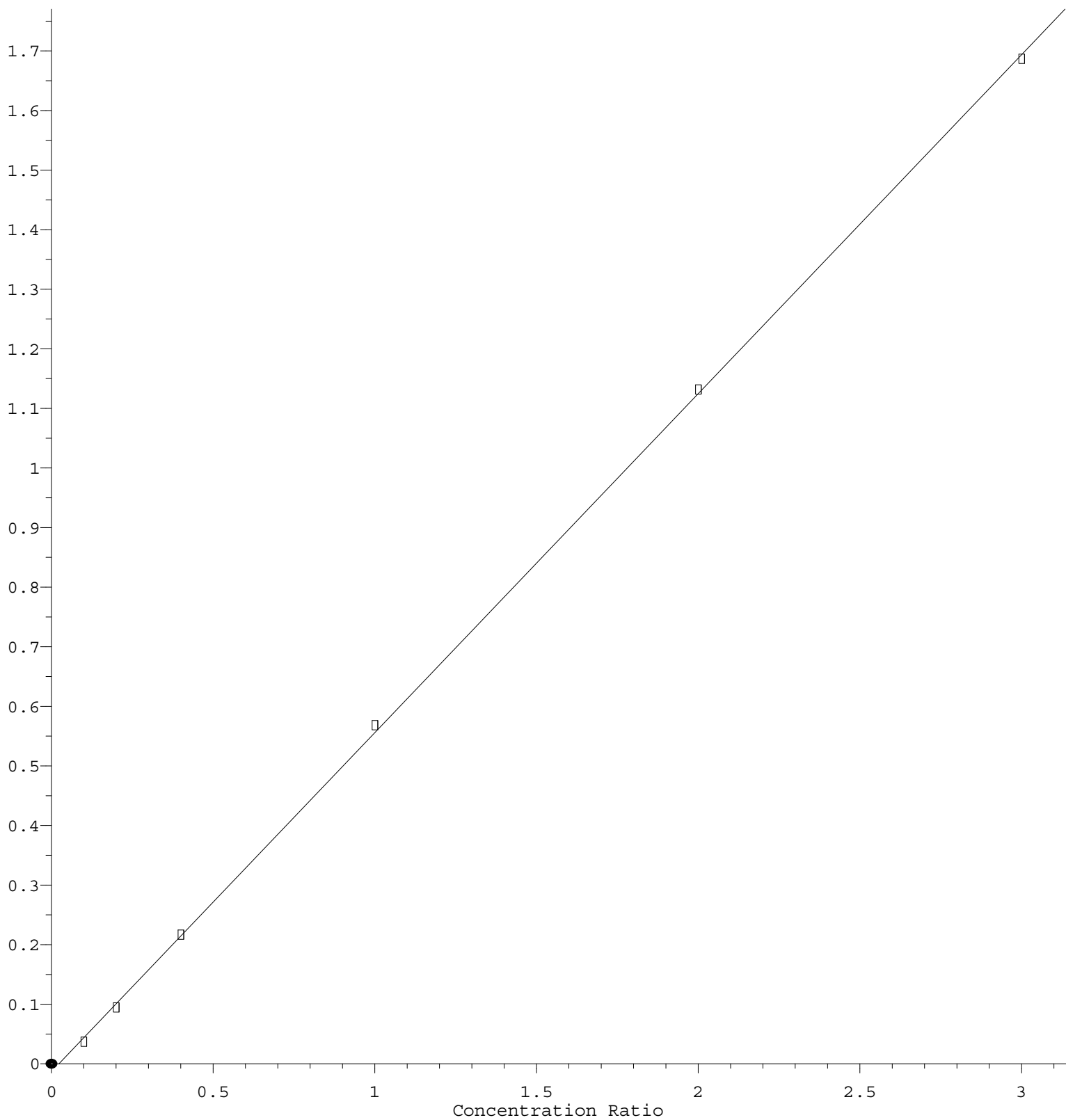
Acrolein



Response = 3.670e-002 * Amt + 1.754e-002
 Coef of Det (r^2) = 0.995308 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D010824S.M
 Calibration Table Last Updated: Tue Jan 09 01:29:14 2024

Methyl Iodide

Response Ratio



$$\text{Response} = 5.693\text{e-}001 * \text{Amt} - 1.322\text{e-}002$$

Coef of Det (r^2) = 0.999844 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D010824S.M

Calibration Table Last Updated: Tue Jan 09 01:29:14 2024