

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X071222W.M
 Title : SW846 8260
 Last Update : Wed Jul 13 09:05:23 2022
 Response Via : Initial Calibration

Calibration Files

1 =VX030011.D 5 =VX030012.D 20 =VX030014.D 50 =VX030015.D 100 =VX030016.D 10 =VX030013.D

	Compound	1	5	20	50	100	10	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.360	0.429	0.608	0.630	0.547	0.609	0.530	20.92
3) P	Chloromethane	0.457	0.411	0.562	0.597	0.526	0.573	0.521	13.93
4) C	Vinyl Chloride	0.530	0.489	0.629	0.643	0.574	0.606	0.579	10.36#
5) T	Bromomethane		0.218	0.261	0.237	0.211	0.302	0.246	14.98
6) T	Chloroethane	0.331	0.287	0.342	0.356	0.289	0.349	0.326	9.27
7) T	Trichlorofluor...	0.646	0.686	0.793	0.830	0.721	0.808	0.747	9.87
8) T	Diethyl Ether	0.270	0.321	0.312	0.333	0.290	0.328	0.309	7.85
9) T	1,1,2-Trichlor...	0.520	0.471	0.523	0.548	0.478	0.521	0.510	5.81
10) T	Methyl Iodide		0.256	0.422	0.540	0.506	0.373	0.419	26.86
11) T	Tert butyl alc...		0.194	0.148	0.155	0.137	0.152	0.157	13.79
12) CM	1,1-Dichloroet...	0.435	0.475	0.547	0.564	0.494	0.541	0.509	9.73#
13) T	Acrolein		0.037	0.030	0.031	0.029	0.030	0.031	10.52
14) T	Allyl chloride	0.800	0.858	0.917	0.975	0.865	0.927	0.890	6.93
15) T	Acrylonitrile	0.323	0.355	0.369	0.386	0.339	0.369	0.357	6.46
16) T	Acetone	0.300	0.282	0.282	0.298	0.265	0.294	0.287	4.57
17) T	Carbon Disulfide	0.905	0.880	1.468	1.566	1.385	1.484	1.282	23.95
18) T	Methyl Acetate	0.926	0.953	0.840	0.889	0.786	0.841	0.872	7.10
19) T	Methyl tert-bu...	1.399	1.627	1.661	1.760	1.559	1.655	1.610	7.60
20) T	Methylene Chlo...	0.866	0.675	0.612	0.644	0.553	0.631	0.663	16.13
21) T	trans-1,2-Dich...	0.423	0.492	0.567	0.591	0.527	0.586	0.531	12.22
22) T	Diisopropyl ether	1.630	1.688	1.776	1.886	1.700	1.777	1.743	5.16
23) T	Vinyl Acetate	1.179	1.376	1.552	1.680	1.514	1.551	1.475	11.85
24) P	1,1-Dichloroet...	0.919	0.944	0.983	1.037	0.915	0.996	0.966	4.97
25) T	2-Butanone	0.469	0.476	0.489	0.525	0.474	0.497	0.488	4.21
26) T	2,2-Dichloropr...	0.652	0.667	0.680	0.729	0.640	0.703	0.678	4.89
27) T	cis-1,2-Dichlo...	0.609	0.634	0.650	0.707	0.618	0.683	0.650	5.83
28) T	Bromochloromet...	0.399	0.400	0.437	0.437	0.378	0.386	0.406	6.26
29) T	Tetrahydrofuran	0.308	0.328	0.336	0.357	0.322	0.338	0.332	5.02
30) C	Chloroform	0.895	0.979	0.970	1.034	0.919	0.976	0.962	5.12#
31) T	Cyclohexane		0.733	0.921	0.970	0.853	0.934	0.882	10.57
32) T	1,1,1-Trichlor...	0.725	0.752	0.800	0.861	0.761	0.821	0.786	6.38
33) S	1,2-Dichloroet...		0.613	0.565	0.623	0.562	0.681	0.609	8.01
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.331	0.298	0.324	0.288	0.356	0.319	8.50
36) T	1,1-Dichloropr...	0.390	0.381	0.434	0.440	0.390	0.439	0.413	6.84
37) T	Ethyl Acetate	0.517	0.519	0.533	0.569	0.515	0.529	0.530	3.80
38) T	Carbon Tetrach...	0.355	0.376	0.393	0.415	0.367	0.403	0.385	5.91
39) T	Methylcyclohexane	0.402	0.480	0.574	0.590	0.515	0.578	0.523	13.99
40) TM	Benzene	1.141	1.235	1.370	1.419	1.247	1.381	1.299	8.29
41) T	Methacrylonitrile	0.269	0.281	0.296	0.314	0.276	0.276	0.285	5.88
42) TM	1,2-Dichloroet...	0.392	0.385	0.414	0.430	0.384	0.410	0.402	4.63
43) T	Isopropyl Acetate	0.729	0.802	0.809	0.862	0.775	0.807	0.797	5.49
44) TM	Trichloroethene	0.399	0.379	0.379	0.394	0.339	0.386	0.379	5.68
45) C	1,2-Dichloropr...	0.303	0.334	0.346	0.362	0.315	0.365	0.338	7.42#
46) T	Dibromomethane	0.217	0.229	0.235	0.252	0.217	0.243	0.232	6.05
47) T	Bromodichlorom...	0.378	0.420	0.440	0.451	0.404	0.436	0.422	6.39
48) T	Methyl methacr...	0.301	0.356	0.397	0.414	0.366	0.374	0.368	10.57
49) T	1,4-Dioxane	0.008	0.009	0.010	0.010	0.009	0.010	0.010	9.40
50) S	Toluene-d8		1.146	1.152	1.247	1.111	1.350	1.201	8.10
51) T	4-Methyl-2-Pen...	0.474	0.535	0.547	0.572	0.497	0.540	0.528	6.82
52) CM	Toluene	0.774	0.811	0.853	0.885	0.767	0.858	0.825	5.87#
53) T	t-1,3-Dichloro...	0.359	0.435	0.449	0.490	0.448	0.446	0.438	9.80
54) T	cis-1,3-Dichlo...	0.434	0.484	0.528	0.552	0.494	0.518	0.502	8.22
55) T	1,1,2-Trichlor...	0.303	0.349	0.349	0.366	0.315	0.359	0.340	7.40
56) T	Ethyl methacry...	0.400	0.499	0.533	0.580	0.518	0.538	0.511	11.91

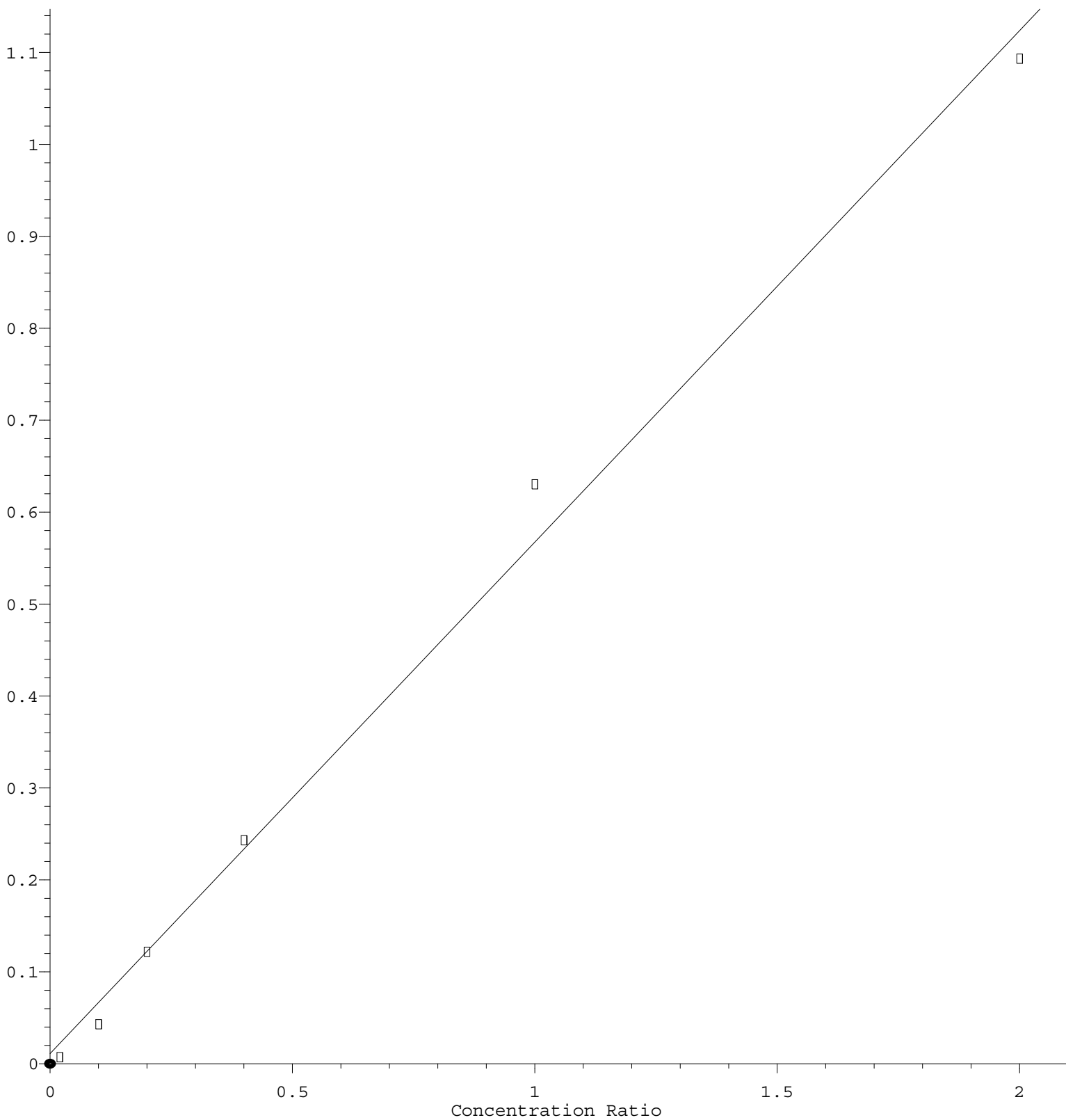
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X071222W.M

57)	T	1,3-Dichloropr...	0.466	0.556	0.562	0.588	0.510	0.559	0.540	8.17
58)	T	2-Chloroethyl ...	0.279	0.214	0.295	0.315	0.270	0.292	0.278	12.56
59)	T	2-Hexanone	0.335	0.406	0.424	0.448	0.392	0.423	0.405	9.64
60)	T	Dibromochlorom...	0.278	0.351	0.338	0.361	0.322	0.337	0.331	8.78
61)	T	1,2-Dibromoethane	0.325	0.357	0.366	0.384	0.336	0.355	0.354	5.90
62)	S	4-Bromofluorob...	0.389	0.386	0.438	0.400	0.471	0.417		8.81
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.362	0.410	0.416	0.429	0.355	0.437	0.401	8.61
65)	PM	Chlorobenzene	0.938	1.004	1.035	1.058	0.916	1.023	0.996	5.66
66)	T	1,1,1,2-Tetrac...	0.306	0.350	0.350	0.366	0.324	0.342	0.339	6.32
67)	C	Ethyl Benzene	1.376	1.691	1.765	1.869	1.636	1.788	1.687	10.22#
68)	T	m/p-Xylenes	0.559	0.659	0.702	0.728	0.630	0.694	0.662	9.22
69)	T	o-Xylene	0.551	0.672	0.693	0.727	0.624	0.710	0.663	9.88
70)	T	Styrene	0.945	1.103	1.147	1.203	1.062	1.140	1.100	8.13
71)	P	Bromoform	0.261	0.281	0.269	0.294	0.268	0.264	0.273	4.58
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.742	3.577	3.694	3.789	3.372	3.714	3.481	11.21
74)	T	N-amyl acetate	1.273	1.483	1.555	1.728	1.607	1.529	1.529	9.88
75)	P	1,1,2,2-Tetrac...	1.216	1.310	1.262	1.293	1.158	1.298	1.256	4.68
76)	T	1,2,3-Trichlor...	1.056	1.229	1.170	1.199	1.061	1.183	1.150	6.37
77)	T	Bromobenzene	0.818	0.909	0.896	0.910	0.805	0.888	0.871	5.37
78)	T	n-propylbenzene	3.473	4.091	4.307	4.518	4.074	4.318	4.130	8.76
79)	T	2-Chlorotoluene	2.212	2.577	2.518	2.611	2.348	2.576	2.474	6.42
80)	T	1,3,5-Trimethy...	2.520	3.034	3.057	3.160	2.788	3.043	2.934	8.07
81)	T	trans-1,4-Dich...	0.371	0.397	0.432	0.410	0.381	0.398		6.08
82)	T	4-Chlorotoluene	2.442	2.840	2.859	2.951	2.674	2.866	2.772	6.69
83)	T	tert-Butylbenzene	2.456	2.967	2.907	2.997	2.649	2.903	2.813	7.60
84)	T	1,2,4-Trimethy...	2.420	2.911	3.018	3.192	2.813	3.057	2.902	9.28
85)	T	sec-Butylbenzene	3.138	3.713	3.895	4.055	3.643	3.870	3.719	8.59
86)	T	p-Isopropyltol...	2.571	2.957	3.087	3.297	2.917	3.073	2.984	8.11
87)	T	1,3-Dichlorobe...	1.411	1.626	1.652	1.731	1.523	1.714	1.609	7.59
88)	T	1,4-Dichlorobe...	1.668	1.693	1.661	1.730	1.518	1.641	1.652	4.37
89)	T	n-Butylbenzene	2.054	2.638	2.822	3.057	2.745	2.724	2.673	12.53
90)	T	Hexachloroethane	0.418	0.525	0.519	0.563	0.517	0.517	0.510	9.53
91)	T	1,2-Dichlorobe...	1.605	1.739	1.635	1.688	1.464	1.680	1.635	5.85
92)	T	1,2-Dibromo-3-...	0.267	0.287	0.286	0.314	0.287	0.280	0.287	5.37
93)	T	1,2,4-Trichlor...	0.956	0.963	1.035	1.082	0.962	1.028	1.004	5.13
94)	T	Hexachlorobuta...	0.455	0.396	0.383	0.419	0.360	0.392	0.401	8.22
95)	T	Naphthalene	3.884	3.980	4.063	4.278	3.789	3.926	3.987	4.26
96)	T	1,2,3-Trichlor...	0.912	1.062	1.035	1.113	0.987	1.022	1.022	6.69

(#) = Out of Range

Dichlorodifluoromethane

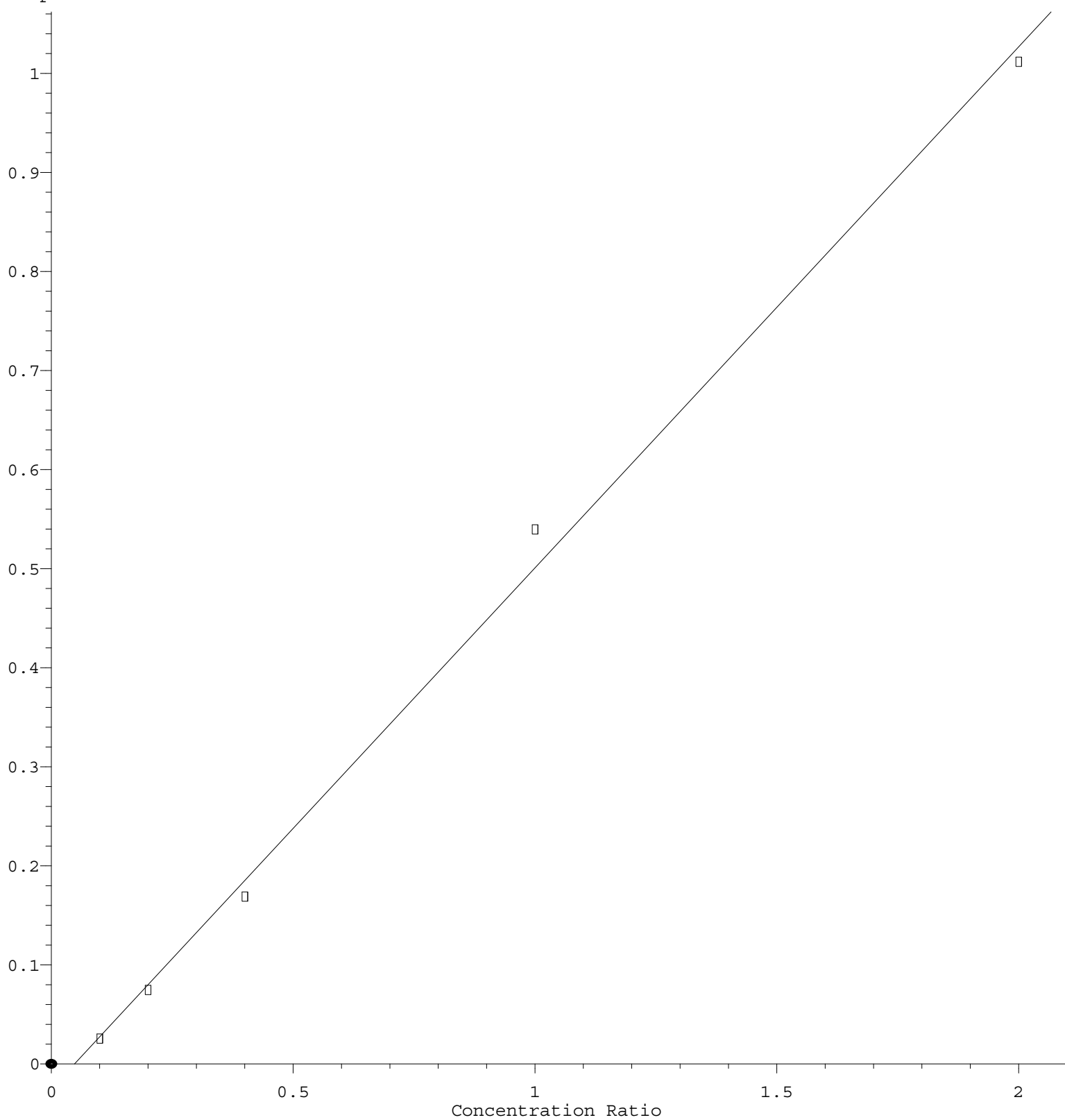
Response Ratio



Response = 5.567e-001 * Amt + 1.121e-002
 Coef of Det (r^2) = 0.993641 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X071222W.M
 Calibration Table Last Updated: Wed Jul 13 09:05:23 2022

Methyl Iodide

Response Ratio



$$\text{Response} = 5.263\text{e-}001 * \text{Amt} - 2.534\text{e-}002$$

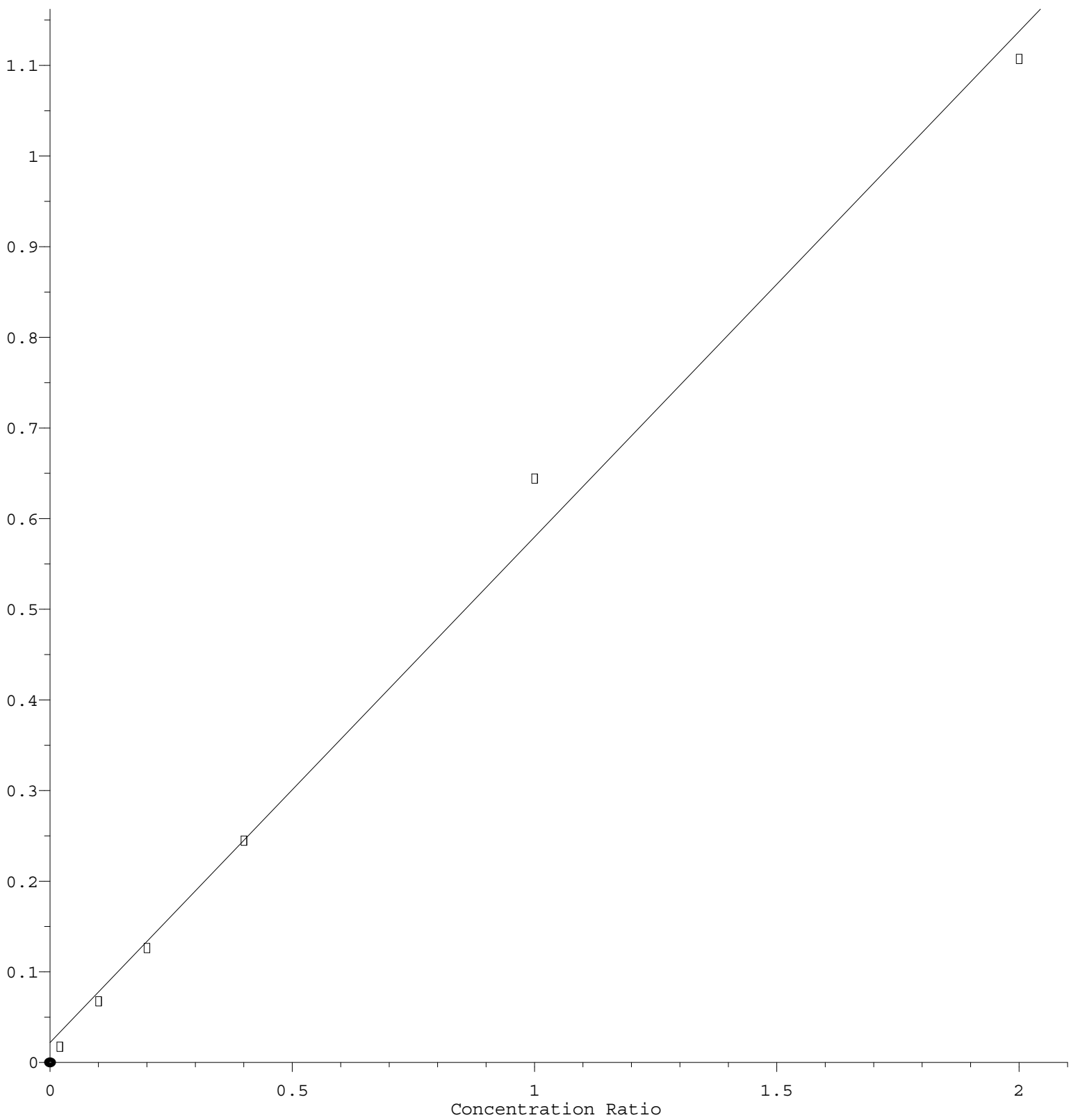
Coef of Det (r^2) = 0.997040 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X071222W.M

Calibration Table Last Updated: Wed Jul 13 09:05:23 2022

Methylene Chloride

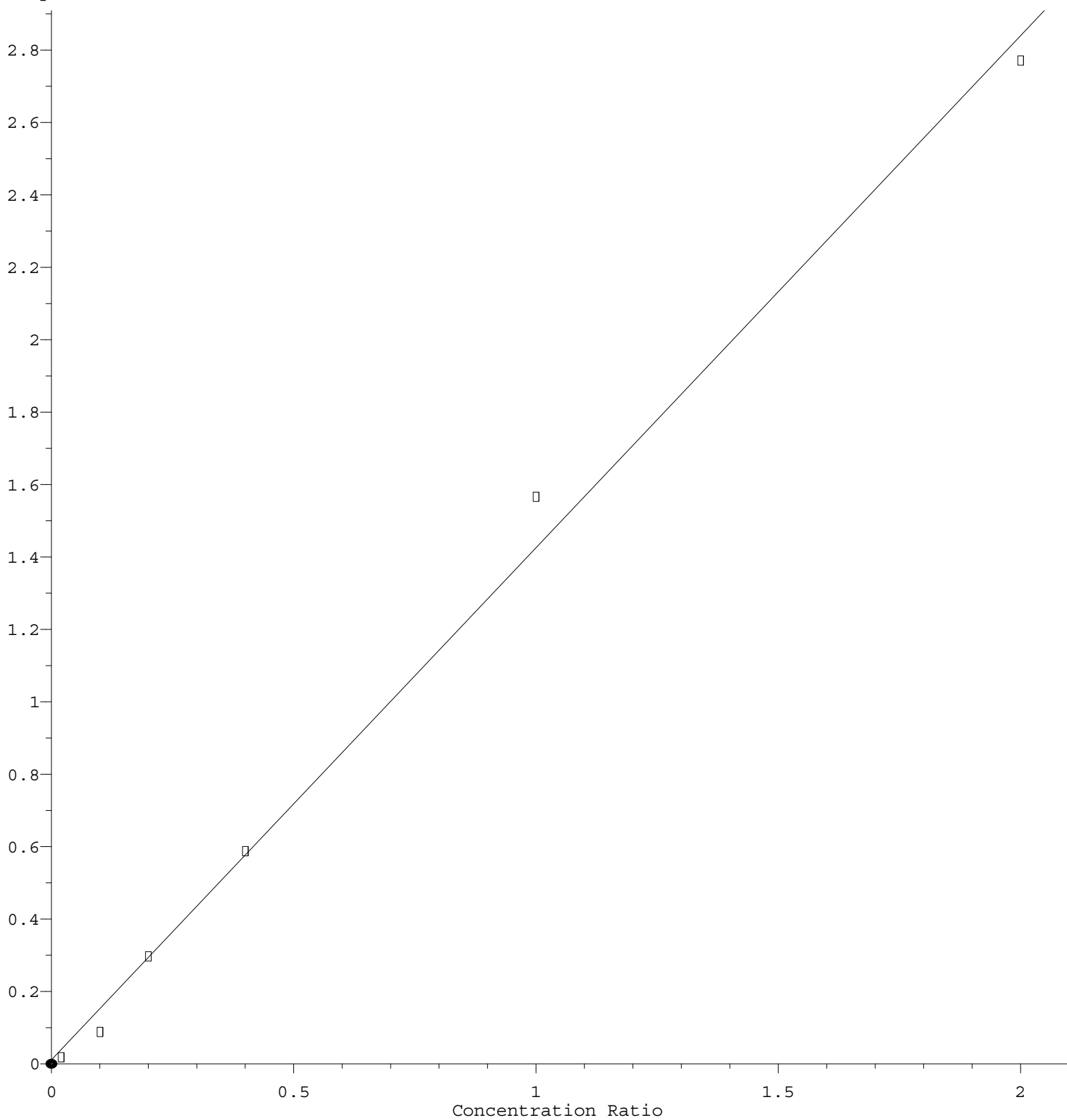
Response Ratio



Response = 5.579e-001 * Amt + 2.189e-002
 Coef of Det (r^2) = 0.993970 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X071222W.M
 Calibration Table Last Updated: Wed Jul 13 09:05:23 2022

Carbon Disulfide

Response Ratio



$$\text{Response} = 1.415\text{e}+000 * \text{Amt} + 1.074\text{e}-002$$

Coef of Det (r^2) = 0.994988 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X071222W.M

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