

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D041323S.M
 Title : SW846 8260
 Last Update : Thu Apr 13 14:16:29 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD075652.D 10 =VD075653.D 20 =VD075654.D 50 =VD075655.D 100 =VD075656.D 150 =VD075657.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.446	0.536	0.495	0.447	0.444	0.420	0.465	9.16
3) P	Chloromethane	0.943	0.939	0.884	0.803	0.762	0.702	0.839	11.79
4) C	Vinyl Chloride	1.172	1.300	1.154	1.075	1.016	0.963	1.113	10.90#
5) T	Bromomethane	0.974	0.968	0.862	0.822	0.816	0.772	0.869	9.70
6) T	Chloroethane	0.831	0.823	0.778	0.721	0.695	0.648	0.749	9.76
7) T	Trichlorofluor...	0.919	0.952	0.911	0.833	0.796	0.764	0.863	8.77
8) T	Diethyl Ether	0.261	0.277	0.261	0.256	0.276	0.280	0.268	3.88
9) T	1,1,2-Trichlor...	0.566	0.589	0.569	0.522	0.509	0.490	0.541	7.25
10) T	Methyl Iodide	0.671	0.735	0.748	0.765	0.792	0.730	0.740	5.49
11) T	Tert butyl alc...	0.026	0.023	0.024	0.023	0.023	0.025	0.024	4.68
12) CM	1,1-Dichloroet...	0.566	0.594	0.578	0.552	0.544	0.526	0.560	4.40#
13) T	Acrolein	0.049	0.048	0.049	0.046	0.048	0.048	0.048	1.90
14) T	Allyl chloride	0.530	0.523	0.506	0.512	0.504	0.484	0.510	3.13
15) T	Acrylonitrile	0.099	0.101	0.100	0.099	0.100	0.103	0.100	1.69
16) T	Acetone	0.095	0.083	0.080	0.093	0.087	0.083	0.087	6.82
17) T	Carbon Disulfide	1.984	2.029	1.864	1.771	1.718	1.631	1.833	8.46
18) T	Methyl Acetate	0.302	0.295	0.288	0.287	0.289	0.298	0.293	2.11
19) T	Methyl tert-bu...	0.991	1.049	1.054	1.106	1.150	1.171	1.087	6.25
20) T	Methylene Chlo...	1.186	0.895	0.768	0.674	0.653	0.626	0.800	26.61
21) T	trans-1,2-Dich...	0.680	0.681	0.684	0.661	0.655	0.642	0.667	2.56
22) T	Diisopropyl ether	1.085	1.162	1.183	1.183	1.172	1.130	1.153	3.34
23) T	Vinyl Acetate	0.384	0.530	0.539	0.569	0.593	0.598	0.535	14.77
24) P	1,1-Dichloroet...	0.990	1.027	0.979	0.934	0.919	0.881	0.955	5.57
25) T	2-Butanone	0.111	0.110	0.107	0.114	0.113	0.116	0.112	2.75
26) T	2,2-Dichloropr...	0.988	0.930	0.866	0.826	0.806	0.779	0.866	9.21
27) T	cis-1,2-Dichlo...	0.745	0.750	0.714	0.734	0.748	0.742	0.739	1.78
28) T	Bromochloromet...	0.332	0.323	0.311	0.288	0.285	0.272	0.302	7.84
29) T	Tetrahydrofuran	0.054	0.059	0.060	0.063	0.065	0.066	0.061	7.13
30) C	Chloroform	1.146	1.165	1.093	1.050	1.050	0.993	1.083	6.00#
31) T	Cyclohexane	0.834	0.816	0.771	0.713	0.691	0.643	0.745	10.02
32) T	1,1,1-Trichlor...	0.908	0.961	0.892	0.881	0.849	0.806	0.883	5.98
33) S	1,2-Dichloroet...	0.531	0.486	0.485	0.454	0.457	0.436	0.475	7.06
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.351	0.346	0.336	0.330	0.324	0.330	0.336	3.13
36) T	1,1-Dichloropr...	0.468	0.508	0.474	0.473	0.437	0.424	0.464	6.47
37) T	Ethyl Acetate	0.143	0.148	0.139	0.138	0.136	0.143	0.141	3.08
38) T	Carbon Tetrach...	0.386	0.426	0.423	0.418	0.398	0.401	0.409	3.97
39) T	Methylcyclohexane	0.462	0.526	0.542	0.568	0.567	0.555	0.536	7.40
40) TM	Benzene	1.464	1.499	1.458	1.446	1.405	1.380	1.442	2.99
41) T	Methacrylonitrile	0.067	0.069	0.061	0.063	0.074	0.073	0.068	7.36
42) TM	1,2-Dichloroet...	0.335	0.344	0.325	0.334	0.313	0.314	0.328	3.76
43) T	Isopropyl Acetate	0.236	0.255	0.259	0.265	0.258	0.272	0.257	4.65
44) TM	Trichloroethene	0.416	0.421	0.403	0.411	0.396	0.402	0.408	2.32
45) C	1,2-Dichloropr...	0.337	0.335	0.326	0.323	0.309	0.309	0.323	3.82#
46) T	Dibromomethane	0.205	0.207	0.204	0.206	0.202	0.205	0.205	0.95
47) T	Bromodichlorom...	0.480	0.487	0.461	0.470	0.460	0.457	0.469	2.58
48) T	Methyl methacr...	0.103	0.104	0.113	0.123	0.115	0.130	0.115	9.08
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	7.98
50) S	Toluene-d8	1.399	1.273	1.303	1.503	1.320	1.283	1.347	6.56
51) T	4-Methyl-2-Pen...	0.128	0.129	0.130	0.155	0.136	0.145	0.137	7.87
52) CM	Toluene	0.990	0.935	0.915	1.085	0.924	0.905	0.959	7.13#
53) T	t-1,3-Dichloro...	0.466	0.424	0.422	0.491	0.443	0.451	0.450	5.86
54) T	cis-1,3-Dichlo...	0.498	0.521	0.519	0.596	0.534	0.538	0.534	6.20
55) T	1,1,2-Trichlor...	0.333	0.289	0.282	0.315	0.280	0.282	0.297	7.38
56) T	Ethyl methacry...	0.274	0.244	0.272	0.339	0.304	0.320	0.292	12.06

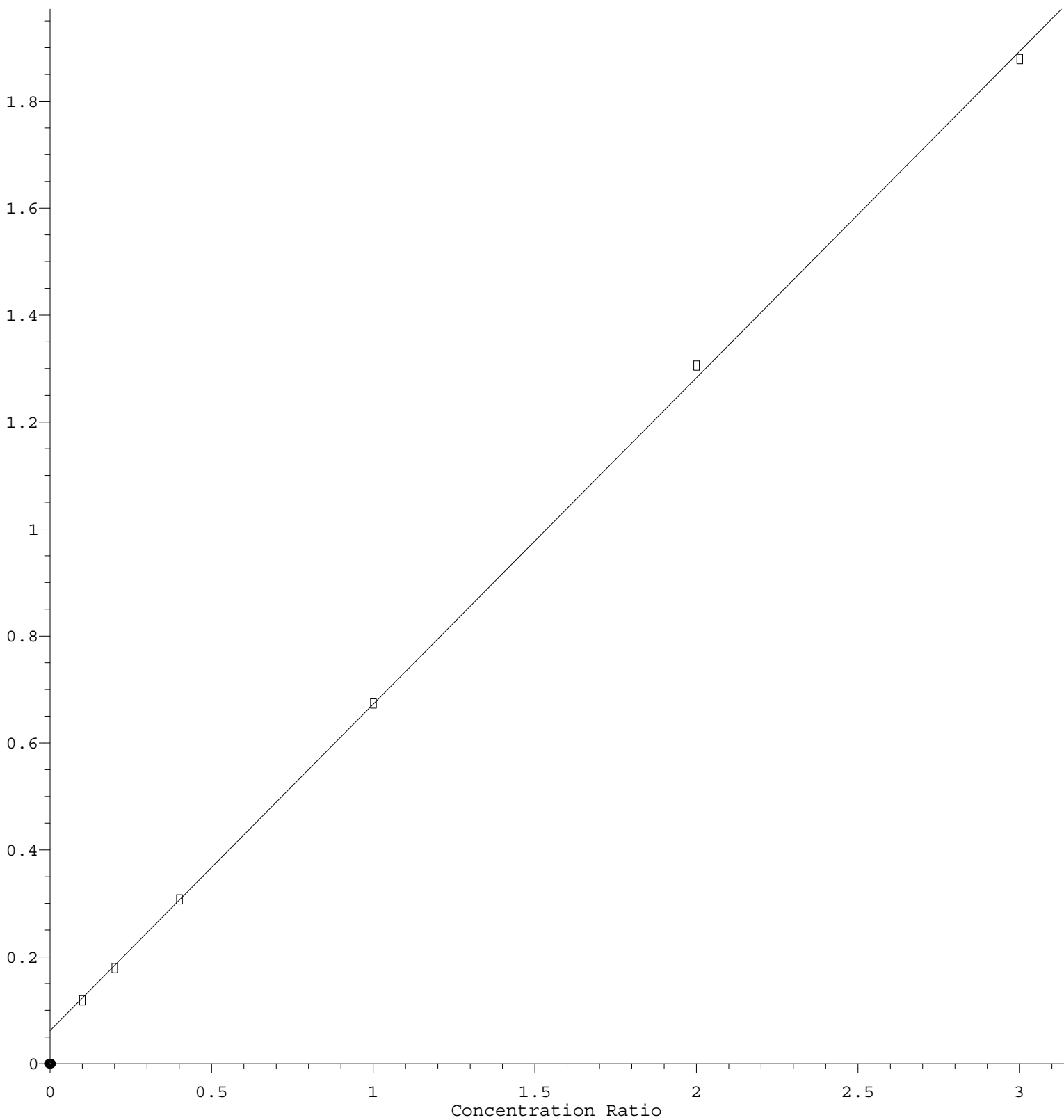
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D041323S.M

57)	T	1,3-Dichloropr...	0.483	0.444	0.431	0.474	0.432	0.440	0.451	4.96
58)	T	2-Chloroethyl ...	0.095	0.112	0.127	0.142	0.136	0.141	0.125	15.00
59)	T	2-Hexanone	0.092	0.083	0.091	0.110	0.100	0.103	0.097	9.96
60)	T	Dibromochlorom...	0.378	0.326	0.327	0.374	0.339	0.341	0.347	6.59
61)	T	1,2-Dibromoethane	0.306	0.272	0.271	0.303	0.270	0.277	0.283	5.94
62)	S	4-Bromofluorob...	0.329	0.337	0.364	0.376	0.376	0.366	0.358	5.61
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.363	0.354	0.347	0.423	0.340	0.335	0.360	8.94
65)	PM	Chlorobenzene	1.063	1.089	1.065	1.089	1.060	1.060	1.071	1.31
66)	T	1,1,1,2-Tetrac...	0.357	0.364	0.372	0.377	0.366	0.373	0.368	1.99
67)	C	Ethyl Benzene	1.483	1.721	1.763	1.899	1.790	1.773	1.738	7.97#
68)	T	m/p-Xylenes	0.587	0.706	0.729	0.778	0.744	0.730	0.712	9.25
69)	T	o-Xylene	0.465	0.620	0.655	0.722	0.708	0.694	0.644	14.77
70)	T	Styrene	0.748	1.071	1.124	1.252	1.208	1.175	1.097	16.61
71)	P	Bromoform	0.139	0.198	0.192	0.206	0.207	0.215	0.192	14.31
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	2.998	3.336	3.358	3.515	3.107	3.374	3.281	5.82
74)	T	N-amyl acetate	0.426	0.493	0.475	0.502	0.459	0.538	0.482	7.94
75)	P	1,1,2,2-Tetrac...	0.676	0.680	0.647	0.630	0.561	0.632	0.637	6.76
76)	T	1,2,3-Trichlor...	0.384	0.506	0.454	0.358	0.385	0.359	0.408	14.59
77)	T	Bromobenzene	0.837	0.877	0.818	0.846	0.795	0.903	0.846	4.60
78)	T	n-propylbenzene	3.828	4.230	4.163	4.275	3.668	3.971	4.022	6.02
79)	T	2-Chlorotoluene	2.204	2.392	2.318	2.301	2.259	2.216	2.281	3.09
80)	T	1,3,5-Trimethy...	2.392	2.744	2.835	2.887	2.785	2.771	2.736	6.42
81)	T	trans-1,4-Dich...	0.166	0.196	0.195	0.200	0.173	0.199	0.188	7.79
82)	T	4-Chlorotoluene	2.313	2.492	2.497	2.395	2.270	2.266	2.372	4.45
83)	T	tert-Butylbenzene	2.067	2.292	2.314	2.445	2.332	2.389	2.307	5.63
84)	T	1,2,4-Trimethy...	2.369	2.760	2.864	2.921	2.730	2.826	2.745	7.17
85)	T	sec-Butylbenzene	3.216	3.665	3.692	3.777	3.462	3.538	3.558	5.68
86)	T	p-Isopropyltol...	2.575	2.925	3.016	3.180	3.024	3.055	2.962	6.98
87)	T	1,3-Dichlorobe...	1.760	1.791	1.729	1.786	1.733	1.761	1.760	1.47
88)	T	1,4-Dichlorobe...	1.832	1.762	1.733	1.730	1.667	1.708	1.739	3.18
89)	T	n-Butylbenzene	2.477	2.739	2.841	2.873	2.717	2.726	2.729	5.11
90)	T	Hexachloroethane	0.615	0.642	0.592	0.576	0.544	0.564	0.589	6.04
91)	T	1,2-Dichlorobe...	1.490	1.522	1.470	1.508	1.528	1.528	1.508	1.56
92)	T	1,2-Dibromo-3-...	0.090	0.093	0.086	0.083	0.076	0.085	0.085	7.04
93)	T	1,2,4-Trichlor...	0.828	1.028	0.791	0.847	0.817	0.952	0.877	10.54
94)	T	Hexachlorobuta...	0.403	0.537	0.401	0.390	0.367	0.418	0.419	14.36
95)	T	Naphthalene	1.379	1.830	1.466	1.662	1.639	1.995	1.662	13.67
96)	T	1,2,3-Trichlor...	0.698	0.940	0.706	0.732	0.714	0.842	0.772	12.67

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 6.105\text{e-}001 * \text{Amt} + 6.205\text{e-}002$$

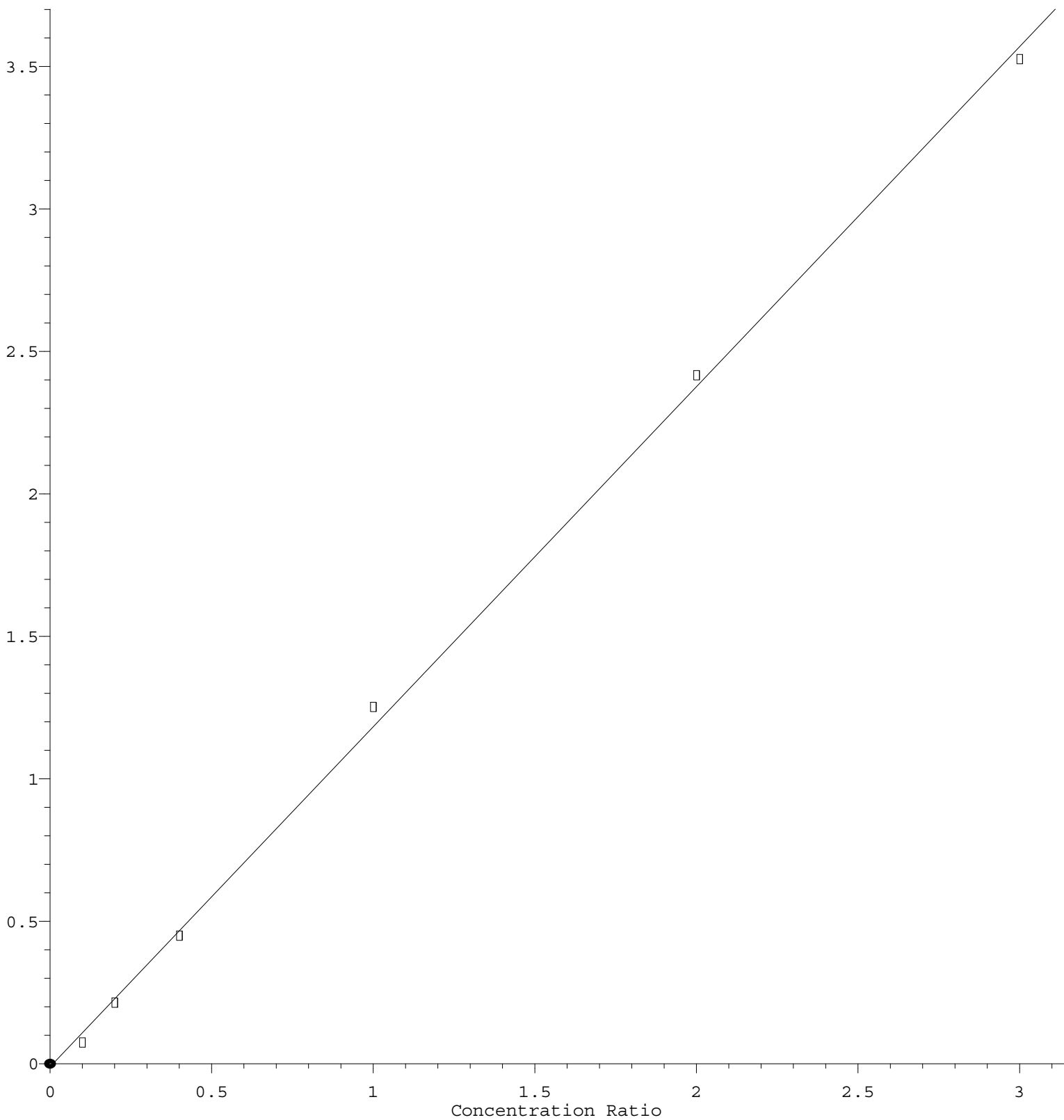
Coef of Det (r^2) = 0.999686 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D041323S.M

Calibration Table Last Updated: Thu Apr 13 14:16:29 2023

Styrene

Response Ratio



$$\text{Response} = 1.194\text{e}+000 * \text{Amt} - 1.108\text{e}-002$$

Coef of Det (r^2) = 0.998955 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D041323S.M

Calibration Table Last Updated: Thu Apr 13 14:16:29 2023