

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y060123S.M
 Title : SW846 8260
 Last Update : Fri Jun 02 07:00:14 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY013956.D 10 =VY013957.D 20 =VY013958.D 50 =VY013959.D 100 =VY013960.D 150 =VY013961.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.473	0.428	0.483	0.461	0.355	0.441	0.440	10.55
3) P	Chloromethane	0.663	0.636	0.608	0.615	0.572	0.561	0.609	6.30
4) C	Vinyl Chloride	0.615	0.546	0.578	0.584	0.510	0.554	0.564	6.40#
5) T	Bromomethane	0.552	0.491	0.500	0.438	0.472	0.496	0.492	7.62
6) T	Chloroethane	0.412	0.405	0.412	0.389	0.393	0.413	0.404	2.66
7) T	Trichlorofluor...	0.968	0.873	0.952	0.917	0.748	0.896	0.892	8.83
8) T	Diethyl Ether	0.381	0.353	0.321	0.350	0.363	0.332	0.350	6.17
9) T	1,1,2-Trichlor...	0.478	0.438	0.491	0.481	0.379	0.484	0.458	9.45
10) T	Methyl Iodide	0.554	0.585	0.598	0.692	0.693	0.669	0.632	9.48
11) T	Tert butyl alc...	0.291	0.160	0.112	0.081	0.093	0.079	0.136	59.81
12) CM	1,1-Dichloroet...	0.499	0.478	0.490	0.493	0.441	0.483	0.481	4.31#
13) T	Acrolein	0.071	0.070	0.067	0.053	0.059	0.055	0.062	12.48
14) T	Allyl chloride	0.913	0.915	0.890	0.965	0.964	0.949	0.933	3.34
15) T	Acrylonitrile	0.204	0.182	0.183	0.190	0.213	0.193	0.194	6.31
16) T	Acetone	0.230	0.208	0.193	0.246	0.259	0.223	0.226	10.74
17) T	Carbon Disulfide	1.690	1.646	1.654	1.656	1.518	1.588	1.625	3.83
18) T	Methyl Acetate	0.857	0.739	0.763	0.801	0.918	0.831	0.818	7.98
19) T	Methyl tert-bu...	1.518	1.505	1.444	1.587	1.705	1.571	1.555	5.76
20) T	Methylene Chlo...	0.980	0.809	0.616	0.633	0.614	0.567	0.703	22.62
21) T	trans-1,2-Dich...	0.551	0.553	0.541	0.556	0.534	0.532	0.544	1.90
22) T	Diisopropyl ether	1.711	1.777	1.732	1.887	1.928	1.814	1.808	4.75
23) T	Vinyl Acetate	1.059	1.052	1.062	1.179	1.267	1.185	1.134	7.89
24) P	1,1-Dichloroet...	1.043	1.033	0.987	1.017	1.002	0.973	1.009	2.67
25) T	2-Butanone	0.295	0.258	0.248	0.285	0.317	0.290	0.282	9.03
26) T	2,2-Dichloropr...	1.042	0.912	0.900	0.919	0.848	0.874	0.916	7.33
27) T	cis-1,2-Dichlo...	0.650	0.633	0.585	0.634	0.633	0.605	0.623	3.82
28) T	Bromochloromet...	0.451	0.504	0.484	0.478	0.488	0.454	0.477	4.30
29) T	Tetrahydrofuran	0.171	0.161	0.166	0.174	0.199	0.182	0.175	7.84
30) C	Chloroform	1.094	1.094	1.020	1.075	1.066	1.009	1.060	3.48#
31) T	Cyclohexane	0.945	0.767	0.825	0.794	0.640	0.811	0.797	12.33
32) T	1,1,1-Trichlor...	0.919	0.875	0.904	0.937	0.855	0.903	0.899	3.31
33) S	1,2-Dichloroet...	0.704	0.684	0.631	0.663	0.668	0.621	0.662	4.77
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.312	0.311	0.318	0.329	0.322	0.315	0.318	2.11
36) T	1,1-Dichloropr...	0.440	0.440	0.476	0.466	0.423	0.471	0.453	4.69
37) T	Ethyl Acetate	0.421	0.361	0.385	0.378	0.434	0.389	0.395	6.94
38) T	Carbon Tetrach...	0.517	0.493	0.543	0.520	0.454	0.517	0.507	5.99
39) T	Methylcyclohexane	0.451	0.424	0.529	0.519	0.422	0.555	0.483	11.99
40) TM	Benzene	1.406	1.409	1.405	1.412	1.379	1.368	1.397	1.30
41) T	Methacrylonitrile	0.186	0.191	0.182	0.167	0.192	0.176	0.182	5.29
42) TM	1,2-Dichloroet...	0.541	0.520	0.500	0.509	0.518	0.484	0.512	3.74
43) T	Isopropyl Acetate	0.649	0.612	0.637	0.657	0.736	0.697	0.665	6.74
44) TM	Trichloroethene	0.372	0.370	0.373	0.369	0.350	0.361	0.366	2.45
45) C	1,2-Dichloropr...	0.359	0.357	0.361	0.363	0.367	0.355	0.360	1.16#
46) T	Dibromomethane	0.236	0.230	0.227	0.230	0.238	0.223	0.231	2.47
47) T	Bromodichlorom...	0.528	0.524	0.504	0.524	0.530	0.508	0.520	2.08
48) T	Methyl methacr...	0.269	0.281	0.290	0.307	0.346	0.322	0.302	9.40
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.004	0.003	0.003	9.07
50) S	Toluene-d8	1.214	1.211	1.221	1.235	1.198	1.193	1.212	1.24
51) T	4-Methyl-2-Pen...	0.364	0.342	0.361	0.373	0.421	0.390	0.375	7.33
52) CM	Toluene	0.825	0.872	0.869	0.869	0.851	0.848	0.856	2.14#
53) T	t-1,3-Dichloro...	0.537	0.546	0.539	0.571	0.593	0.563	0.558	3.91
54) T	cis-1,3-Dichlo...	0.572	0.593	0.580	0.612	0.619	0.600	0.596	3.05
55) T	1,1,2-Trichlor...	0.309	0.302	0.300	0.303	0.315	0.295	0.304	2.36
56) T	Ethyl methacry...	0.384	0.403	0.412	0.455	0.497	0.470	0.437	9.98

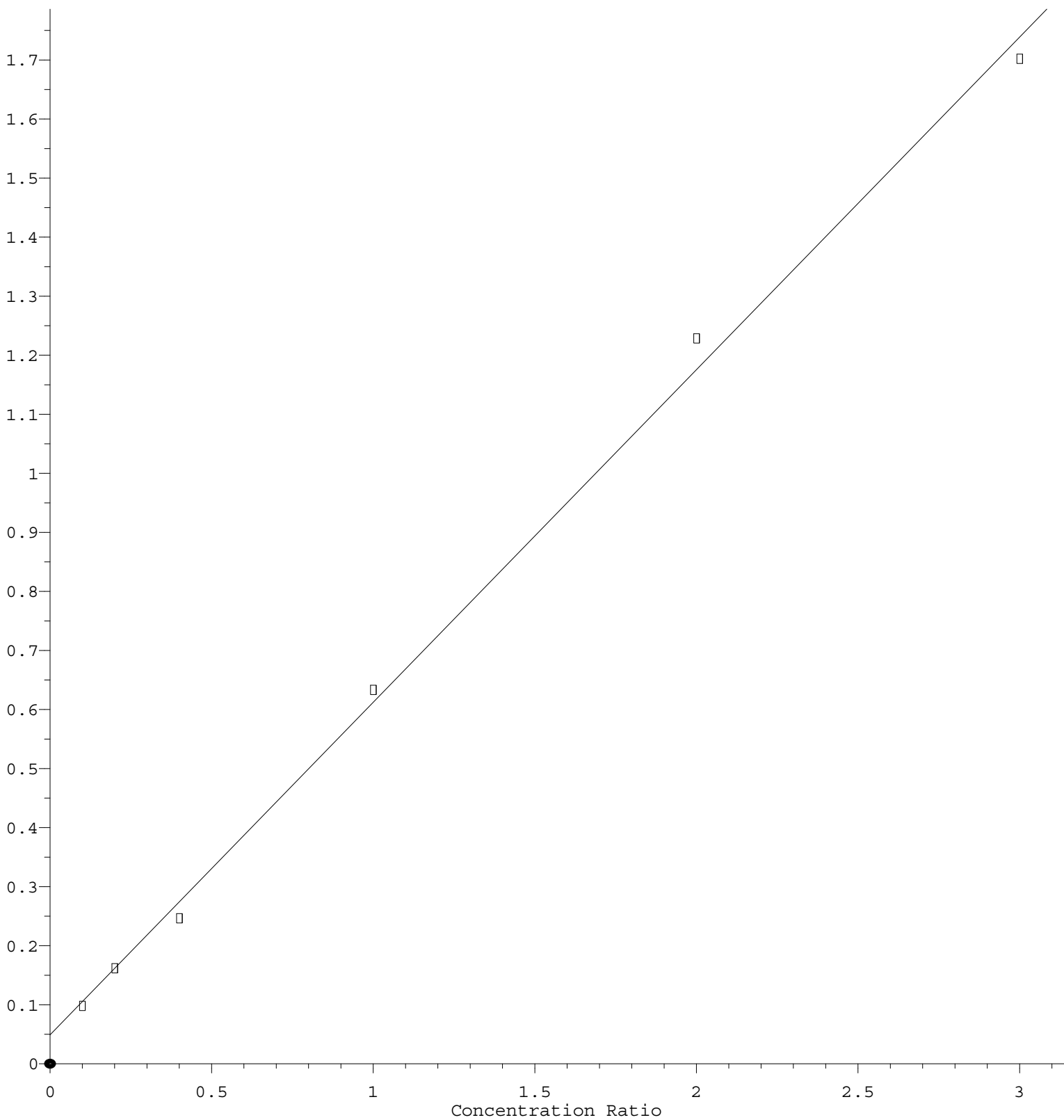
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y060123S.M

57)	T	1,3-Dichloropr...	0.516	0.508	0.514	0.526	0.542	0.513	0.520	2.35
58)	T	2-Chloroethyl ...	0.152	0.124	0.135	0.209	0.238	0.225	0.180	27.48
59)	T	2-Hexanone	0.246	0.241	0.262	0.282	0.313	0.287	0.272	10.08
60)	T	Dibromochlorom...	0.398	0.382	0.372	0.387	0.396	0.372	0.384	3.00
61)	T	1,2-Dibromoethane	0.315	0.304	0.294	0.304	0.317	0.300	0.306	2.91
62)	S	4-Bromofluorob...	0.420	0.399	0.410	0.423	0.419	0.408	0.413	2.19
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.345	0.339	0.364	0.349	0.316	0.343	0.343	4.48
65)	PM	Chlorobenzene	1.066	1.045	1.013	1.040	0.997	0.994	1.026	2.83
66)	T	1,1,1,2-Tetrac...	0.398	0.409	0.398	0.411	0.394	0.386	0.399	2.34
67)	C	Ethyl Benzene	1.655	1.769	1.798	1.855	1.755	1.822	1.776	3.90#
68)	T	m/p-Xylenes	0.629	0.679	0.698	0.710	0.668	0.685	0.678	4.17
69)	T	o-Xylene	0.597	0.646	0.654	0.686	0.657	0.659	0.650	4.49
70)	T	Styrene	1.018	1.091	1.111	1.195	1.149	1.133	1.116	5.36
71)	P	Bromoform	0.290	0.292	0.292	0.301	0.303	0.288	0.294	2.09
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.008	3.172	3.420	3.410	3.299	3.492	3.300	5.50
74)	T	N-amyl acetate	1.120	1.130	1.227	1.288	1.423	1.409	1.266	10.43
75)	P	1,1,2,2-Tetrac...	0.871	0.842	0.855	0.843	0.907	0.857	0.863	2.81
76)	T	1,2,3-Trichlor...	0.685	0.627	0.741	0.618	0.656	0.710	0.673	7.16
77)	T	Bromobenzene	0.862	0.911	0.887	0.899	0.908	0.886	0.892	2.00
78)	T	n-propylbenzene	3.579	3.912	4.263	4.198	4.034	4.283	4.045	6.66
79)	T	2-Chlorotoluene	2.251	2.392	2.454	2.430	2.407	2.434	2.394	3.07
80)	T	1,3,5-Trimethy...	2.562	2.768	2.953	2.933	2.833	2.921	2.829	5.23
81)	T	trans-1,4-Dich...	0.301	0.291	0.312	0.314	0.350	0.335	0.317	6.82
82)	T	4-Chlorotoluene	2.358	2.535	2.579	2.568	2.532	2.538	2.518	3.20
83)	T	tert-Butylbenzene	2.111	2.326	2.486	2.485	2.360	2.444	2.369	6.01
84)	T	1,2,4-Trimethy...	2.488	2.819	2.923	2.942	2.865	2.914	2.825	6.05
85)	T	sec-Butylbenzene	3.166	3.322	3.703	3.579	3.284	3.613	3.444	6.24
86)	T	p-Isopropyltol...	2.591	2.859	3.100	3.017	2.823	3.054	2.907	6.53
87)	T	1,3-Dichlorobe...	1.676	1.760	1.699	1.705	1.671	1.655	1.694	2.19
88)	T	1,4-Dichlorobe...	1.768	1.774	1.717	1.701	1.670	1.652	1.714	2.91
89)	T	n-Butylbenzene	2.484	2.569	2.895	2.887	2.654	2.971	2.743	7.31
90)	T	Hexachloroethane	0.608	0.626	0.632	0.607	0.577	0.611	0.610	3.12
91)	T	1,2-Dichlorobe...	1.529	1.624	1.580	1.569	1.553	1.510	1.561	2.57
92)	T	1,2-Dibromo-3-...	0.158	0.155	0.167	0.164	0.178	0.175	0.166	5.37
93)	T	1,2,4-Trichlor...	0.888	0.920	0.950	0.998	0.976	1.024	0.959	5.27
94)	T	Hexachlorobuta...	0.504	0.497	0.552	0.521	0.449	0.543	0.511	7.32
95)	T	Naphthalene	1.744	1.807	1.917	2.221	2.366	2.507	2.093	15.05
96)	T	1,2,3-Trichlor...	0.792	0.842	0.854	0.910	0.893	0.951	0.874	6.43

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.636\text{e-}001 * \text{Amt} + 4.893\text{e-}002$$

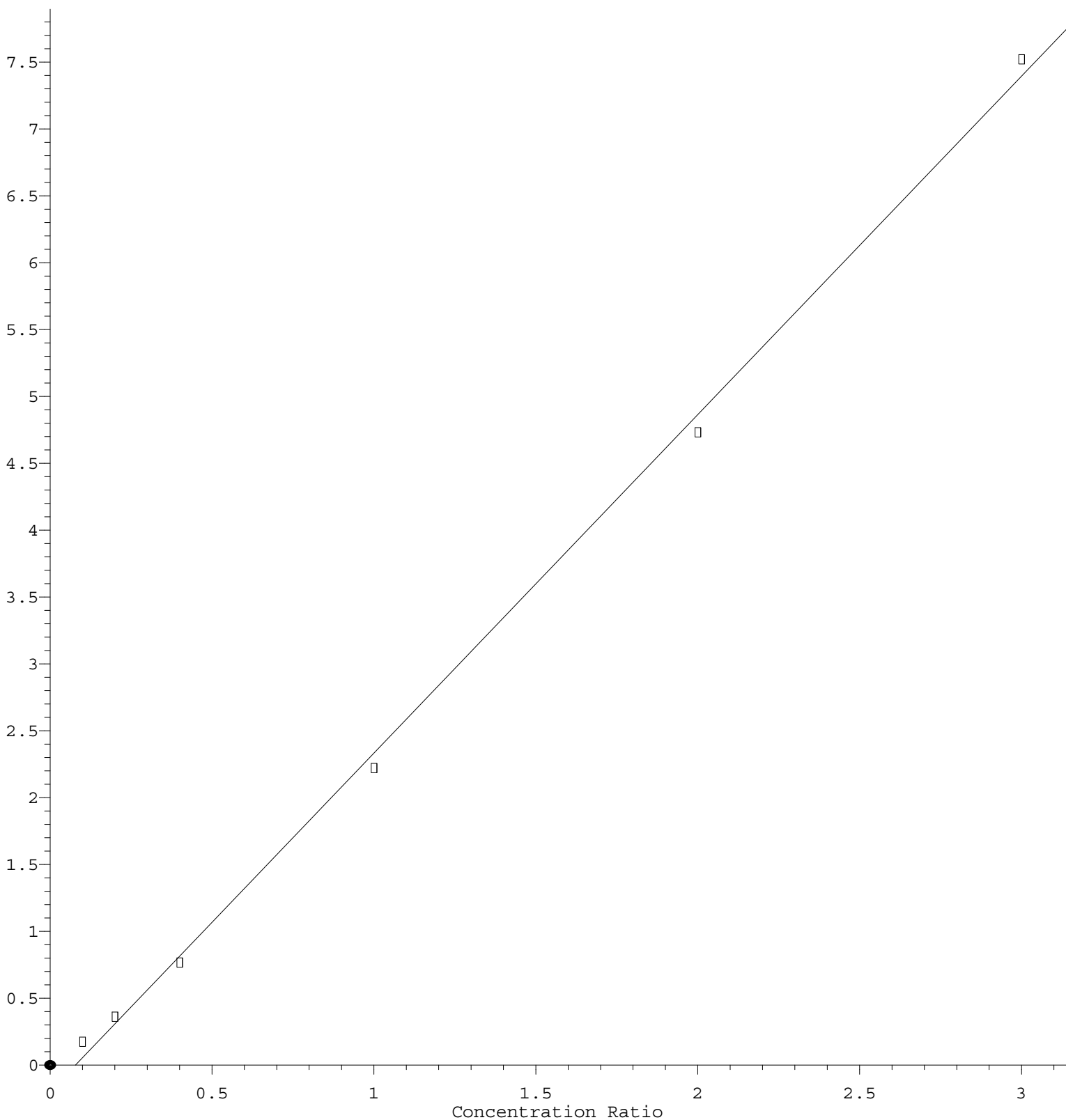
Coef of Det (r^2) = 0.997460 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y060123S.M

Calibration Table Last Updated: Fri Jun 02 07:00:14 2023

Naphthalene

Response Ratio



$$\text{Response} = 2.530\text{e}+000 * \text{Amt} - 1.964\text{e}-001$$

Coef of Det (r^2) = 0.998492 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y060123S.M

Calibration Table Last Updated: Fri Jun 02 07:00:14 2023