

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y100923S.M
 Title : SW846 8260
 Last Update : Tue Oct 10 07:06:18 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY015878.D 10 =VY015879.D 20 =VY015880.D 50 =VY015881.D 100 =VY015882.D 150 =VY015883.D

	Compound	5	10	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.191	0.201	0.193	0.213	0.207	0.195	0.200	4.20
3) P	Chloromethane	0.179	0.193	0.189	0.232	0.226	0.209	0.205	10.41
4) C	Vinyl Chloride	0.223	0.248	0.243	0.298	0.286	0.267	0.261	10.81#
5) T	Bromomethane	0.214	0.223	0.203	0.236	0.215	0.193	0.214	7.09
6) T	Chloroethane	0.181	0.198	0.194	0.228	0.222	0.205	0.205	8.71
7) T	Trichlorofluor...	0.491	0.570	0.540	0.589	0.584	0.547	0.554	6.56
8) T	Diethyl Ether	0.209	0.243	0.229	0.253	0.253	0.218	0.234	7.88
9) T	1,1,2-Trichlor...	0.331	0.388	0.375	0.402	0.389	0.369	0.376	6.62
10) T	Methyl Iodide	0.249	0.282	0.288	0.397	0.402	0.382	0.333	20.33
11) T	Tert butyl alc...	0.117	0.117	0.099	0.087	0.086	0.054	0.093	25.44
12) CM	1,1-Dichloroet...	0.239	0.281	0.272	0.322	0.320	0.300	0.289	10.98#
13) T	Acrolein	0.030	0.028	0.028	0.029	0.028	0.023	0.027	8.87
14) T	Allyl chloride	0.465	0.499	0.520	0.592	0.584	0.537	0.533	9.25
15) T	Acrylonitrile	0.153	0.169	0.165	0.172	0.175	0.132	0.161	9.90
16) T	Acetone	0.201	0.217	0.210	0.177	0.176	0.135	0.186	16.19
17) T	Carbon Disulfide	0.246	0.289	0.278	0.476	0.467	0.436	0.365	28.79
18) T	Methyl Acetate	0.567	0.593	0.586	0.690	0.701	0.524	0.610	11.54
19) T	Methyl tert-bu...	1.185	1.329	1.340	1.399	1.409	1.195	1.310	7.45
20) T	Methylene Chlo...	1.110	0.749	0.585	0.493	0.448	0.395	0.630	42.19
21) T	trans-1,2-Dich...	0.289	0.318	0.319	0.376	0.366	0.344	0.335	9.79
22) T	Diisopropyl ether	1.248	1.485	1.467	1.527	1.498	1.325	1.425	7.84
23) T	Vinyl Acetate	0.693	0.798	0.800	0.853	0.854	0.704	0.784	8.99
24) P	1,1-Dichloroet...	0.719	0.799	0.789	0.835	0.819	0.750	0.785	5.57
25) T	2-Butanone	0.252	0.269	0.269	0.250	0.254	0.187	0.247	12.44
26) T	2,2-Dichloropr...	0.729	0.758	0.710	0.753	0.728	0.703	0.730	3.04
27) T	cis-1,2-Dichlo...	0.435	0.508	0.488	0.531	0.525	0.484	0.495	7.11
28) T	Bromochloromet...	0.493	0.468	0.455	0.444	0.449	0.406	0.452	6.41
29) T	Tetrahydrofuran	0.127	0.137	0.139	0.147	0.152	0.107	0.135	11.90
30) C	Chloroform	0.810	0.910	0.891	0.917	0.907	0.820	0.876	5.47#
31) T	Cyclohexane	0.546	0.494	0.443	0.492	0.473	0.444	0.482	7.94
32) T	1,1,1-Trichlor...	0.634	0.736	0.709	0.758	0.752	0.702	0.715	6.40
33) S	1,2-Dichloroet...	0.494	0.486	0.448	0.440	0.440	0.392	0.450	8.19
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.289	0.296	0.279	0.274	0.274	0.262	0.279	4.35
36) T	1,1-Dichloropr...	0.264	0.308	0.289	0.340	0.333	0.319	0.309	9.24
37) T	Ethyl Acetate	0.234	0.287	0.276	0.286	0.291	0.219	0.265	11.73
38) T	Carbon Tetrach...	0.330	0.373	0.362	0.394	0.390	0.376	0.371	6.25
39) T	Methylcyclohexane	0.256	0.307	0.294	0.350	0.343	0.333	0.314	11.28
40) TM	Benzene	0.840	0.975	0.943	1.055	1.038	0.972	0.971	7.91
41) T	Methacrylonitrile	0.133	0.158	0.157	0.176	0.204	0.161	0.165	14.24
42) TM	1,2-Dichloroet...	0.297	0.344	0.330	0.358	0.351	0.306	0.331	7.48
43) T	Isopropyl Acetate	0.438	0.504	0.508	0.530	0.540	0.427	0.491	9.70
44) TM	Trichloroethene	0.242	0.288	0.276	0.305	0.295	0.278	0.281	7.78
45) C	1,2-Dichloropr...	0.261	0.304	0.297	0.308	0.302	0.280	0.292	6.24#
46) T	Dibromomethane	0.154	0.181	0.169	0.187	0.188	0.163	0.174	7.84
47) T	Bromodichlorom...	0.385	0.453	0.436	0.455	0.452	0.412	0.432	6.58
48) T	Methyl methacr...	0.191	0.219	0.219	0.244	0.239	0.190	0.217	10.61
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.004	0.003	0.003	12.54
50) S	Toluene-d8	0.923	0.983	0.908	0.913	0.912	0.876	0.919	3.80
51) T	4-Methyl-2-Pen...	0.271	0.310	0.307	0.317	0.320	0.238	0.294	11.05
52) CM	Toluene	0.564	0.659	0.635	0.692	0.682	0.635	0.644	7.14#
53) T	t-1,3-Dichloro...	0.377	0.442	0.435	0.469	0.477	0.422	0.437	8.27
54) T	cis-1,3-Dichlo...	0.415	0.480	0.469	0.512	0.509	0.462	0.475	7.44
55) T	1,1,2-Trichlor...	0.257	0.292	0.278	0.292	0.292	0.249	0.277	6.87
56) T	Ethyl methacry...	0.315	0.376	0.377	0.413	0.426	0.346	0.376	10.94

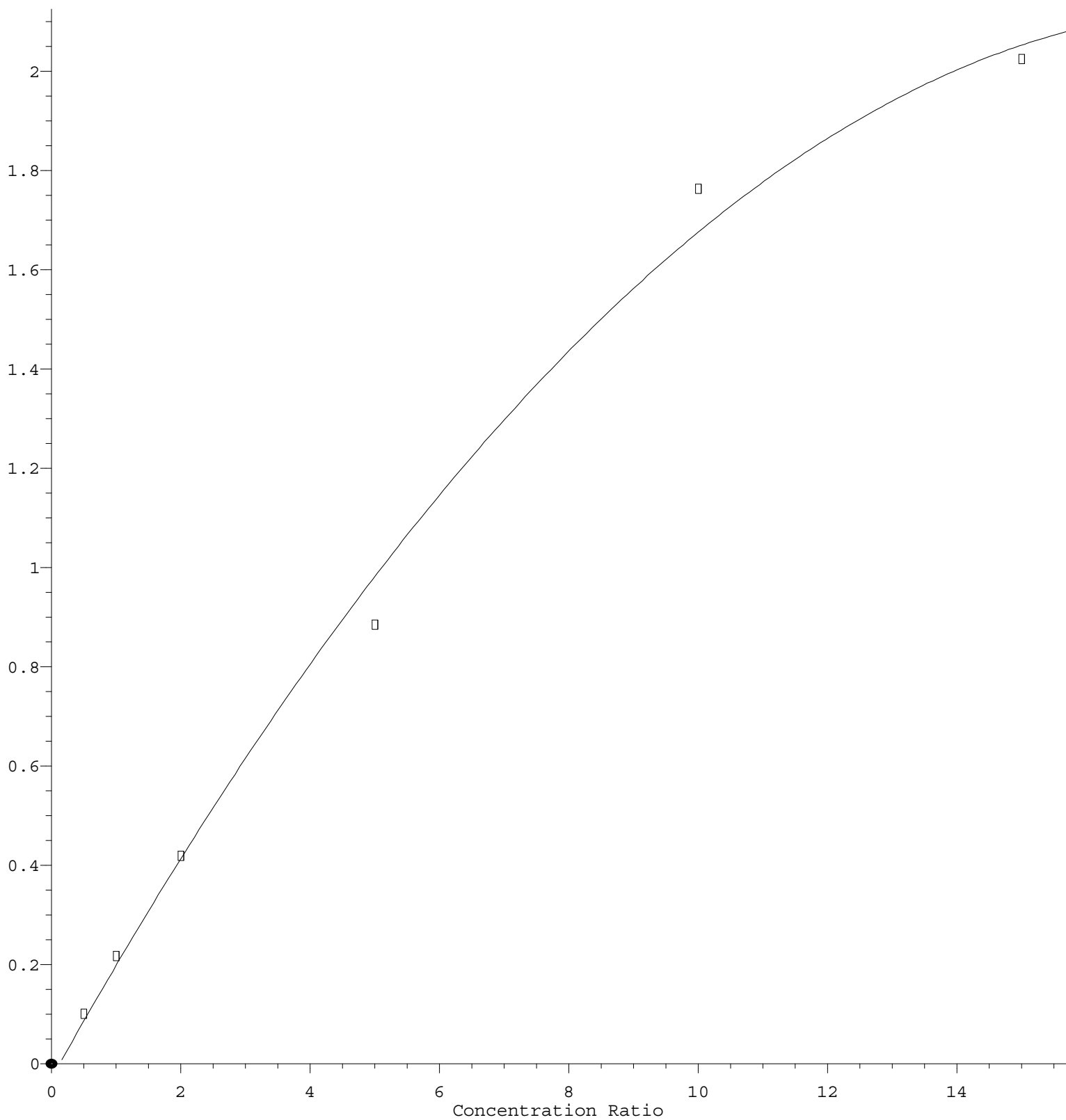
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y100923S.M

57)	T	1,3-Dichloropr...	0.409	0.458	0.454	0.475	0.471	0.408	0.446	6.70
58)	T	2-Chloroethyl ...	0.213	0.238	0.226	0.233	0.250	0.214	0.229	6.23
59)	T	2-Hexanone	0.206	0.241	0.242	0.234	0.237	0.174	0.222	12.15
60)	T	Dibromochlorom...	0.306	0.343	0.331	0.349	0.351	0.310	0.332	5.96
61)	T	1,2-Dibromoethane	0.230	0.261	0.249	0.272	0.274	0.231	0.253	7.67
62)	S	4-Bromofluorob...	0.414	0.405	0.377	0.354	0.356	0.334	0.373	8.34
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.301	0.346	0.336	0.343	0.334	0.297	0.326	6.59
65)	PM	Chlorobenzene	0.808	0.900	0.876	0.908	0.903	0.838	0.872	4.65
66)	T	1,1,1,2-Tetrac...	0.316	0.367	0.366	0.372	0.373	0.344	0.356	6.36
67)	C	Ethyl Benzene	1.312	1.525	1.509	1.583	1.569	1.480	1.496	6.54#
68)	T	m/p-Xylenes	0.483	0.576	0.569	0.597	0.597	0.559	0.564	7.51
69)	T	o-Xylene	0.485	0.573	0.573	0.605	0.597	0.553	0.564	7.60
70)	T	Styrene	0.831	1.002	1.005	1.063	1.048	0.957	0.984	8.53
71)	P	Bromoform	0.226	0.252	0.252	0.263	0.271	0.226	0.248	7.45
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	2.777	3.301	3.186	3.232	3.288	3.140	3.154	6.17
74)	T	N-amyl acetate	0.855	1.007	1.045	1.065	1.105	0.887	0.994	10.15
75)	P	1,1,2,2-Tetrac...	0.785	0.858	0.829	0.832	0.882	0.722	0.818	6.98
76)	T	1,2,3-Trichlor...	0.555	0.698	0.571	0.558	0.652	0.468	0.584	13.84
77)	T	Bromobenzene	0.709	0.826	0.773	0.789	0.803	0.741	0.773	5.50
78)	T	n-propylbenzene	3.389	3.973	3.849	3.904	3.896	3.746	3.793	5.57
79)	T	2-Chlorotoluene	1.958	2.227	2.197	2.233	2.227	2.122	2.161	4.98
80)	T	1,3,5-Trimethy...	2.210	2.706	2.676	2.695	2.737	2.575	2.600	7.65
81)	T	trans-1,4-Dich...	0.220	0.267	0.265	0.282	0.300	0.246	0.263	10.57
82)	T	4-Chlorotoluene	2.056	2.358	2.296	2.289	2.334	2.176	2.252	5.07
83)	T	tert-Butylbenzene	2.103	2.544	2.496	2.534	2.463	2.415	2.426	6.81
84)	T	1,2,4-Trimethy...	2.304	2.750	2.653	2.717	2.730	2.552	2.618	6.49
85)	T	sec-Butylbenzene	3.116	3.792	3.648	3.679	3.636	3.475	3.558	6.72
86)	T	p-Isopropyltol...	2.531	3.084	3.048	3.076	3.027	2.893	2.943	7.25
87)	T	1,3-Dichlorobe...	1.469	1.649	1.594	1.574	1.578	1.478	1.557	4.50
88)	T	1,4-Dichlorobe...	1.513	1.660	1.607	1.587	1.576	1.465	1.568	4.43
89)	T	n-Butylbenzene	2.382	2.940	2.935	2.899	2.834	2.721	2.785	7.67
90)	T	Hexachloroethane	0.531	0.625	0.593	0.604	0.605	0.587	0.591	5.45
91)	T	1,2-Dichlorobe...	1.329	1.557	1.491	1.480	1.474	1.352	1.447	6.10
92)	T	1,2-Dibromo-3-...	0.133	0.154	0.145	0.150	0.158	0.122	0.144	9.53
93)	T	1,2,4-Trichlor...	0.862	0.946	0.950	0.955	0.952	0.901	0.928	4.07
94)	T	Hexachlorobuta...	0.456	0.527	0.521	0.504	0.494	0.479	0.497	5.33
95)	T	Naphthalene	1.946	2.094	2.178	2.262	2.375	2.020	2.146	7.37
96)	T	1,2,3-Trichlor...	0.741	0.844	0.868	0.847	0.851	0.800	0.825	5.69

(#) = Out of Range

Acetone

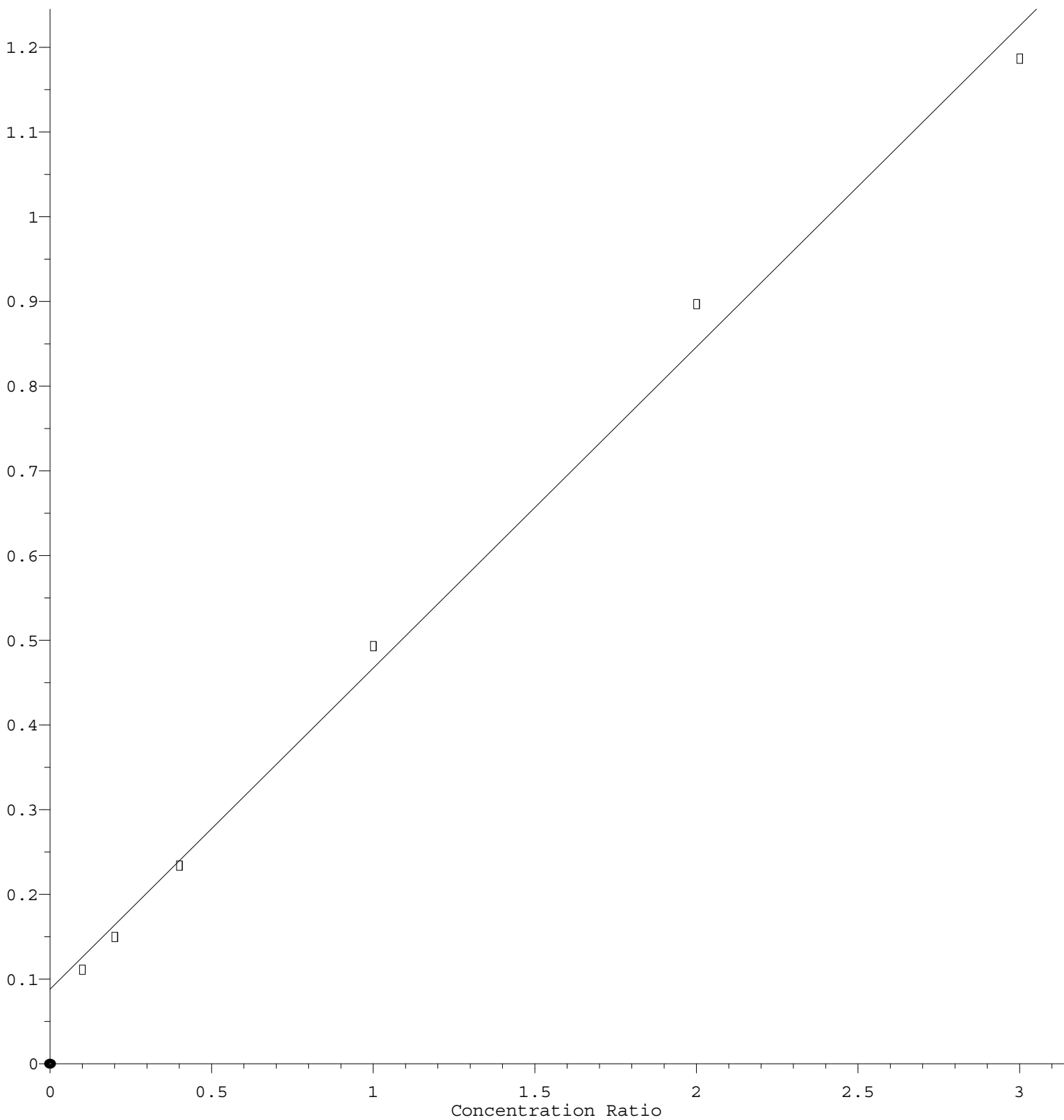
Response Ratio



$R = -6.341e-003 A^2 + 2.339e-001 A - 2.893e-002$
Coef of Det (r^2) = 0.994493 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100923S.M
Calibration Table Last Updated: Tue Oct 10 07:06:18 2023

Methylene Chloride

Response Ratio



$$\text{Response} = 3.792\text{e-}001 * \text{Amt} + 8.835\text{e-}002$$

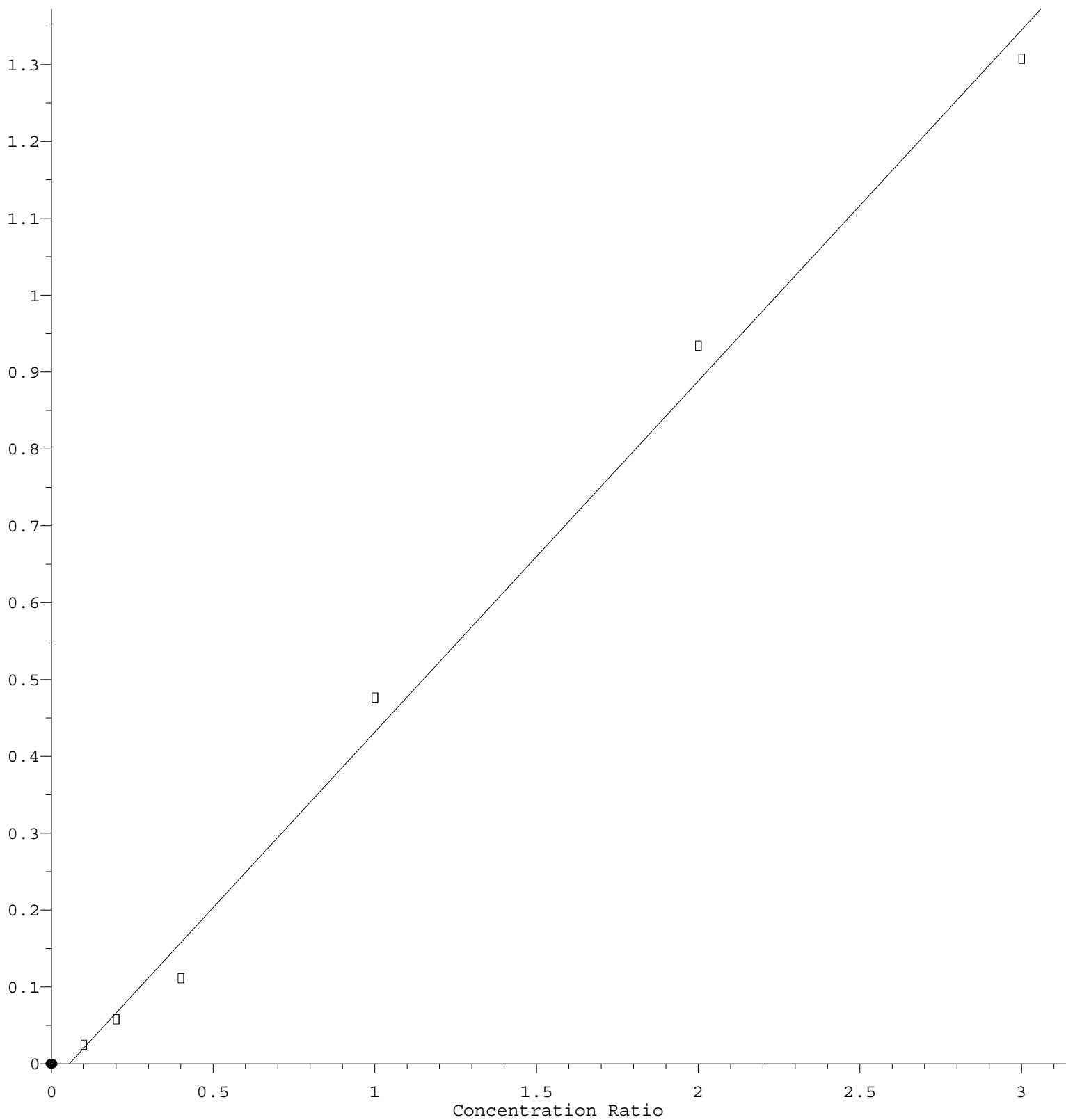
Coef of Det (r^2) = 0.994667 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100923S.M

Calibration Table Last Updated: Tue Oct 10 07:06:18 2023

Carbon Disulfide

Response Ratio



$$\text{Response} = 4.569\text{e-}001 * \text{Amt} - 2.492\text{e-}002$$

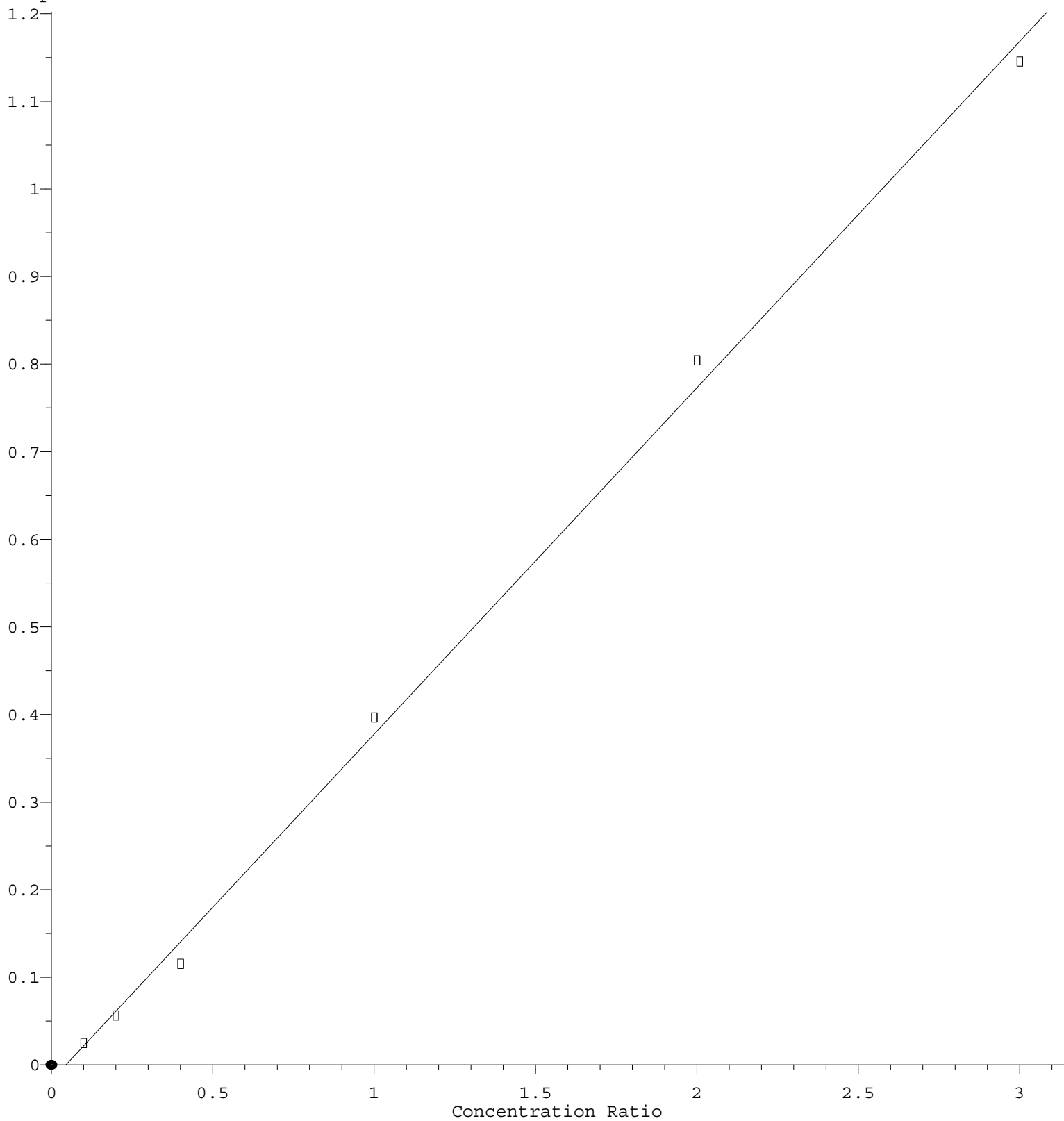
Coef of Det (r^2) = 0.994507 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100923S.M

Calibration Table Last Updated: Tue Oct 10 07:06:18 2023

Methyl Iodide

Response Ratio



$$\text{Response} = 3.956\text{e-}001 * \text{Amt} - 1.799\text{e-}002$$

Coef of Det (r^2) = 0.997601 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100923S.M

Calibration Table Last Updated: Tue Oct 10 07:06:18 2023