

Method Path : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\

Method File : VL080421AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021

Last Update : Wed Aug 04 22:53:01 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL037318.D 0.1 =VL037317.D 0.5 =VL037316.D

1 =VL037315.D 2 =VL037314.D 10 =VL037313.D

	Compound	0.03	0.1	0.5	1	2	10	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----							
2) T	Dichlorodifluorom			2.736	2.534	1.920	1.454	2.030	28.82
3)	Chlorodifluoromet			2.349	2.228	2.252	1.666	2.033	16.53
4)	Chloromethane			0.770	0.800	0.828	0.616	0.728	13.69
5) T	Vinyl Chloride	0.829	0.699	0.772	0.808	0.876	0.677	0.762	10.52
6) T	Bromomethane			0.505	0.500	0.522	0.405	0.470	11.42
7)	Chloroethane			0.285	0.289	0.305	0.237	0.271	11.74
8) T	Dichlorotetrafluor			2.204	2.109	2.173	1.599	1.943	15.58
9) T	Propene			0.875	0.812	0.780	0.606	0.735	16.89
10) T	Heptane			1.797	1.933	1.943	1.459	1.717	14.28
11) T	Trichlorofluorome			2.124	2.065	2.049	1.528	1.868	15.60
12) T	1,1,2-Trichlorotr			1.474	1.470	1.516	1.138	1.358	13.12
13)	Ethanol			0.176	0.096	0.122	0.083	0.111	36.63
14) T	Bromoethene			0.632	0.644	0.681	0.529	0.606	10.84
15) T	Acetone			1.218	1.331	1.294	0.788	1.086	24.86
16) T	1,3-Butadiene			0.756	0.744	0.787	0.600	0.700	12.44
17)	tert-Butyl alcoho			1.210	1.123	1.156	1.002	1.091	9.54
18) T	1,1-Dichloroethen			0.678	0.667	0.674	0.528	0.620	11.69
19) T	Isopropyl Alcohol			0.700	0.590	0.625	0.581	0.601	11.48
20) T	Methylene Chlorid			1.279	1.139	1.112	0.473	0.899	42.77
21) T	Allyl Chloride			1.015	0.861	0.979	0.774	0.879	12.96
22) T	trans-1,2-Dichlor			0.563	0.563	0.650	0.506	0.565	9.34
23) T	Vinyl Acetate			1.717	1.489	1.909	1.516	1.640	10.62
24) T	1,1-Dichloroethan			1.565	1.533	1.535	1.167	1.403	13.93
25) T	Ethyl Acetate			3.207	3.126	3.222	2.287	2.825	17.51
26) T	Hexane			1.873	1.849	1.890	1.147	1.581	25.13
27) T	Carbon Disulfide			1.171	1.288	1.454	1.247	1.286	8.09
28) T	Methyl tert-Butyl			1.797	1.826	1.926	1.398	1.679	14.29
29) T	Chloroform			2.264	2.172	2.232	1.657	2.002	15.21
30) T	Cyclohexane			1.384	1.314	1.353	1.012	1.219	14.93
31) T	cis-1,2-Dichloroe			1.245	1.340	1.389	1.076	1.228	11.63
32) T	1,1,1-Trichloroet	2.168	1.739	1.982	2.006	2.118	1.643	1.909	11.05
33) I	1,4-Difluorobenzene	-----ISTD-----							
34) T	2-Butanone			0.353	0.365	0.386	0.320	0.347	8.93
35) T	Carbon Tetrachlor	0.595	0.559	0.615	0.650	0.668	0.538	0.597	8.39
36) T	Benzene			0.995	0.995	1.004	0.766	0.900	14.94
37) T	1,2-Dichloroethan			0.442	0.437	0.453	0.363	0.414	10.14
38) T	Trichloroethene	0.456	0.421	0.424	0.407	0.416	0.318	0.394	13.90
39) T	1,2-Dichloropropa			0.376	0.365	0.364	0.289	0.335	13.66
40) T	1,4-Dioxane			0.120	0.114	0.102	0.078	0.096	23.96
41) T	Tetrahydrofuran			0.191	0.215	0.212	0.174	0.193	10.52
42) T	Bromodichlorometh			0.608	0.679	0.699	0.571	0.623	10.12
43)	Methyl Methacryla			0.321	0.338	0.327	0.269	0.305	10.46
44) T	2,2,4-Trimethylpe			1.680	1.688	1.668	1.232	1.488	17.66
45) T	t-1,3-Dichloropro			0.190	0.226	0.275	0.255	0.241	13.99
46) T	cis-1,3-Dichlorop			0.322	0.354	0.384	0.336	0.347	6.83
47) T	1,1,2-Trichloroet			0.385	0.392	0.393	0.304	0.356	12.89
48) T	Dibromochlorometh			0.483	0.561	0.586	0.496	0.528	8.30
49) T	Bromoform			0.335	0.416	0.440	0.388	0.396	9.90
50) T	4-Methyl-2-Pentan			0.519	0.583	0.608	0.471	0.531	11.71
51) T	2-Hexanone			0.192	0.251	0.293	0.234	0.242	14.89
52) T	Tetrachloroethene	0.512	0.397	0.377	0.414	0.402	0.305	0.388	18.17

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	Compound	0.03	0.1	0.5	1	2	10	Avg	%RSD
53) T	Toluene			1.162	1.196	1.172	0.894	1.062	14.77
54) T	1,2-Dibromoethane			0.503	0.544	0.532	0.447	0.495	9.22
55) I	Chlorobenzene-d5	-----ISTD-----							
56)	1,1,1,2-Tetrachlo			0.471	0.476	0.467	0.370	0.432	12.62
57) T	Chlorobenzene			0.966	0.950	0.885	0.704	0.844	14.99
58) T	Ethyl Benzene			1.651	1.643	1.575	1.261	1.469	14.53
59) T	m/p-Xylene			1.330	1.365	1.394	1.047	1.237	14.05
60) T	o-Xylene			1.243	1.314	1.245	0.898	1.124	17.62
61) T	Styrene			0.631	0.690	0.664	0.539	0.616	10.68
62)	Isopropylbenzene			1.860	1.864	1.805	1.305	1.633	17.72
63) T	1,1,2,2-Tetrachlo	1.001	0.860	0.847	0.823	0.869	0.665	0.816	15.03
64)	n-propylbenzene			0.456	0.480	0.464	0.367	0.427	12.96
65)	tert-Butylbenzene			1.676	1.701	1.704	1.236	1.506	17.09
66) T	Benzyl Chloride			0.061	0.054	0.051	0.058	0.059	10.68
67)	sec-Butylbenzene			2.272	2.271	2.295	1.684	2.031	16.77
68) S	1-Bromo-4-Fluorob	0.674	0.724	0.695	0.690	0.637	0.666	0.683	4.06
69)	p-Isopropyltoluen			1.811	1.902	1.941	1.457	1.708	14.41
70)	n-Butylbenzene			1.607	1.678	1.771	1.384	1.563	11.38
71)	2-Chlorotoluene			1.279	1.272	1.251	0.947	1.141	15.18
72) T	4-Ethyltoluene			1.430	1.496	1.495	1.159	1.357	11.97
73) T	1,3,5-Trimethylbe			1.305	1.320	1.363	1.043	1.220	12.38
74) T	1,2,4-Trimethylbe			1.369	1.446	1.485	1.117	1.302	14.14
75) T	1,3-Dichlorobenze			0.854	0.833	0.902	0.705	0.801	11.16
76) T	1,4-Dichlorobenze			0.907	0.814	0.841	0.697	0.794	11.16
77) T	1,2-Dichlorobenze			0.823	0.822	0.866	0.695	0.780	10.27
78) T	Hexachloro-1,3-Bu			0.841	0.767	0.782	0.554	0.700	19.31
79) T	Naphthalene			0.890	1.109	1.402	1.259	1.195	16.86
80) T	Naphthalene,2-met			0.056	0.079	0.224	0.286	0.194	62.79
81) T	1,2,4-Trichlorobe			0.603	0.705	0.784	0.679	0.694	9.32

(#) = Out of Range ### Number of calibration levels exceeded format ###