

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL093025AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Wed Oct 01 00:19:41 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL043023.D 0.1 =VL043022.D 0.5 =VL043017.D 1 =VL043020.D 2 =VL043019.D 10 =VL043018.D 15 =VL043024.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

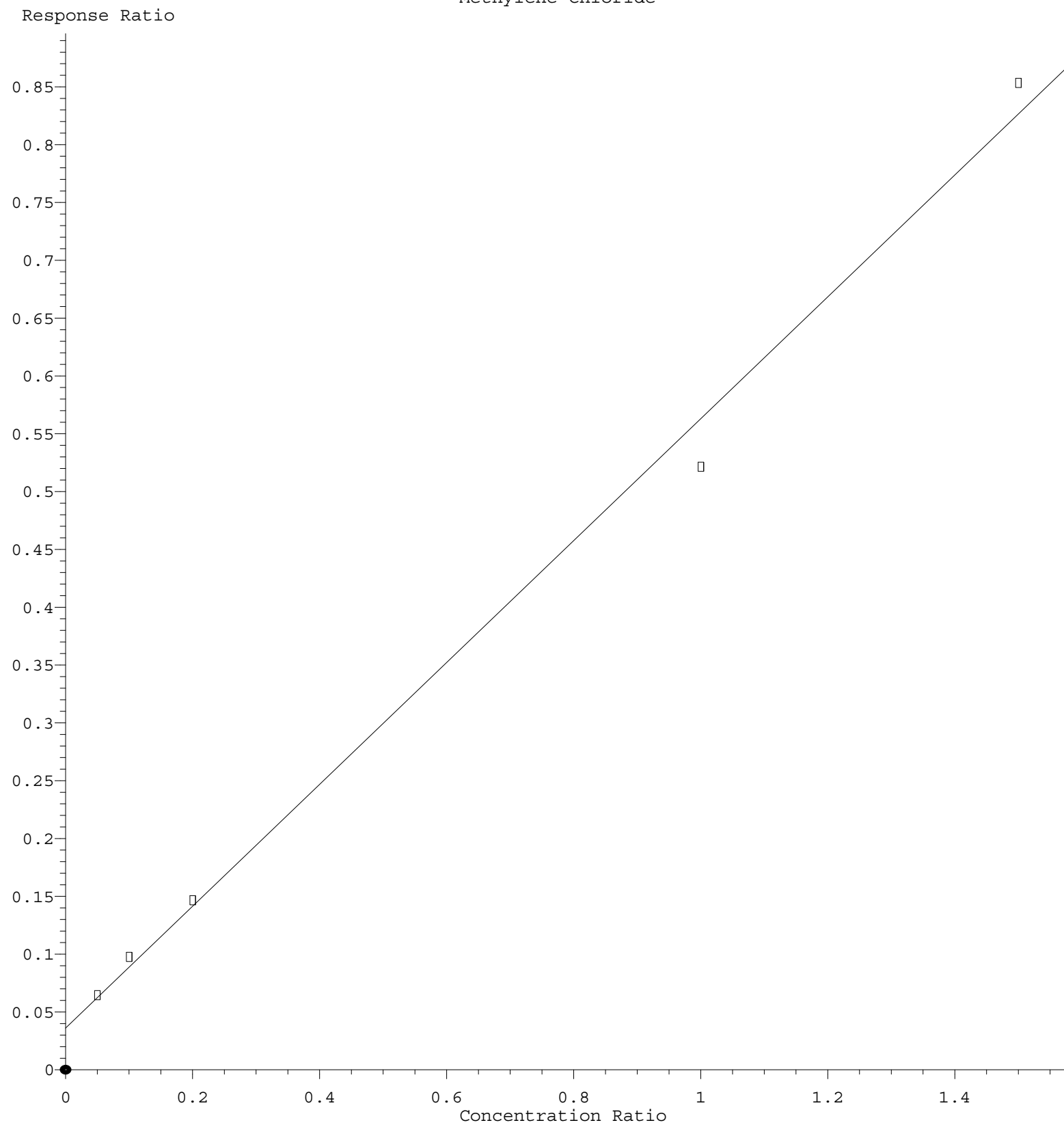
1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.785	1.823	1.746	1.611	1.687	1.731	4.84
3) Chlorodifluoro...			1.939	1.914	1.853	1.719	1.787	1.843	4.93
4) Chloromethane			0.689	0.711	0.636	0.608	0.640	0.657	6.41
5) T Vinyl Chloride	0.846	0.705	0.597	0.612	0.566	0.556	0.578	0.637	16.44
6) T Bromomethane			0.239	0.235	0.230	0.218	0.228	0.230	3.48
7) Chloroethane			0.275	0.273	0.250	0.231	0.242	0.254	7.49
8) T Dichlorotetra...			1.443	1.488	1.393	1.342	1.388	1.411	3.97
9) T Propene			0.712	0.766	0.724	0.689	0.692	0.717	4.30
10) T Heptane			1.714	1.825	1.874	1.888	1.941	1.849	4.64
11) T Trichlorofluor...			1.745	1.858	1.749	1.636	1.733	1.744	4.52
12) T 1,1,2-Trichlor...			1.408	1.457	1.376	1.308	1.362	1.382	4.00
13) Ethanol			0.111	0.124	0.087	0.056	0.056	0.087	35.68
14) T Bromoethene			0.541	0.536	0.502	0.487	0.509	0.515	4.44
15) T Acetone			1.774	1.534	1.490	1.135	1.197	1.426	18.37
16) T 1,3-Butadiene			0.696	0.637	0.588	0.530	0.567	0.604	10.65
17) tert-Butyl alc...			1.888	1.648	1.504	1.486	1.441	1.593	11.43
18) T 1,1-Dichloroet...			0.656	0.666	0.602	0.580	0.604	0.622	5.98
19) T Isopropyl Alcohol			0.981	0.893	0.798	0.762	0.760	0.839	11.51
20) T Methylene Chlo...			1.290	0.976	0.733	0.521	0.569	0.818	38.89
21) T Allyl Chloride			1.012	0.977	0.959	0.923	0.953	0.965	3.40
22) T trans-1,2-Dich...			0.727	0.722	0.704	0.668	0.697	0.704	3.34
23) T Vinyl Acetate			2.102	1.698	2.156	1.894	2.000	1.970	9.25
24) T 1,1-Dichloroet...			1.337	1.389	1.349	1.248	1.299	1.324	4.03
25) T Ethyl Acetate			3.867	3.934	3.649	3.337	3.399	3.637	7.38
26) T Hexane			2.369	2.126	1.823	1.558	1.584	1.892	18.57
27) T Carbon Disulfide			1.730	1.701	1.669	1.584	1.634	1.664	3.43
28) T Methyl tert-Bu...			0.936	0.864	1.039	0.968	0.824	0.926	9.19
29) T Chloroform			2.360	2.441	2.378	2.234	2.357	2.354	3.20
30) T Cyclohexane			1.239	1.329	1.294	1.312	1.341	1.303	3.08
31) T cis-1,2-Dichlo...			1.502	1.560	1.550	1.498	1.571	1.536	2.21
32) T 1,1,1-Trichlor...	2.730	2.315	2.280	2.359	2.337	2.281	2.389	2.385	6.61

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.711	0.708	0.716	0.672	0.714	0.704	2.60
35) T Carbon Tetrach...	1.043	0.791	0.781	0.760	0.758	0.733	0.815	0.811	12.99
36) T Benzene			1.006	0.999	1.008	0.971	1.027	1.002	2.01
37) T 1,2-Dichloroet...			0.585	0.572	0.576	0.540	0.591	0.573	3.44
38) T Trichloroethene	0.527	0.498	0.499	0.500	0.504	0.478	0.506	0.502	2.90
39) T 1,2-Dichloropr...			0.383	0.371	0.362	0.348	0.375	0.368	3.64

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40)	T	1,4-Dioxane			0.161	0.142	0.156	0.157	0.165	0.156	5.55
41)	T	Tetrahydrofuran			0.365	0.357	0.373	0.379	0.400	0.375	4.38
42)	T	Bromodichlorom...			0.783	0.801	0.786	0.768	0.840	0.796	3.44
43)		Methyl Methacr...			0.315	0.335	0.343	0.371	0.396	0.352	8.98
44)	T	2,2,4-Trimethy...			1.603	1.664	1.678	1.597	1.703	1.649	2.84
45)	T	t-1,3-Dichloro...			0.372	0.365	0.398	0.418	0.448	0.400	8.45
46)	T	cis-1,3-Dichlo...			0.506	0.485	0.515	0.535	0.571	0.522	6.25
47)	T	1,1,2-Trichlor...			0.375	0.396	0.396	0.376	0.409	0.390	3.69
48)	T	Dibromochlorom...			0.665	0.657	0.665	0.662	0.714	0.673	3.50
49)	T	Bromoform			0.532	0.547	0.565	0.581	0.629	0.571	6.51
50)	T	4-Methyl-2-Pen...			0.877	0.851	0.877	0.909	0.980	0.899	5.54
51)	T	2-Hexanone			0.600	0.560	0.643	0.728	0.778	0.662	13.59
52)	T	Tetrachloroethene	0.533	0.376	0.371	0.392	0.379	0.361	0.386	0.400	14.98
53)	T	Toluene			1.073	1.079	1.106	1.125	1.205	1.118	4.77
54)	T	1,2-Dibromoethane		0.524	0.537	0.537	0.549	0.536	0.586	0.545	3.97
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.549	0.590	0.569	0.539	0.587	0.567	4.01
57)	T	Chlorobenzene			1.021	1.082	1.037	0.970	1.044	1.031	3.95
58)	T	Ethyl Benzene			1.602	1.616	1.708	1.707	1.842	1.695	5.66
59)	T	m/p-Xylene			1.234	1.350	1.404	1.358	1.473	1.364	6.43
60)	T	o-Xylene			1.231	1.313	1.402	1.361	1.471	1.355	6.69
61)	T	Styrene			0.504	0.524	0.547	0.624	0.670	0.574	12.27
62)		Isopropylbenzene			1.877	1.991	2.053	2.001	2.170	2.018	5.26
63)	T	1,1,2,2-Tetrac...	0.732	0.735	0.712	0.764	0.730	0.673	0.746	0.728	3.98
64)		n-propylbenzene			0.487	0.503	0.544	0.520	0.576	0.526	6.68
65)		tert-Butylbenzene			1.688	1.817	1.921	1.783	1.929	1.828	5.51
66)	T	Benzyl Chloride			0.138	0.122	0.136	0.160	0.172	0.146	13.87
67)		sec-Butylbenzene			2.428	2.547	2.677	2.433	2.658	2.549	4.66
68)	S	1-Bromo-4-Fluo...	0.734	0.737	0.761	0.762	0.748	0.770	0.791	0.758	2.63
69)		p-Isopropyltol...			1.892	2.110	2.226	2.095	2.290	2.122	7.18
70)		n-Butylbenzene			1.758	1.973	2.188	2.066	2.269	2.051	9.71
71)		2-Chlorotoluene			1.399	1.460	1.536	1.497	1.634	1.505	5.83
72)	T	4-Ethyltoluene			1.502	1.594	1.712	1.690	1.839	1.668	7.62
73)	T	1,3,5-Trimethy...			1.290	1.374	1.439	1.393	1.533	1.406	6.35
74)	T	1,2,4-Trimethy...			1.449	1.607	1.676	1.530	1.673	1.587	6.14
75)	T	1,3-Dichlorobe...			0.969	1.038	1.041	0.964	1.057	1.014	4.30
76)	T	1,4-Dichlorobe...			0.936	0.986	1.017	0.958	1.057	0.991	4.84
77)	T	1,2-Dichlorobe...			0.961	1.033	1.028	0.917	1.010	0.990	5.01
78)	T	Hexachloro-1,3...			0.829	0.853	0.831	0.698	0.747	0.792	8.32
79)	T	Naphthalene		0.677	1.054	1.208	1.517	1.480	1.617	1.259	28.12
80)	T	Naphthalene,2- ...			0.251	0.224	0.328	0.374	0.445	0.325	27.85
81)	T	1,2,4-Trichlor...			0.573	0.703	0.837	0.806	0.878	0.759	16.16

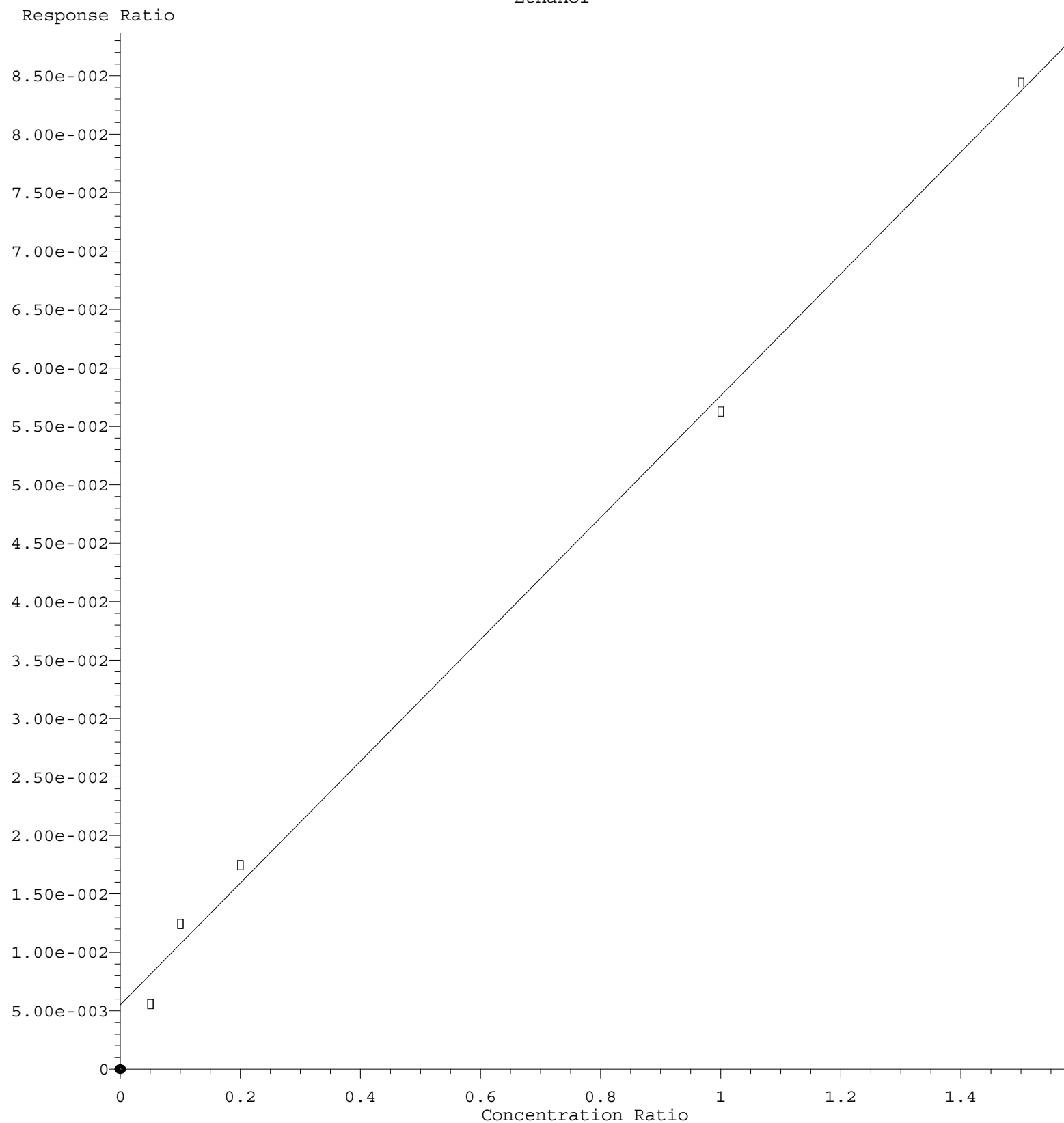
(#) = Out of Range

Methylene Chloride



Response = 5.269e-001 * Amt + 3.634e-002
Coef of Det (r^2) = 0.994527 Curve Fit: Linear
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Ethanol



Response = 5.215e-002 * Amt + 5.498e-003
 Coef of Det (r^2) = 0.996916 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA L\methods\VL093025AIR.M
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