

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D060523S.M
 Title : SW846 8260
 Last Update : Tue Jun 06 02:52:23 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD076322.D 10 =VD076323.D 20 =VD076324.D 50 =VD076325.D 100 =VD076326.D 150 =VD076327.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.530	0.541	0.508	0.443	0.442	0.442	0.484	9.79
3) P	Chloromethane	1.052	1.038	0.956	0.892	0.827	0.818	0.930	10.95
4) C	Vinyl Chloride	1.296	1.359	1.254	1.179	1.138	1.100	1.221	8.12#
5) T	Bromomethane	0.960	0.885	0.800	0.764	0.705	0.639	0.792	14.76
6) T	Chloroethane	0.905	0.915	0.843	0.814	0.732	0.702	0.818	10.71
7) T	Trichlorofluor...	0.912	0.889	0.816	0.752	0.736	0.760	0.811	9.25
8) T	Diethyl Ether	0.261	0.260	0.264	0.266	0.268	0.268	0.264	1.24
9) T	1,1,2-Trichlor...	0.560	0.551	0.530	0.494	0.487	0.489	0.519	6.34
10) T	Methyl Iodide	0.665	0.719	0.710	0.784	0.737	0.716	0.722	5.34
11) T	Tert butyl alc...	0.025	0.027	0.025	0.025	0.024	0.025	0.025	3.53
12) CM	1,1-Dichloroet...	0.565	0.573	0.557	0.544	0.533	0.532	0.551	3.06#
13) T	Acrolein	0.058	0.057	0.055	0.054	0.052	0.051	0.054	4.94
14) T	Allyl chloride	0.535	0.564	0.538	0.548	0.527	0.534	0.541	2.46
15) T	Acrylonitrile	0.104	0.108	0.104	0.109	0.104	0.105	0.106	2.02
16) T	Acetone	0.090	0.085	0.077	0.090	0.079	0.073	0.082	8.74
17) T	Carbon Disulfide	1.945	1.998	1.871	1.806	1.699	1.700	1.836	6.78
18) T	Methyl Acetate	0.365	0.361	0.356	0.346	0.331	0.329	0.348	4.39
19) T	Methyl tert-bu...	0.948	0.966	0.994	1.089	1.037	1.052	1.014	5.34
20) T	Methylene Chlo...	1.049	0.964	0.783	0.704	0.607	0.587	0.782	24.20
21) T	trans-1,2-Dich...	0.686	0.633	0.642	0.652	0.611	0.604	0.638	4.64
22) T	Diisopropyl ether	1.081	1.196	1.208	1.305	1.211	1.217	1.203	5.95
23) T	Vinyl Acetate	0.393	0.396	0.438	0.515	0.481	0.493	0.453	11.36
24) P	1,1-Dichloroet...	1.058	1.059	0.980	0.989	0.901	0.907	0.983	7.03
25) T	2-Butanone	0.119	0.114	0.110	0.115	0.110	0.113	0.114	2.88
26) T	2,2-Dichloropr...	0.880	0.897	0.826	0.775	0.753	0.751	0.814	7.89
27) T	cis-1,2-Dichlo...	0.673	0.717	0.675	0.713	0.683	0.673	0.689	3.00
28) T	Bromochloromet...	0.317	0.298	0.283	0.245	0.226	0.218	0.264	15.37
29) T	Tetrahydrofuran	0.062	0.063	0.065	0.071	0.070	0.071	0.067	6.04
30) C	Chloroform	1.145	1.112	1.024	1.050	0.937	0.919	1.031	8.83#
31) T	Cyclohexane	0.838	0.798	0.727	0.708	0.715	0.726	0.752	7.06
32) T	1,1,1-Trichlor...	0.862	0.876	0.832	0.809	0.775	0.773	0.821	5.30
33) S	1,2-Dichloroet...	0.486	0.480	0.449	0.459	0.410	0.404	0.448	7.68
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.344	0.324	0.304	0.319	0.309	0.305	0.317	4.71
36) T	1,1-Dichloropr...	0.414	0.467	0.463	0.461	0.460	0.472	0.456	4.61
37) T	Ethyl Acetate	0.145	0.136	0.157	0.155	0.157	0.152	0.150	5.53
38) T	Carbon Tetrach...	0.381	0.402	0.404	0.396	0.405	0.411	0.400	2.60
39) T	Methylcyclohexane	0.427	0.482	0.518	0.531	0.577	0.593	0.521	11.74
40) TM	Benzene	1.388	1.500	1.433	1.479	1.427	1.430	1.443	2.78
41) T	Methacrylonitrile	0.077	0.077	0.063	0.070	0.084	0.089	0.077	11.98
42) TM	1,2-Dichloroet...	0.341	0.335	0.341	0.340	0.324	0.319	0.333	2.91
43) T	Isopropyl Acetate	0.231	0.258	0.274	0.278	0.283	0.294	0.270	8.33
44) TM	Trichloroethene	0.391	0.412	0.398	0.411	0.406	0.403	0.403	1.99
45) C	1,2-Dichloropr...	0.326	0.341	0.340	0.352	0.336	0.336	0.339	2.43#
46) T	Dibromomethane	0.191	0.193	0.194	0.198	0.188	0.186	0.192	2.30
47) T	Bromodichlorom...	0.436	0.454	0.450	0.475	0.441	0.440	0.449	3.12
48) T	Methyl methacr...	0.108	0.104	0.110	0.135	0.139	0.138	0.122	13.58
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	14.14
50) S	Toluene-d8	1.158	1.275	1.267	1.320	1.285	1.280	1.264	4.36
51) T	4-Methyl-2-Pen...	0.119	0.132	0.142	0.149	0.153	0.158	0.142	10.34
52) CM	Toluene	0.793	0.858	0.891	0.941	0.919	0.922	0.887	6.15#
53) T	t-1,3-Dichloro...	0.368	0.419	0.409	0.432	0.437	0.438	0.417	6.38
54) T	cis-1,3-Dichlo...	0.455	0.510	0.515	0.543	0.532	0.538	0.515	6.28
55) T	1,1,2-Trichlor...	0.278	0.283	0.275	0.273	0.262	0.258	0.271	3.53
56) T	Ethyl methacry...	0.219	0.250	0.265	0.300	0.309	0.317	0.277	13.82

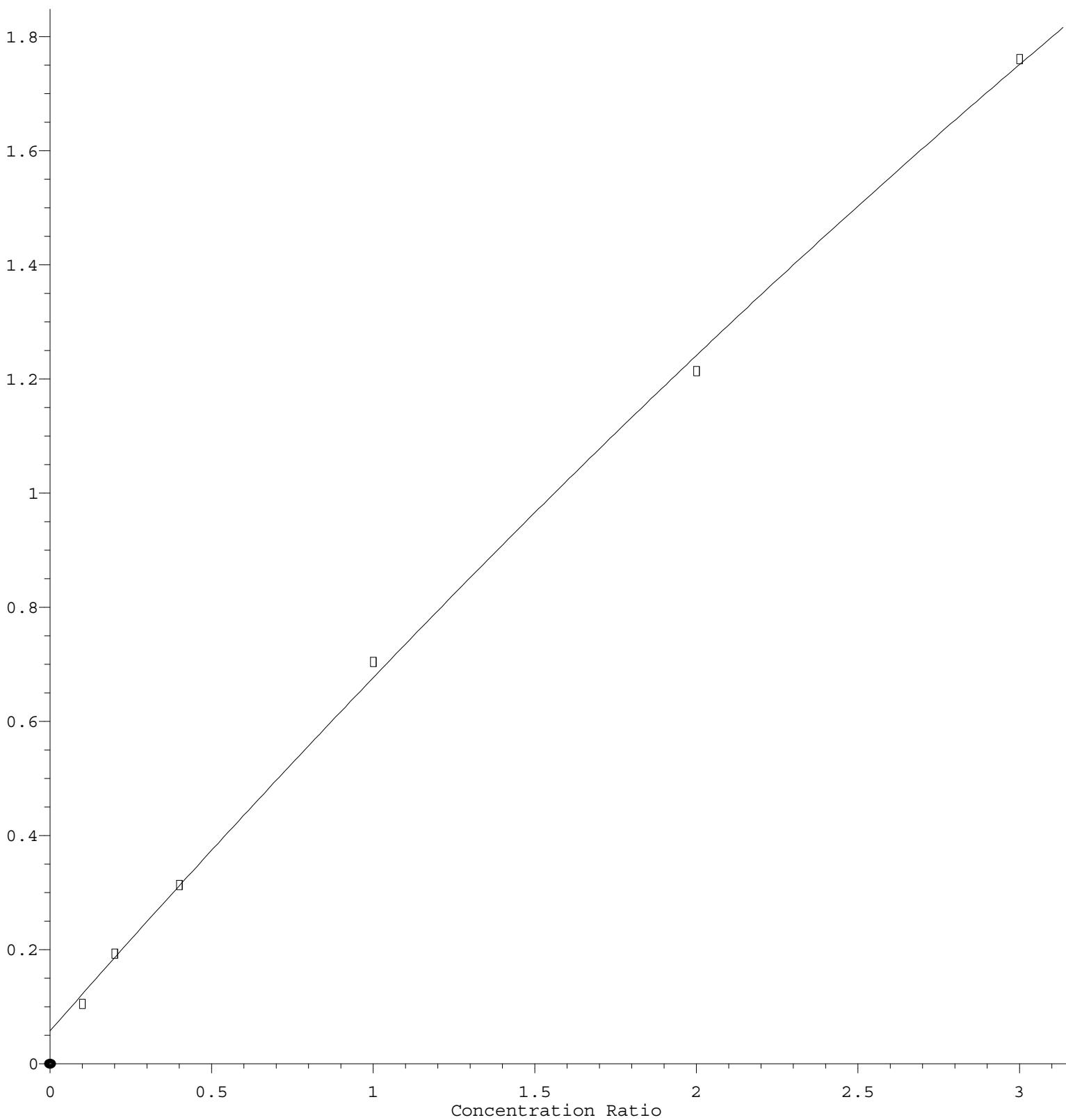
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57)	T	1,3-Dichloropr...	0.401	0.426	0.440	0.451	0.437	0.432	0.431	3.95
58)	T	2-Chloroethyl ...	0.103	0.104	0.117	0.119	0.126	0.128	0.116	9.14
59)	T	2-Hexanone	0.079	0.087	0.096	0.104	0.108	0.111	0.098	12.80
60)	T	Dibromochlorom...	0.294	0.313	0.311	0.317	0.310	0.302	0.308	2.72
61)	T	1,2-Dibromoethane	0.232	0.248	0.254	0.256	0.245	0.247	0.247	3.45
62)	S	4-Bromofluorob...	0.294	0.339	0.327	0.351	0.347	0.350	0.335	6.44
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.331	0.375	0.358	0.355	0.363	0.367	0.358	4.24
65)	PM	Chlorobenzene	1.055	1.106	1.059	1.061	1.075	1.071	1.071	1.76
66)	T	1,1,1,2-Tetrac...	0.344	0.369	0.356	0.363	0.363	0.363	0.360	2.42
67)	C	Ethyl Benzene	1.485	1.615	1.676	1.791	1.877	1.914	1.726	9.53#
68)	T	m/p-Xylenes	0.606	0.680	0.704	0.749	0.765	0.779	0.714	9.10
69)	T	o-Xylene	0.518	0.615	0.619	0.679	0.711	0.719	0.643	11.78
70)	T	Styrene	0.874	1.054	1.105	1.176	1.203	1.209	1.103	11.58
71)	P	Bromoform	0.180	0.191	0.201	0.200	0.199	0.194	0.194	4.21
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	2.812	2.951	3.057	3.374	3.500	3.512	3.201	9.38
74)	T	N-amyl acetate	0.466	0.490	0.524	0.574	0.607	0.632	0.549	12.05
75)	P	1,1,2,2-Tetrac...	0.628	0.648	0.643	0.652	0.639	0.635	0.641	1.41
76)	T	1,2,3-Trichlor...	0.532	0.437	0.449	0.429	0.445	0.508	0.467	9.11
77)	T	Bromobenzene	0.781	0.856	0.807	0.897	0.862	0.847	0.842	4.90
78)	T	n-propylbenzene	3.445	3.681	3.907	4.161	4.264	4.285	3.957	8.64
79)	T	2-Chlorotoluene	1.991	2.043	2.106	2.229	2.291	2.292	2.159	6.02
80)	T	1,3,5-Trimethy...	2.128	2.546	2.612	2.808	2.860	2.883	2.639	10.82
81)	T	trans-1,4-Dich...	0.163	0.188	0.193	0.200	0.211	0.214	0.195	9.57
82)	T	4-Chlorotoluene	2.115	2.230	2.265	2.378	2.406	2.397	2.298	5.04
83)	T	tert-Butylbenzene	1.840	2.038	2.180	2.305	2.449	2.468	2.213	11.07
84)	T	1,2,4-Trimethy...	2.112	2.446	2.625	2.837	2.906	2.891	2.636	11.87
85)	T	sec-Butylbenzene	2.893	3.237	3.339	3.518	3.694	3.747	3.404	9.36
86)	T	p-Isopropyltol...	2.315	2.605	2.756	2.955	3.127	3.173	2.822	11.67
87)	T	1,3-Dichlorobe...	1.578	1.737	1.700	1.749	1.730	1.686	1.697	3.69
88)	T	1,4-Dichlorobe...	1.782	1.751	1.732	1.724	1.683	1.635	1.718	3.03
89)	T	n-Butylbenzene	2.243	2.447	2.503	2.673	2.898	2.974	2.623	10.66
90)	T	Hexachloroethane	0.541	0.598	0.576	0.553	0.558	0.573	0.567	3.56
91)	T	1,2-Dichlorobe...	1.422	1.493	1.457	1.530	1.482	1.453	1.473	2.53
92)	T	1,2-Dibromo-3-...	0.087	0.082	0.085	0.085	0.085	0.084	0.085	1.84
93)	T	1,2,4-Trichlor...	0.753	0.809	0.789	0.903	0.939	0.944	0.856	9.68
94)	T	Hexachlorobuta...	0.392	0.399	0.412	0.411	0.444	0.453	0.419	5.89
95)	T	Naphthalene	1.291	1.378	1.483	1.720	1.856	1.875	1.600	15.67
96)	T	1,2,3-Trichlor...	0.695	0.666	0.698	0.813	0.839	0.832	0.757	10.39

(#) = Out of Range

Methylene Chloride

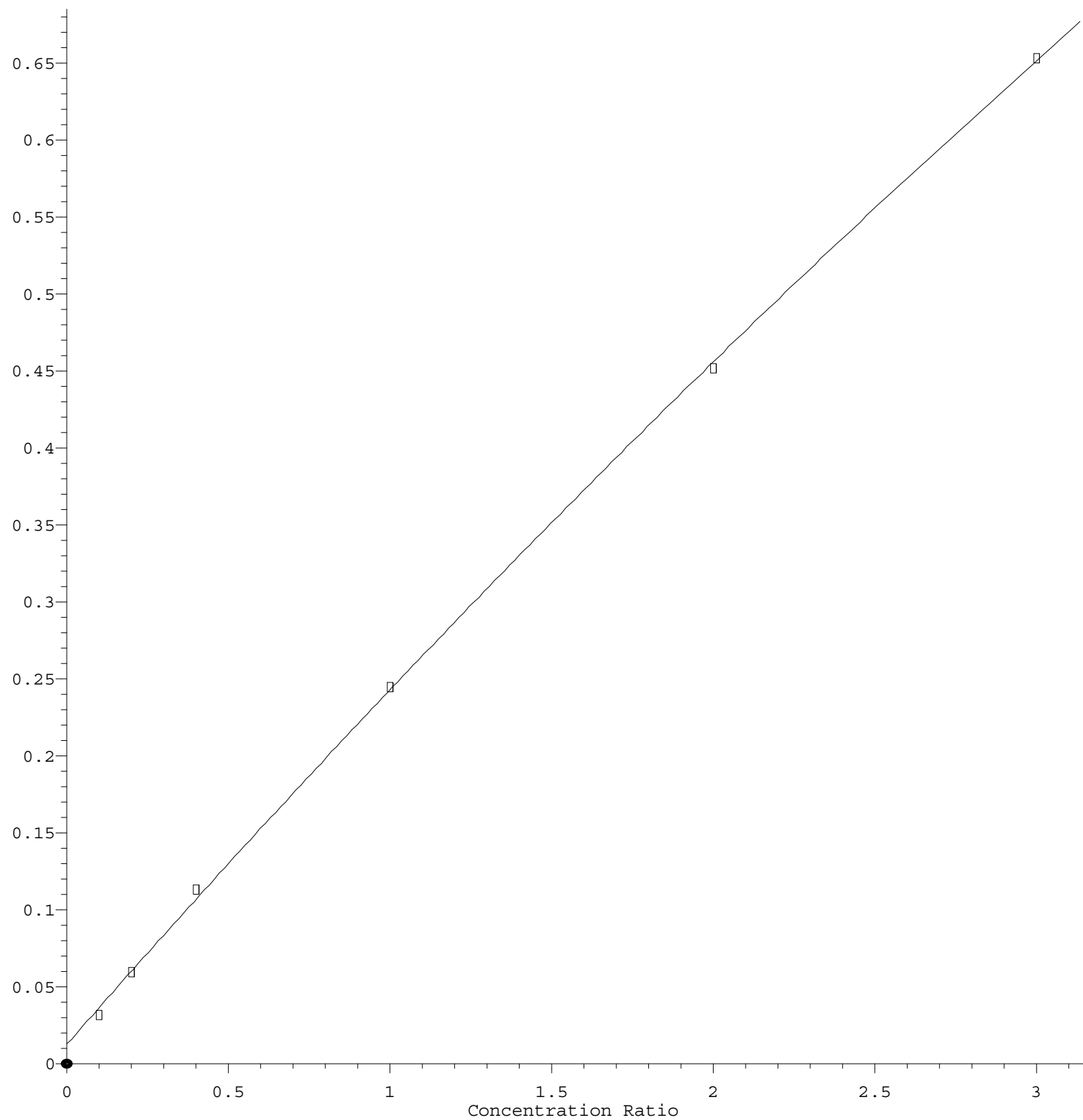
Response Ratio



$R = -2.726e-002 A^2 + 6.463e-001 A + 5.776e-002$
 Coef of Det (r^2) = 0.999102 Curve Fit: Quadratic
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Bromochloromethane

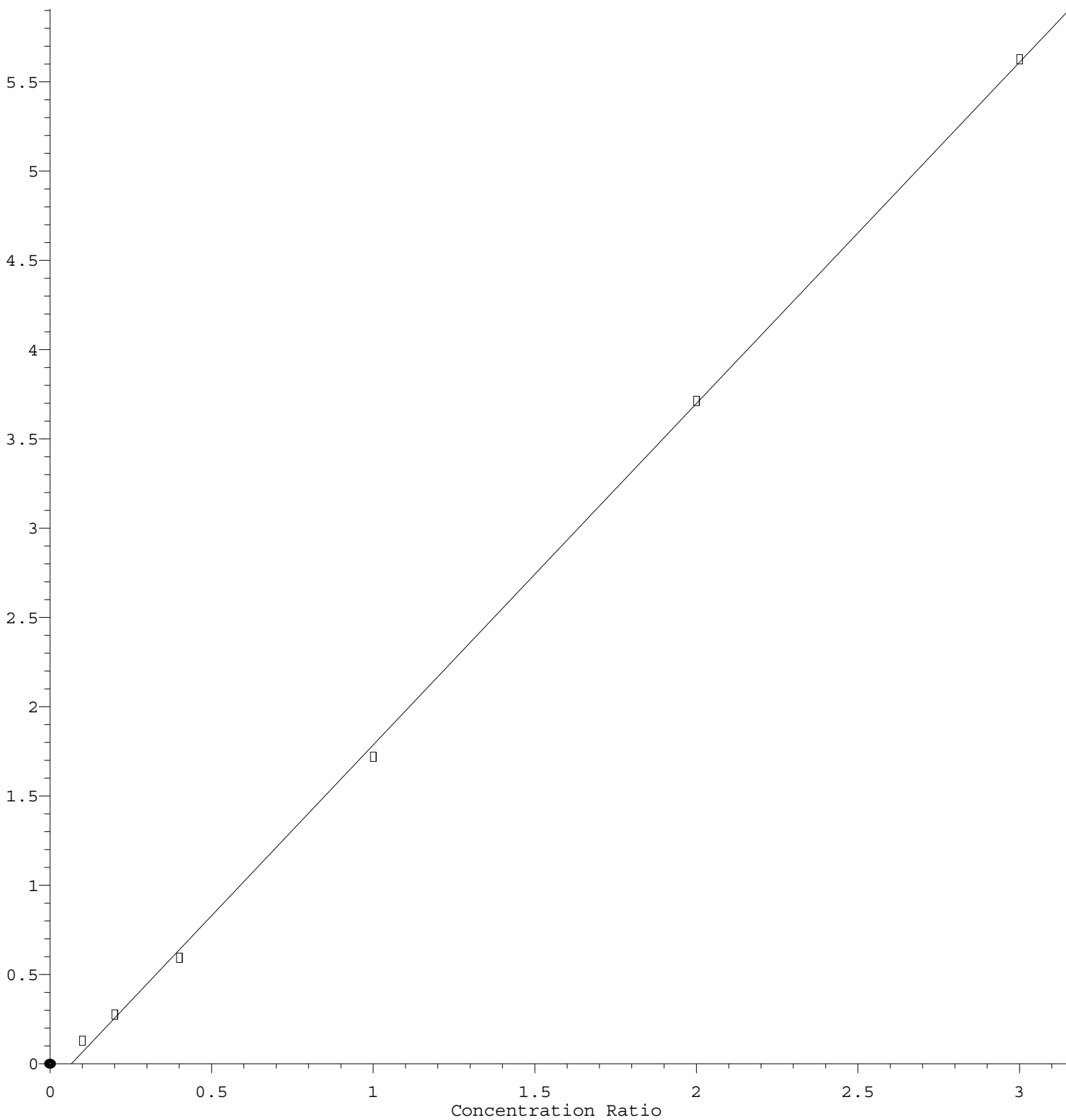
Response Ratio



$R = -8.619e-003 A^2 + 2.388e-001 A + 1.271e-002$
 Coef of Det (r^2) = 0.999720 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D060523S.M
 Calibration Table Last Updated: Tue Jun 06 02:52:23 2023

Naphthalene

Response Ratio



$$\text{Response} = 1.912\text{e}+000 * \text{Amt} - 1.259\text{e}-001$$

Coef of Det (r^2) = 0.999537 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D060523S.M

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