

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\

Method File : VL081221AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021

Last Update : Fri Aug 13 01:37:35 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL037414.D 0.1 =VL037413.D 0.5 =VL037412.D 1 =VL037411.D 2 =VL037410.D 10 =VL037409.D 15 =VL037415.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.002	1.818	1.467	1.237	1.116	1.528	24.64
3) Chlorodifluoro...			2.187	2.142	2.034	1.726	1.729	1.964	11.33
4) Chloromethane			0.737	0.787	0.747	0.621	0.637	0.706	10.36
5) T Vinyl Chloride	1.169	0.786	0.679	0.758	0.706	0.657	0.689	0.778	22.94
6) T Bromomethane			0.422	0.442	0.408	0.370	0.374	0.403	7.69
7) Chloroethane			0.269	0.259	0.273	0.238	0.245	0.257	5.89
8) T Dichlorotetra...			1.882	1.903	1.704	1.543	1.494	1.705	11.01
9) T Propene			0.740	0.708	0.691	0.593	0.565	0.659	11.54
10) T Heptane			1.627	1.610	1.734	1.526	1.521	1.604	5.43
11) T Trichlorofluor...			1.798	1.827	1.647	1.479	1.515	1.653	9.59
12) T 1,1,2-Trichlor...			1.204	1.223	1.163	1.101	1.099	1.158	4.93
13) Ethanol			0.088	0.070	0.069	0.062	0.062	0.070	15.32
14) T Bromoethene			0.517	0.520	0.540	0.497	0.502	0.515	3.25
15) T Acetone			1.166	1.144	1.303	0.822	0.868	1.061	19.48
16) T 1,3-Butadiene			0.737	0.768	0.735	0.650	0.669	0.712	6.99
17) tert-Butyl alc...			1.084	1.133	0.972	0.976	0.897	1.012	9.37
18) T 1,1-Dichloroet...			0.586	0.552	0.558	0.493	0.499	0.538	7.44
19) T Isopropyl Alcohol			0.664	0.701	0.629	0.568	0.524	0.617	11.55
20) T Methylene Chlo...			0.668	0.607	0.632	0.450	0.447	0.561	18.73
21) T Allyl Chloride			0.822	0.886	0.892	0.763	0.791	0.831	6.85
22) T trans-1,2-Dich...			0.566	0.494	0.489	0.476	0.496	0.504	7.02
23) T Vinyl Acetate			1.433	1.762	1.765	1.556	1.621	1.627	8.70
24) T 1,1-Dichloroet...			1.333	1.395	1.281	1.161	1.149	1.264	8.49
25) T Ethyl Acetate			2.498	2.711	2.668	2.375	2.385	2.527	6.20
26) T Hexane			1.475	1.352	1.380	1.161	1.154	1.304	10.86
27) T Carbon Disulfide			0.865	1.173	1.097	1.174	1.189	1.100	12.36
28) T Methyl tert-Bu...			1.313	1.552	1.475	1.322	1.317	1.396	7.94
29) T Chloroform			1.981	1.884	1.881	1.712	1.723	1.836	6.30
30) T Cyclohexane			1.081	1.166	1.137	0.984	1.002	1.074	7.47
31) T cis-1,2-Dichlo...			1.092	1.136	1.172	1.101	1.137	1.127	2.83
32) T 1,1,1-Trichlor...	2.277	1.997	1.715	1.816	1.825	1.656	1.686	1.853	11.84

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.467	0.412	0.456	0.371	0.358	0.413	11.90
35) T Carbon Tetrach...	0.754	0.609	0.569	0.596	0.628	0.571	0.589	0.617	10.37
36) T Benzene			0.866	0.877	0.902	0.776	0.795	0.843	6.49
37) T 1,2-Dichloroet...			0.446	0.421	0.463	0.405	0.416	0.430	5.47
38) T Trichloroethene	0.501	0.420	0.354	0.349	0.349	0.313	0.319	0.372	17.93
39) T 1,2-Dichloropr...			0.344	0.327	0.337	0.296	0.302	0.321	6.61

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40)	T	1,4-Dioxane			0.077	0.088	0.089	0.068	0.069	0.078	12.76
41)	T	Tetrahydrofuran			0.181	0.196	0.208	0.175	0.189	0.190	6.84
42)	T	Bromodichlorom...			0.559	0.597	0.665	0.592	0.600	0.603	6.41
43)		Methyl Methacr...			0.272	0.269	0.307	0.287	0.294	0.286	5.55
44)	T	2,2,4-Trimethy...			1.426	1.507	1.544	1.294	1.277	1.410	8.59
45)	T	t-1,3-Dichloro...			0.171	0.175	0.208	0.246	0.262	0.212	19.22
46)	T	cis-1,3-Dichlo...			0.254	0.265	0.318	0.320	0.326	0.296	11.53
47)	T	1,1,2-Trichlor...			0.368	0.355	0.367	0.319	0.328	0.347	6.48
48)	T	Dibromochlorom...			0.442	0.466	0.543	0.525	0.530	0.501	8.87
49)	T	Bromoform			0.299	0.353	0.416	0.419	0.410	0.380	13.79
50)	T	4-Methyl-2-Pen...			0.496	0.517	0.562	0.502	0.520	0.519	4.96
51)	T	2-Hexanone			0.230	0.229	0.267	0.242	0.254	0.244	6.62
52)	T	Tetrachloroethene	0.459	0.416	0.340	0.341	0.347	0.292	0.292	0.355	17.40
53)	T	Toluene			0.960	0.985	1.025	0.917	0.926	0.963	4.58
54)	T	1,2-Dibromoethane			0.471	0.460	0.502	0.458	0.472	0.473	3.76
55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.375	0.422	0.420	0.401	0.371	0.398	6.09
57)	T	Chlorobenzene			0.884	0.870	0.831	0.750	0.716	0.810	9.12
58)	T	Ethyl Benzene			1.296	1.413	1.457	1.360	1.256	1.357	6.09
59)	T	m/p-Xylene			1.223	1.283	1.253	1.140	1.060	1.192	7.64
60)	T	o-Xylene			1.181	1.164	1.173	1.040	0.976	1.107	8.44
61)	T	Styrene			0.505	0.534	0.594	0.596	0.567	0.559	7.02
62)		Isopropylbenzene			1.673	1.684	1.666	1.456	1.436	1.583	7.91
63)	T	1,1,2,2-Tetrac...	0.910	0.936	0.851	0.856	0.829	0.749	0.714	0.835	9.62
64)		n-propylbenzene			0.417	0.422	0.413	0.382	0.358	0.398	6.84
65)		tert-Butylbenzene			1.494	1.559	1.533	1.333	1.219	1.428	10.22
66)	T	Benzyl Chloride			0.053	0.054	0.061	0.078	0.081	0.065	20.28
67)		sec-Butylbenzene			1.999	2.070	2.117	1.835	1.693	1.943	9.05
68)	S	1-Bromo-4-Fluo...	0.704	0.749	0.705	0.689	0.710	0.746	0.719	0.717	3.14
69)		p-Isopropyltol...			1.517	1.722	1.726	1.555	1.451	1.594	7.79
70)		n-Butylbenzene			1.369	1.529	1.580	1.498	1.434	1.482	5.56
71)		2-Chlorotoluene			1.153	1.180	1.156	1.090	1.020	1.120	5.78
72)	T	4-Ethyltoluene			1.230	1.334	1.336	1.256	1.269	1.285	3.72
73)	T	1,3,5-Trimethy...			1.279	1.320	1.233	1.155	1.087	1.215	7.73
74)	T	1,2,4-Trimethy...			1.283	1.263	1.330	1.216	1.127	1.244	6.19
75)	T	1,3-Dichlorobe...			0.792	0.807	0.774	0.737	0.696	0.761	5.90
76)	T	1,4-Dichlorobe...			0.809	0.768	0.791	0.703	0.702	0.755	6.61
77)	T	1,2-Dichlorobe...			0.765	0.768	0.757	0.699	0.673	0.732	5.95
78)	T	Hexachloro-1,3...			0.681	0.657	0.616	0.514	0.499	0.593	13.99
79)	T	Naphthalene			0.444	0.517	0.627	0.875	0.917	0.676	31.31
80)	T	Naphthalene,2-...			0.057	0.062	0.082	0.238	0.275	0.143	73.32
81)	T	1,2,4-Trichlor...			0.376	0.399	0.446	0.538	0.537	0.459	16.47

 (#) = Out of Range