

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X091123W.M
 Title : SW846 8260
 Last Update : Tue Sep 12 10:10:04 2023
 Response Via : Initial Calibration

Calibration Files

1 =VX037653.D 5 =VX037652.D 20 =VX037647.D 50 =VX037648.D 100 =VX037649.D 150 =VX037650.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.610	0.576	0.542	0.548	0.502	0.512	0.548	7.34
3) P	Chloromethane	0.756	0.673	0.629	0.604	0.531	0.555	0.625	13.14
4) C	Vinyl Chloride	0.844	0.738	0.706	0.686	0.625	0.617	0.703	11.92#
5) T	Bromomethane		0.654	0.615	0.596	0.560	0.513	0.588	9.12
6) T	Chloroethane	0.587	0.498	0.533	0.447	0.440	0.393	0.483	14.56
7) T	Trichlorofluor...	1.234	1.264	1.235	1.203	1.102	0.936	1.162	10.69
8) T	Diethyl Ether	0.465	0.480	0.475	0.469	0.453	0.426	0.461	4.22
9) T	1,1,2-Trichlor...	0.593	0.551	0.510	0.512	0.486	0.475	0.521	8.44
10) T	Methyl Iodide		0.628	0.607	0.631	0.615	0.595	0.615	2.43
11) T	Tert butyl alc...		0.254	0.171	0.171	0.161	0.164	0.184	21.42
12) CM	1,1-Dichloroet...	0.588	0.534	0.499	0.495	0.483	0.488	0.514	7.81#
13) T	Acrolein		0.148	0.132	0.133	0.125	0.122	0.132	7.75
14) T	Allyl chloride	0.997	0.923	0.887	0.890	0.878	0.831	0.901	6.16
15) T	Acrylonitrile	0.362	0.393	0.379	0.374	0.361	0.358	0.371	3.65
16) T	Acetone	0.368	0.347	0.337	0.315	0.299	0.296	0.327	8.74
17) T	Carbon Disulfide	1.547	1.352	1.215	1.238	1.235	1.258	1.308	9.69
18) T	Methyl Acetate	1.425	1.452	1.398	1.369	1.349	1.294	1.381	4.12
19) T	Methyl tert-bu...	2.028	2.152	1.960	2.029	2.055	1.962	2.031	3.48
20) T	Methylene Chlo...	1.097	0.789	0.651	0.642	0.625	0.620	0.738	25.37
21) T	trans-1,2-Dich...	0.617	0.626	0.571	0.582	0.584	0.570	0.592	4.03
22) T	Diisopropyl ether	1.930	2.058	1.950	1.969	1.984	1.889	1.963	2.91
23) T	Vinyl Acetate	1.237	1.448	1.462	1.501	1.514	1.430	1.432	7.01
24) P	1,1-Dichloroet...	1.159	1.232	1.131	1.127	1.128	1.087	1.144	4.27
25) T	2-Butanone	0.576	0.553	0.538	0.528	0.508	0.497	0.533	5.41
26) T	2,2-Dichloropr...	0.733	0.783	0.799	0.820	0.831	0.809	0.796	4.41
27) T	cis-1,2-Dichlo...	0.732	0.766	0.701	0.710	0.720	0.701	0.722	3.42
28) T	Bromochloromet...	0.595	0.643	0.562	0.578	0.556	0.534	0.578	6.56
29) T	Tetrahydrofuran	0.336	0.352	0.343	0.339	0.340	0.328	0.340	2.31
30) C	Chloroform	1.219	1.280	1.231	1.241	1.246	1.196	1.236	2.26#
31) T	Cyclohexane		1.012	0.907	0.941	0.909	0.889	0.932	5.24
32) T	1,1,1-Trichlor...	0.942	1.045	1.017	1.054	1.070	1.041	1.028	4.46
33) S	1,2-Dichloroet...		0.924	0.770	0.796	0.805	0.750	0.809	8.39
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.369	0.332	0.351	0.363	0.356	0.354	4.06
36) T	1,1-Dichloropr...	0.523	0.482	0.467	0.479	0.471	0.470	0.482	4.30
37) T	Ethyl Acetate	0.462	0.579	0.563	0.580	0.569	0.557	0.552	8.16
38) T	Carbon Tetrach...	0.497	0.480	0.475	0.499	0.499	0.506	0.493	2.48
39) T	Methylcyclohexane	0.576	0.572	0.559	0.579	0.567	0.570	0.570	1.24
40) TM	Benzene	1.387	1.538	1.466	1.476	1.470	1.433	1.462	3.43
41) T	Methacrylonitrile	0.252	0.288	0.294	0.307	0.301	0.300	0.291	6.82
42) TM	1,2-Dichloroet...	0.579	0.605	0.568	0.575	0.563	0.537	0.571	3.92
43) T	Isopropyl Acetate	0.760	0.873	0.893	0.919	0.914	0.922	0.880	7.03
44) TM	Trichloroethene	0.385	0.362	0.357	0.359	0.365	0.364	0.365	2.78
45) C	1,2-Dichloropr...	0.354	0.405	0.396	0.393	0.388	0.378	0.386	4.62#
46) T	Dibromomethane	0.267	0.288	0.281	0.281	0.285	0.281	0.281	2.59
47) T	Bromodichlorom...	0.431	0.483	0.507	0.530	0.548	0.540	0.507	8.71
48) T	Methyl methacr...	0.385	0.410	0.437	0.445	0.438	0.437	0.425	5.43
49) T	1,4-Dioxane	0.010	0.010	0.011	0.011	0.010	0.011	0.011	4.20
50) S	Toluene-d8		1.411	1.247	1.347	1.354	1.324	1.337	4.44
51) T	4-Methyl-2-Pen...	0.501	0.605	0.606	0.617	0.567	0.572	0.578	7.40
52) CM	Toluene	0.899	0.958	0.932	0.956	0.944	0.948	0.940	2.34#
53) T	t-1,3-Dichloro...	0.379	0.457	0.496	0.560	0.588	0.600	0.514	16.69
54) T	cis-1,3-Dichlo...	0.465	0.522	0.553	0.600	0.621	0.619	0.564	11.00
55) T	1,1,2-Trichlor...	0.358	0.397	0.400	0.413	0.403	0.404	0.396	4.87
56) T	Ethyl methacry...	0.494	0.587	0.614	0.642	0.639	0.658	0.605	9.88

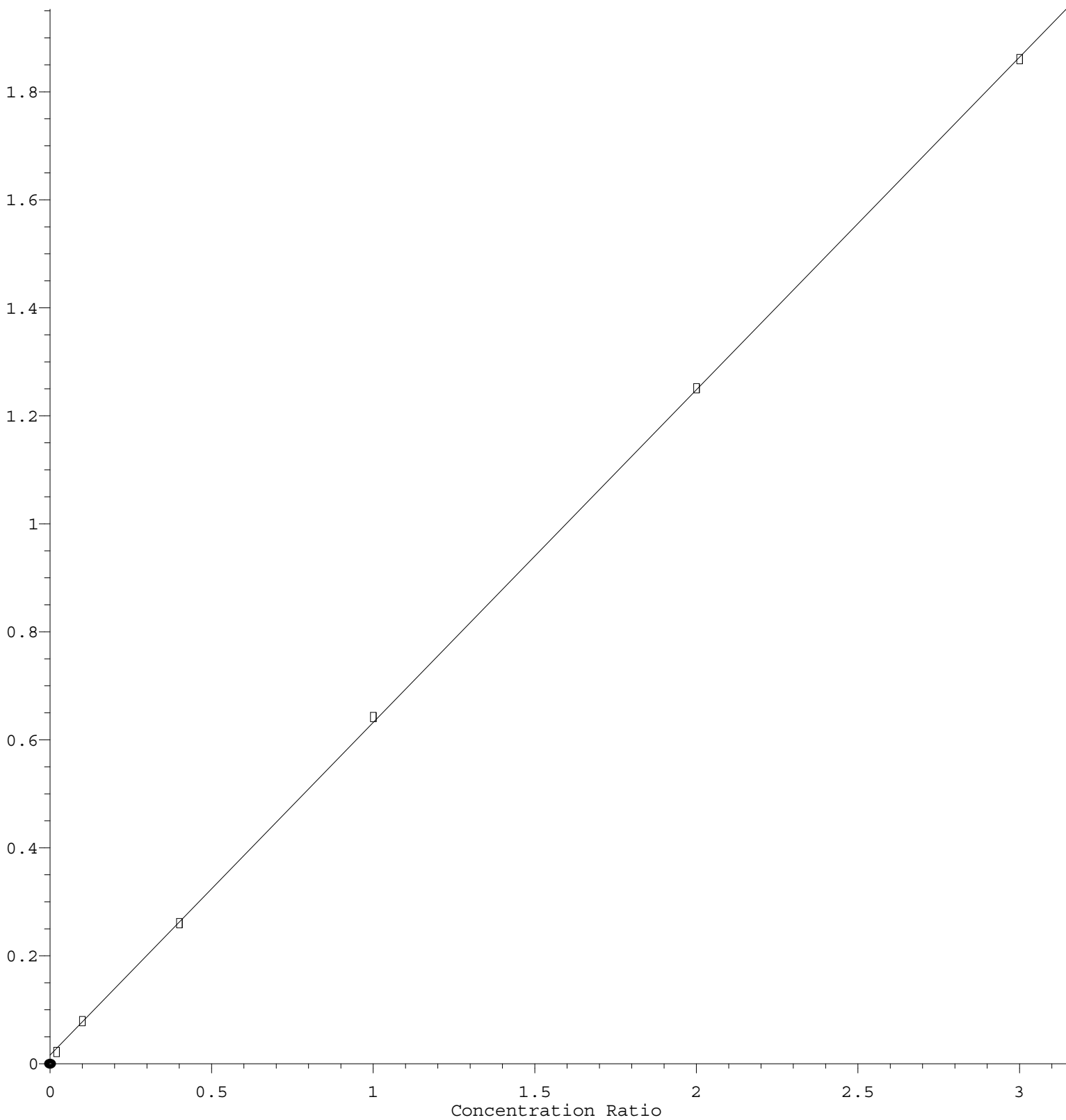
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57)	T	1,3-Dichloropr...	0.650	0.681	0.661	0.673	0.659	0.659	0.664	1.68
58)	T	2-Chloroethyl ...	0.279	0.304	0.258	0.292	0.314	0.314	0.294	7.52
59)	T	2-Hexanone	0.380	0.449	0.473	0.488	0.440	0.446	0.446	8.30
60)	T	Dibromochlorom...	0.307	0.354	0.380	0.416	0.431	0.444	0.389	13.36
61)	T	1,2-Dibromoethane	0.390	0.418	0.421	0.441	0.436	0.444	0.425	4.74
62)	S	4-Bromofluorob...		0.480	0.434	0.504	0.486	0.507	0.482	6.09
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.363	0.334	0.308	0.309	0.318	0.312	0.324	6.57
65)	PM	Chlorobenzene	1.066	1.117	1.051	1.063	1.048	1.050	1.066	2.47
66)	T	1,1,1,2-Tetrac...	0.305	0.354	0.366	0.381	0.396	0.402	0.367	9.69
67)	C	Ethyl Benzene	1.808	1.941	1.898	1.934	1.906	1.892	1.897	2.52#
68)	T	m/p-Xylenes	0.674	0.725	0.721	0.746	0.735	0.737	0.723	3.54
69)	T	o-Xylene	0.683	0.721	0.711	0.736	0.735	0.739	0.721	2.97
70)	T	Styrene	0.991	1.161	1.186	1.251	1.224	1.245	1.176	8.25
71)	P	Bromoform	0.230	0.237	0.272	0.314	0.325	0.346	0.287	16.76
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.768	4.053	3.778	3.644	3.692	3.524	3.743	4.75
74)	T	N-amyl acetate	1.505	1.621	1.651	1.686	1.698	1.633	1.632	4.23
75)	P	1,1,2,2-Tetrac...	1.377	1.518	1.456	1.388	1.361	1.305	1.401	5.37
76)	T	1,2,3-Trichlor...	1.139	1.187	1.130	1.086	1.045	1.010	1.099	5.93
77)	T	Bromobenzene	0.903	0.908	0.878	0.871	0.890	0.872	0.887	1.80
78)	T	n-propylbenzene	4.251	4.431	4.364	4.321	4.287	4.187	4.307	1.99
79)	T	2-Chlorotoluene	2.796	2.819	2.657	2.595	2.560	2.479	2.651	5.07
80)	T	1,3,5-Trimethy...	2.985	3.253	3.211	3.164	3.181	3.084	3.146	3.07
81)	T	trans-1,4-Dich...		0.273	0.324	0.381	0.414	0.416	0.362	17.10
82)	T	4-Chlorotoluene	3.115	3.137	3.047	2.974	2.985	2.912	3.028	2.87
83)	T	tert-Butylbenzene	3.068	3.210	3.209	3.189	3.174	3.114	3.161	1.82
84)	T	1,2,4-Trimethy...	3.004	3.336	3.233	3.212	3.189	3.058	3.172	3.83
85)	T	sec-Butylbenzene	3.759	4.014	3.937	3.960	3.914	3.827	3.902	2.39
86)	T	p-Isopropyltol...	2.937	3.205	3.226	3.292	3.283	3.242	3.197	4.12
87)	T	1,3-Dichlorobe...	1.789	1.798	1.648	1.674	1.666	1.645	1.703	4.16
88)	T	1,4-Dichlorobe...	1.935	1.809	1.696	1.694	1.694	1.676	1.751	5.85
89)	T	n-Butylbenzene	2.630	2.849	2.904	2.996	2.990	3.006	2.896	4.98
90)	T	Hexachloroethane	0.448	0.500	0.535	0.566	0.586	0.602	0.540	10.72
91)	T	1,2-Dichlorobe...	1.666	1.775	1.720	1.707	1.687	1.671	1.704	2.35
92)	T	1,2-Dibromo-3-...	0.226	0.280	0.300	0.299	0.310	0.311	0.288	11.26
93)	T	1,2,4-Trichlor...	0.998	0.976	0.969	0.998	1.064	1.085	1.015	4.73
94)	T	Hexachlorobuta...	0.378	0.430	0.430	0.429	0.427	0.449	0.424	5.65
95)	T	Naphthalene	3.462	3.481	3.640	3.762	3.878	3.836	3.676	4.85
96)	T	1,2,3-Trichlor...	1.049	1.043	0.985	1.009	1.082	1.080	1.041	3.69

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 6.163\text{e-}001 * \text{Amt} + 1.611\text{e-}002$$

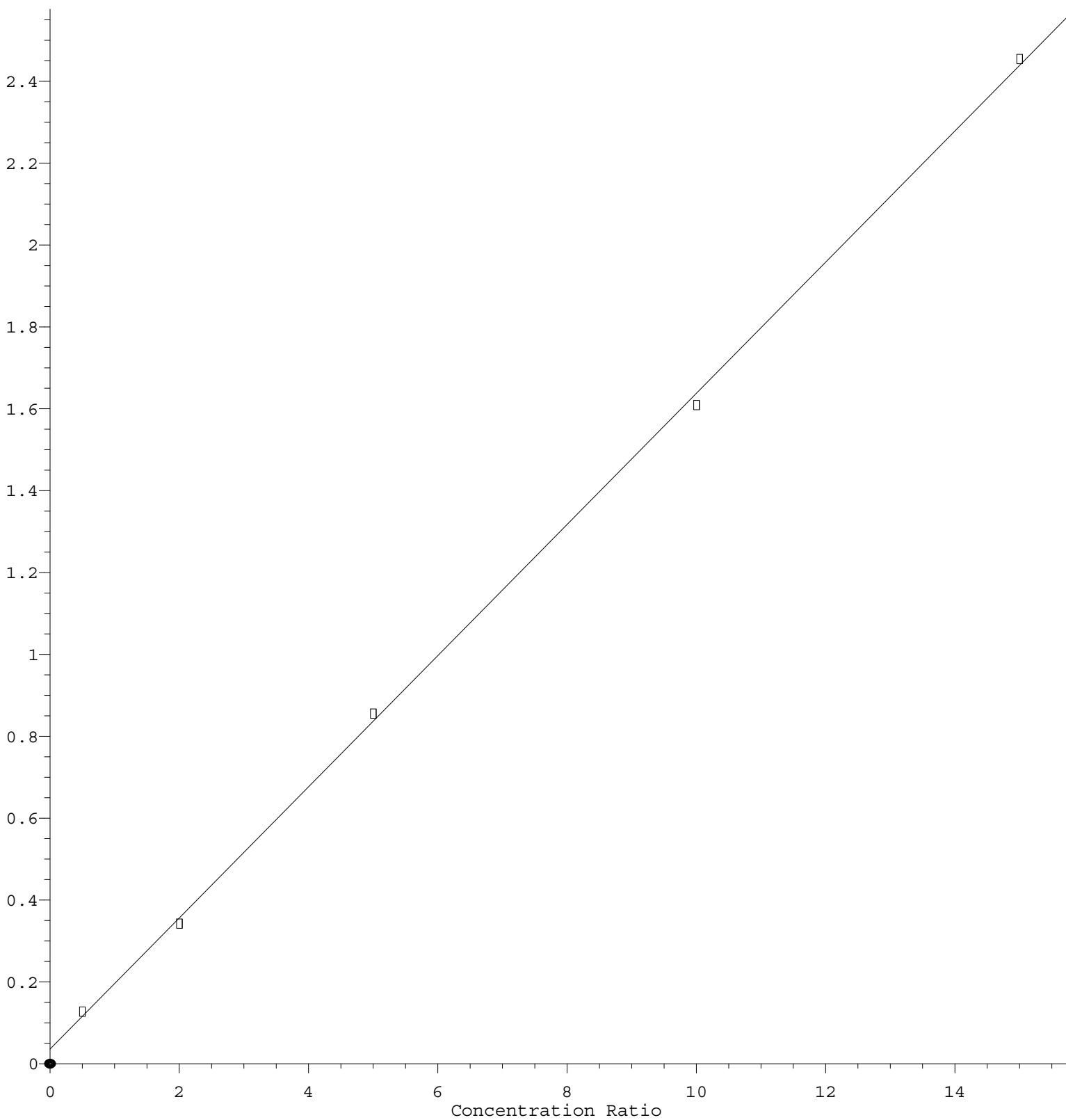
Coef of Det (r^2) = 0.999938 Curve Fit: Linear

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Tert butyl alcohol

Response Ratio



$$\text{Response} = 1.602\text{e-}001 * \text{Amt} + 3.635\text{e-}002$$

Coef of Det (r^2) = 0.999527 Curve Fit: Linear

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