

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

Method File : VL061920AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020

Last Update : Sat Jun 20 02:10:36 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL035101.D 0.1 =VL035100.D 0.5 =VL035099.D 1 =VL035098.D 2 =VL035097.D 10 =VL035096.D 15 =VL035102.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			1.739	1.577	1.329	1.162	0.943	1.350	23.54
3) Chlorodifluoro...			1.199	1.184	1.197	0.989	0.954	1.105	11.05
4) Chloromethane			0.657	0.657	0.651	0.569	0.562	0.619	7.95
5) T Vinyl Chloride	0.554	0.604	0.590	0.625	0.631	0.556	0.563	0.589	5.48
6) T Bromomethane			0.396	0.377	0.380	0.339	0.337	0.366	7.20
7) Chloroethane			0.247	0.230	0.226	0.205	0.203	0.222	8.29
8) T Dichlorotetra...			1.665	1.558	1.552	1.278	1.186	1.448	14.14
9) T Propene			0.424	0.442	0.481	0.417	0.423	0.437	5.96
10) T Heptane			0.962	1.169	1.220	1.135	1.181	1.134	8.86
11) T Trichlorofluor...			1.592	1.597	1.498	1.283	1.242	1.443	11.76
12) T 1,1,2-Trichlor...			1.147	1.066	0.999	0.900	0.875	0.998	11.38
13) Ethanol			0.237	0.194	0.188	0.109	0.098	0.165	35.98
14) T Bromoethene			0.432	0.452	0.456	0.405	0.404	0.430	5.79
15) T Acetone			1.407	1.377	1.287	0.990	0.984	1.209	17.16
16) T 1,3-Butadiene			0.524	0.548	0.563	0.507	0.510	0.530	4.61
17) tert-Butyl alc...			1.171	1.168	1.059	1.024	0.936	1.071	9.32
18) T 1,1-Dichloroet...			0.452	0.498	0.468	0.422	0.409	0.450	7.94
19) T Isopropyl Alcohol			0.899	0.891	0.767	0.711	0.658	0.785	13.69
20) T Methylene Chlo...			0.589	0.582	0.542	0.367	0.368	0.489	23.08
21) T Allyl Chloride			0.735	0.715	0.739	0.704	0.700	0.719	2.46
22) T trans-1,2-Dich...			0.432	0.436	0.428	0.402	0.405	0.421	3.78
23) T Vinyl Acetate			1.281	1.473	1.637	1.463	1.484	1.468	8.62
24) T 1,1-Dichloroet...			1.339	1.316	1.295	1.131	1.105	1.237	8.92
25) T Ethyl Acetate			2.332	2.315	2.331	1.970	1.962	2.182	9.04
26) T Hexane			0.985	1.073	1.106	0.872	0.883	0.984	10.84
27) T Carbon Disulfide			0.926	0.991	1.033	1.065	1.075	1.018	5.98
28) T Methyl tert-Bu...			1.331	1.454	1.496	1.340	1.290	1.382	6.36
29) T Chloroform			1.733	1.636	1.588	1.377	1.363	1.539	10.61
30) T Cyclohexane			0.596	0.684	0.757	0.748	0.745	0.706	9.66
31) T cis-1,2-Dichlo...			0.866	0.914	0.950	0.902	0.903	0.907	3.32
32) T 1,1,1-Trichlor...	1.590	1.412	1.428	1.436	1.480	1.334	1.316	1.428	6.43
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.558	0.604	0.634	0.537	0.539	0.574	7.43
35) T Carbon Tetrach...	0.662	0.596	0.571	0.591	0.636	0.577	0.564	0.600	6.07
36) T Benzene			0.745	0.796	0.844	0.749	0.738	0.774	5.84
37) T 1,2-Dichloroet...			0.504	0.528	0.516	0.454	0.445	0.489	7.62
38) T Trichloroethene	0.321	0.299	0.279	0.309	0.321	0.293	0.283	0.301	5.66
39) T 1,2-Dichloropr...			0.305	0.301	0.317	0.293	0.297	0.303	3.03

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40)	T	1,4-Dioxane	0.137	0.140	0.120	0.105	0.095	0.119	16.32
41)	T	Tetrahydrofuran	0.250	0.286	0.321	0.301	0.309	0.293	9.30
42)	T	Bromodichlorom...	0.621	0.624	0.691	0.625	0.608	0.634	5.15
43)		Methyl Methacr...	0.275	0.325	0.351	0.343	0.345	0.328	9.48
44)	T	2,2,4-Trimethy...	1.314	1.441	1.486	1.286	1.230	1.352	7.99
45)	T	t-1,3-Dichloro...	0.210	0.281	0.334	0.379	0.391	0.319	23.37
46)	T	cis-1,3-Dichlo...	0.300	0.360	0.420	0.447	0.454	0.396	16.46
47)	T	1,1,2-Trichlor...	0.328	0.349	0.350	0.314	0.312	0.331	5.58
48)	T	Dibromochlorom...	0.415	0.483	0.534	0.518	0.514	0.493	9.59
49)	T	Bromoform	0.340	0.399	0.454	0.451	0.449	0.419	11.81
50)	T	4-Methyl-2-Pen...	0.736	0.841	0.891	0.804	0.808	0.816	6.96
51)	T	2-Hexanone	0.530	0.617	0.719	0.657	0.671	0.639	11.12
52)	T	Tetrachloroethene	0.276	0.292	0.243	0.284	0.287	0.265	6.30
53)	T	Toluene	0.660	0.821	0.921	0.866	0.862	0.826	12.01
54)	T	1,2-Dibromoethane	0.465	0.517	0.520	0.473	0.473	0.489	5.47

55)	I	Chlorobenzene-d5	-----ISTD-----						
56)		1,1,1,2-Tetrac...	0.410	0.436	0.445	0.376	0.380	0.409	7.69
57)	T	Chlorobenzene	0.787	0.838	0.782	0.639	0.633	0.736	12.74
58)	T	Ethyl Benzene	0.920	1.186	1.278	1.112	1.121	1.124	11.73
59)	T	m/p-Xylene	0.955	1.080	1.115	0.926	0.903	0.996	9.57
60)	T	o-Xylene	0.979	1.064	1.083	0.919	0.912	0.991	8.03
61)	T	Styrene	0.479	0.614	0.697	0.655	0.673	0.624	13.84
62)		Isopropylbenzene	1.451	1.632	1.648	1.341	1.324	1.479	10.46
63)	T	1,1,2,2-Tetrac...	1.018	0.812	0.828	0.842	0.832	0.646	16.04
64)		n-propylbenzene	0.364	0.391	0.415	0.357	0.361	0.378	6.55
65)		tert-Butylbenzene	1.202	1.385	1.459	1.157	1.131	1.267	11.55
66)	T	Benzyl Chloride	0.331	0.330	0.395	0.435	0.466	0.391	15.63
67)		sec-Butylbenzene	1.769	1.998	2.081	1.644	1.586	1.816	11.95
68)	S	1-Bromo-4-Fluo...	0.857	0.862	0.862	0.842	0.808	0.781	3.98
69)		p-Isopropyltol...	1.327	1.563	1.687	1.354	1.310	1.448	11.62
70)		n-Butylbenzene	1.487	1.708	1.830	1.401	1.373	1.560	12.84
71)		2-Chlorotoluene	1.029	1.206	1.266	1.046	1.044	1.118	9.81
72)	T	4-Ethyltoluene	0.959	1.189	1.231	1.065	1.071	1.103	9.83
73)	T	1,3,5-Trimethy...	0.945	1.109	1.189	0.986	0.983	1.042	9.86
74)	T	1,2,4-Trimethy...	1.195	1.286	1.336	1.009	0.992	1.163	13.53
75)	T	1,3-Dichlorobe...	0.775	0.790	0.746	0.584	0.577	0.694	15.12
76)	T	1,4-Dichlorobe...	0.681	0.726	0.740	0.583	0.591	0.664	11.08
77)	T	1,2-Dichlorobe...	0.640	0.720	0.719	0.546	0.553	0.635	13.40
78)	T	Hexachloro-1,3...	0.640	0.641	0.670	0.448	0.456	0.571	19.15
79)	T	Naphthalene	0.863	1.042	1.191	0.984	1.020	1.020	11.56
80)	T	Naphthalene,2-...	0.218	0.314	0.436	0.463	0.518	0.390	31.22
81)	T	1,2,4-Trichlor...	0.598	0.625	0.655	0.523	0.542	0.588	9.41

 (#) = Out of Range