

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y120423S.M
 Title : SW846 8260
 Last Update : Tue Dec 05 01:24:25 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY016572.D 10 =VY016573.D 20 =VY016574.D 50 =VY016575.D 100 =VY016579.D 150 =VY016577.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.500	0.474	0.471	0.404	0.398	0.403	0.442	10.21
3) P	Chloromethane	0.507	0.502	0.479	0.428	0.411	0.423	0.458	9.32
4) C	Vinyl Chloride	0.501	0.488	0.473	0.442	0.428	0.444	0.463	6.27#
5) T	Bromomethane	0.308	0.311	0.292	0.275	0.270	0.283	0.290	5.88
6) T	Chloroethane	0.287	0.303	0.298	0.278	0.270	0.279	0.286	4.36
7) T	Trichlorofluor...	0.911	0.918	0.896	0.843	0.840	0.840	0.875	4.27
8) T	Diethyl Ether	0.244	0.244	0.246	0.239	0.238	0.251	0.244	1.90
9) T	1,1,2-Trichlor...	0.512	0.493	0.497	0.481	0.474	0.477	0.489	2.99
10) T	Methyl Iodide	0.509	0.510	0.507	0.519	0.522	0.534	0.517	1.99
11) T	Tert butyl alc...	0.034	0.028	0.030	0.031	0.031	0.035	0.031	7.94
12) CM	1,1-Dichloroet...	0.447	0.450	0.453	0.440	0.438	0.438	0.444	1.49#
13) T	Acrolein	0.042	0.044	0.047	0.049	0.043	0.049	0.046	6.23
14) T	Allyl chloride	0.697	0.654	0.693	0.674	0.669	0.682	0.678	2.32
15) T	Acrylonitrile	0.097	0.096	0.098	0.101	0.095	0.103	0.098	3.09
16) T	Acetone	0.129	0.111	0.109	0.092	0.092	0.094	0.105	14.08
17) T	Carbon Disulfide	1.294	1.265	1.284	1.231	1.201	1.200	1.246	3.30
18) T	Methyl Acetate	0.399	0.381	0.375	0.449	0.423	0.460	0.415	8.53
19) T	Methyl tert-bu...	1.039	1.050	1.084	1.122	1.090	1.169	1.092	4.38
20) T	Methylene Chlo...	0.656	0.576	0.527	0.474	0.437	0.442	0.519	16.49
21) T	trans-1,2-Dich...	0.521	0.521	0.503	0.489	0.478	0.485	0.500	3.69
22) T	Diisopropyl ether	1.335	1.435	1.450	1.426	1.333	1.389	1.395	3.67
23) T	Vinyl Acetate	0.646	0.658	0.688	0.685	0.652	0.689	0.670	2.95
24) P	1,1-Dichloroet...	0.893	0.891	0.881	0.839	0.811	0.826	0.857	4.22
25) T	2-Butanone	0.160	0.149	0.147	0.137	0.130	0.140	0.144	7.33
26) T	2,2-Dichloropr...	0.827	0.819	0.825	0.783	0.789	0.790	0.806	2.50
27) T	cis-1,2-Dichlo...	0.543	0.567	0.565	0.546	0.534	0.545	0.550	2.39
28) T	Bromochloromet...	0.368	0.360	0.346	0.367	0.306	0.336	0.347	6.89
29) T	Tetrahydrofuran	0.080	0.075	0.080	0.087	0.080	0.089	0.082	6.16
30) C	Chloroform	0.944	0.956	0.931	0.893	0.868	0.888	0.913	3.86#
31) T	Cyclohexane	0.947	0.801	0.800	0.734	0.723	0.729	0.789	10.80
32) T	1,1,1-Trichlor...	0.891	0.899	0.869	0.837	0.841	0.850	0.864	3.04
33) S	1,2-Dichloroet...	0.475	0.446	0.481	0.499	0.402	0.470	0.462	7.38
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.309	0.294	0.308	0.327	0.264	0.303	0.301	6.98
36) T	1,1-Dichloropr...	0.452	0.462	0.470	0.457	0.441	0.462	0.457	2.16
37) T	Ethyl Acetate	0.191	0.180	0.188	0.199	0.183	0.206	0.191	5.12
38) T	Carbon Tetrach...	0.524	0.534	0.534	0.526	0.522	0.537	0.530	1.16
39) T	Methylcyclohexane	0.530	0.528	0.550	0.562	0.555	0.581	0.551	3.64
40) TM	Benzene	1.303	1.314	1.328	1.282	1.221	1.288	1.289	2.91
41) T	Methacrylonitrile	0.094	0.114	0.105	0.115	0.122	0.114	0.111	8.89
42) TM	1,2-Dichloroet...	0.374	0.378	0.376	0.379	0.357	0.383	0.374	2.38
43) T	Isopropyl Acetate	0.345	0.339	0.359	0.393	0.368	0.412	0.369	7.66
44) TM	Trichloroethene	0.400	0.397	0.395	0.380	0.373	0.388	0.389	2.73
45) C	1,2-Dichloropr...	0.310	0.317	0.314	0.311	0.296	0.314	0.310	2.42#
46) T	Dibromomethane	0.167	0.171	0.169	0.176	0.163	0.175	0.170	2.81
47) T	Bromodichlorom...	0.446	0.459	0.456	0.457	0.440	0.460	0.453	1.76
48) T	Methyl methacr...	0.194	0.193	0.203	0.229	0.217	0.243	0.213	9.54
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	9.98
50) S	Toluene-d8	1.087	1.104	1.210	1.241	1.011	1.176	1.138	7.57
51) T	4-Methyl-2-Pen...	0.176	0.175	0.188	0.207	0.191	0.214	0.192	8.14
52) CM	Toluene	0.776	0.806	0.831	0.820	0.791	0.824	0.808	2.63#
53) T	t-1,3-Dichloro...	0.410	0.407	0.423	0.441	0.425	0.460	0.428	4.71
54) T	cis-1,3-Dichlo...	0.480	0.496	0.499	0.516	0.496	0.525	0.502	3.19
55) T	1,1,2-Trichlor...	0.230	0.234	0.239	0.242	0.231	0.246	0.237	2.71
56) T	Ethyl methacry...	0.188	0.193	0.208	0.237	0.226	0.251	0.217	11.50

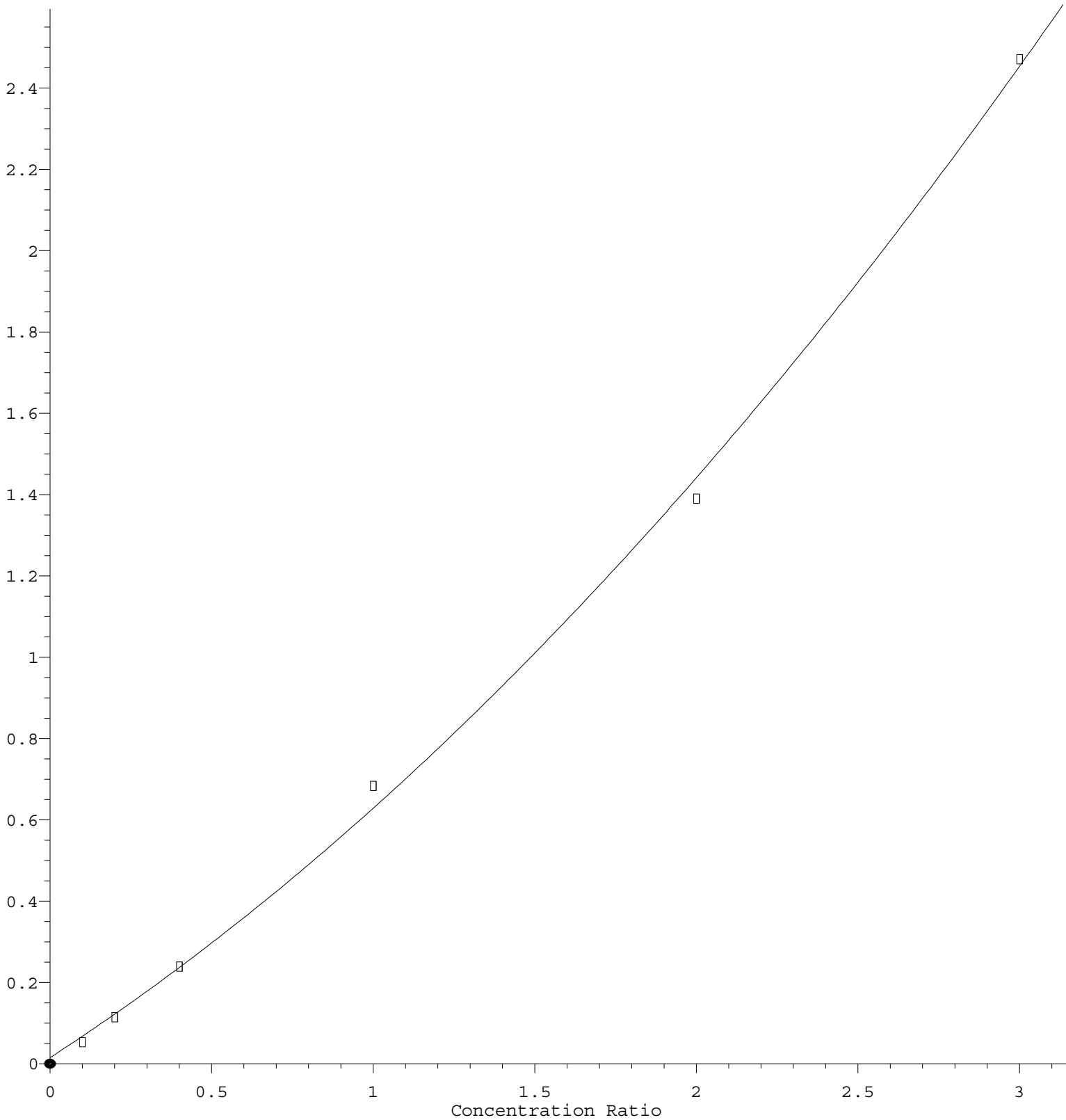
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
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57)	T	1,3-Dichloropr...	0.381	0.394	0.405	0.414	0.388	0.420	0.400	3.82
58)	T	2-Chloroethyl ...	0.105	0.118	0.132	0.149	0.143	0.157	0.134	14.56
59)	T	2-Hexanone	0.140	0.138	0.151	0.148	0.140	0.154	0.145	4.58
60)	T	Dibromochlorom...	0.319	0.310	0.318	0.319	0.308	0.327	0.317	2.18
61)	T	1,2-Dibromoethane	0.213	0.212	0.222	0.234	0.220	0.237	0.223	4.82
62)	S	4-Bromofluorob...	0.359	0.362	0.385	0.410	0.338	0.393	0.374	7.01
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.462	0.455	0.470	0.460	0.438	0.465	0.458	2.43
65)	PM	Chlorobenzene	0.999	1.023	1.050	1.000	0.978	1.026	1.013	2.51
66)	T	1,1,1,2-Tetrac...	0.391	0.403	0.404	0.398	0.380	0.400	0.396	2.31
67)	C	Ethyl Benzene	1.788	1.792	1.869	1.823	1.770	1.856	1.816	2.21#
68)	T	m/p-Xylenes	0.654	0.691	0.716	0.694	0.676	0.706	0.689	3.19
69)	T	o-Xylene	0.608	0.651	0.659	0.640	0.642	0.663	0.644	3.07
70)	T	Styrene	0.852	0.887	0.949	0.946	0.931	0.976	0.923	4.93
71)	P	Bromoform	0.201	0.205	0.214	0.222	0.213	0.227	0.214	4.62
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.461	3.759	3.813	3.709	3.672	3.800	3.702	3.50
74)	T	N-amyl acetate	0.666	0.678	0.724	0.762	0.753	0.845	0.738	8.83
75)	P	1,1,2,2-Tetrac...	0.616	0.589	0.583	0.596	0.549	0.601	0.589	3.86
76)	T	1,2,3-Trichlor...	0.451	0.453	0.483	0.443	0.413	0.468	0.452	5.25
77)	T	Bromobenzene	0.837	0.892	0.892	0.866	0.846	0.902	0.873	3.09
78)	T	n-propylbenzene	4.180	4.349	4.470	4.278	4.229	4.350	4.309	2.39
79)	T	2-Chlorotoluene	2.359	2.476	2.513	2.400	2.362	2.459	2.428	2.63
80)	T	1,3,5-Trimethy...	2.819	3.032	3.123	3.016	2.982	3.079	3.008	3.49
81)	T	trans-1,4-Dich...	0.195	0.188	0.203	0.202	0.198	0.215	0.200	4.44
82)	T	4-Chlorotoluene	2.500	2.588	2.557	2.483	2.418	2.530	2.513	2.40
83)	T	tert-Butylbenzene	2.544	2.668	2.790	2.705	2.674	2.747	2.688	3.14
84)	T	1,2,4-Trimethy...	2.745	2.948	3.018	2.950	2.929	3.041	2.938	3.56
85)	T	sec-Butylbenzene	3.635	3.832	3.956	3.751	3.687	3.789	3.775	3.00
86)	T	p-Isopropyltol...	3.050	3.287	3.356	3.334	3.268	3.367	3.277	3.59
87)	T	1,3-Dichlorobe...	1.646	1.704	1.699	1.642	1.606	1.697	1.666	2.41
88)	T	1,4-Dichlorobe...	1.657	1.644	1.635	1.629	1.579	1.665	1.635	1.85
89)	T	n-Butylbenzene	2.825	2.884	3.052	2.991	2.891	3.040	2.947	3.17
90)	T	Hexachloroethane	0.644	0.655	0.655	0.634	0.623	0.659	0.645	2.17
91)	T	1,2-Dichlorobe...	1.387	1.442	1.444	1.424	1.397	1.488	1.430	2.57
92)	T	1,2-Dibromo-3-...	0.083	0.093	0.088	0.098	0.094	0.108	0.094	9.17
93)	T	1,2,4-Trichlor...	0.701	0.712	0.766	0.833	0.853	0.978	0.807	12.87
94)	T	Hexachlorobuta...	0.519	0.522	0.499	0.516	0.467	0.537	0.510	4.80
95)	T	Naphthalene	1.061	1.117	1.230	1.441	1.487	1.839	1.362	21.21
96)	T	1,2,3-Trichlor...	0.531	0.573	0.597	0.683	0.695	0.824	0.651	16.28

(#) = Out of Range

1,2,3-Trichlorobenzene

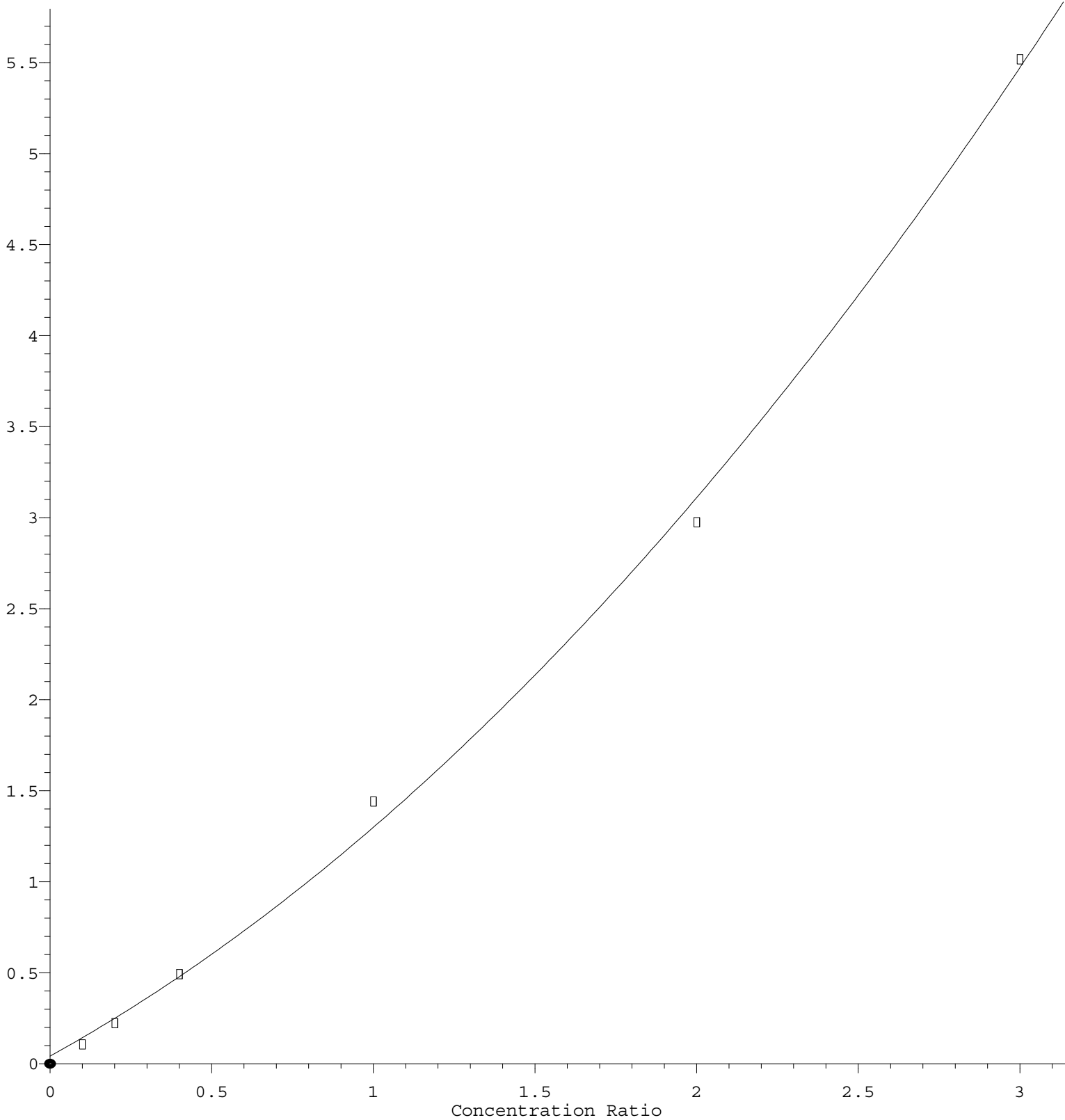
Response Ratio



$R = 9.973e-002 A^2 + 5.136e-001 A + 1.535e-002$
 Coef of Det (r^2) = 0.998615 Curve Fit: Quadratic
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Naphthalene

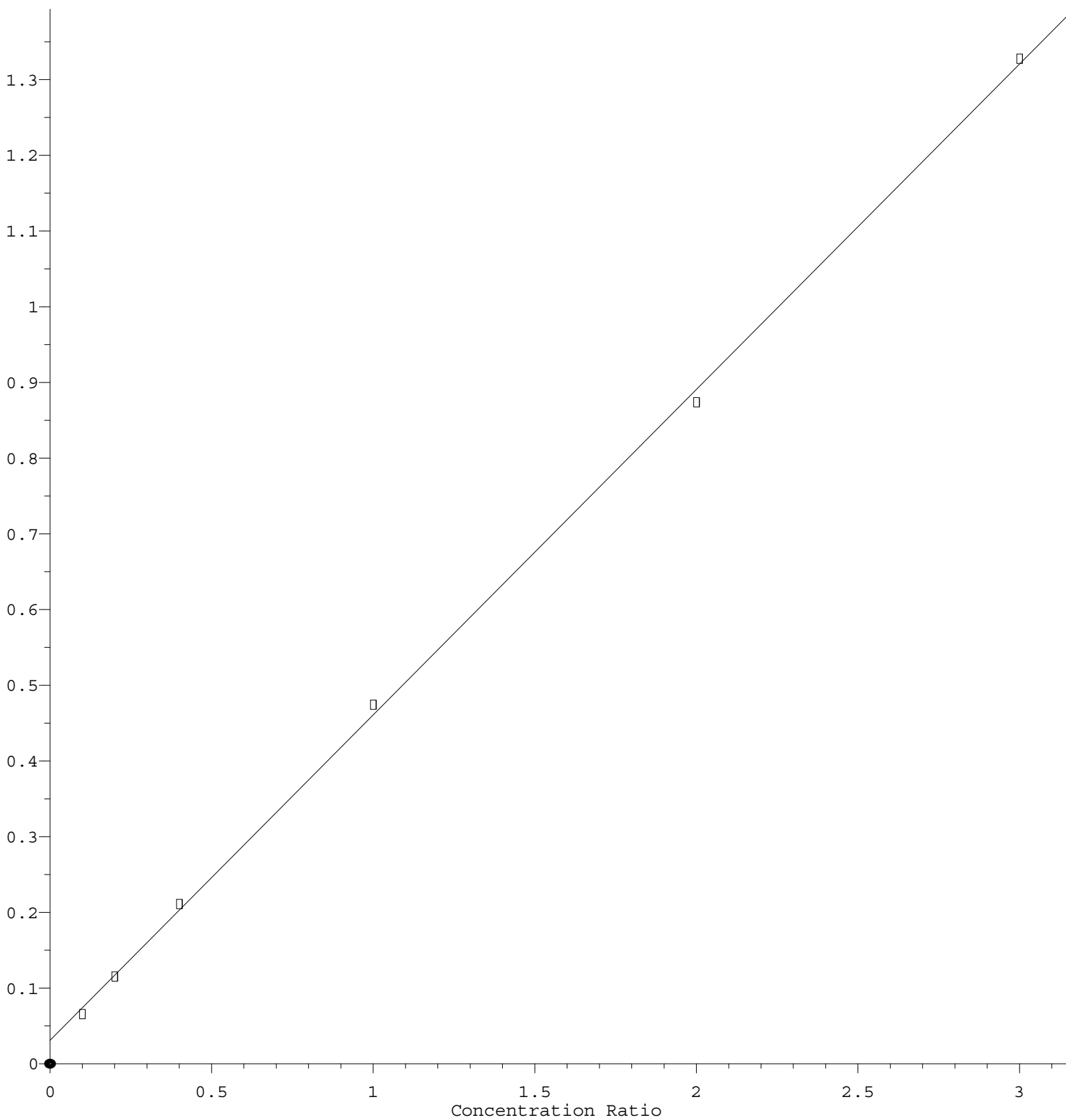
Response Ratio



$R = 2.767e-001 A^2 + 9.801e-001 A + 4.249e-002$
 Coef of Det (r^2) = 0.998105 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120423S.M
 Calibration Table Last Updated: Tue Dec 05 01:24:25 2023

Methylene Chloride

Response Ratio



$$\text{Response} = 4.300\text{e-}001 * \text{Amt} + 3.106\text{e-}002$$

Coef of Det (r^2) = 0.999479 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120423S.M

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