

Method Path : W:\HPCHEM1\MSVOA_L\METHODS\

Method File : VL102015AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015

Last Update : Wed Oct 21 01:20:55 2015

Response Via : Initial Calibration

Calibration Files

0.03=VL026211.D 0.1 =VL026210.D 0.5 =VL026209.D 1 =VL026208.D 2 =VL026207.D 10 =VL026214.D 15 =VL026212.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		2.193	2.195	2.125	2.123	1.726	2.072	9.50	
3)	Chlorodifluoro...		1.328	1.320	1.369	1.166	1.149	1.266	8.00	
4)	Chloromethane		0.691	0.687	0.709	0.665	0.663	0.683	2.80	
5) T	Vinyl Chloride	0.753	0.724	0.695	0.727	0.733	0.697	0.703	0.719	2.99
6) T	Bromomethane		0.525	0.528	0.520	0.507	0.501	0.516	2.27	
7)	Chloroethane		0.293	0.306	0.313	0.301	0.296	0.302	2.55	
8) T	Dichlorotetra...		1.816	1.852	1.836	1.721	1.680	1.781	4.25	
9) T	Propene		0.611	0.615	0.622	0.559	0.556	0.593	5.50	
10) T	Heptane		2.101	2.063	1.980	1.902	1.875	1.984	4.95	
11) T	Trichlorofluor...		2.106	2.057	2.004	2.044	1.954	2.033	2.81	
12) T	1,1,2-Trichlor...		1.447	1.416	1.376	1.389	1.310	1.388	3.71	
13)	Ethanol		0.102	0.115	0.098	0.089	0.041	0.089	31.94	
14) T	Bromoethene		0.594	0.588	0.601	0.581	0.565	0.586	2.34	
15) T	Acetone		1.828	1.598	1.519	1.219	1.197	1.472	18.12	
16) T	1,3-Butadiene		0.684	0.664	0.666	0.629	0.639	0.657	3.37	
17)	tert-Butyl alc...		0.844	0.899	0.956	1.175	1.157	1.006	15.04	
18) T	1,1-Dichloroet...		0.650	0.633	0.610	0.635	0.606	0.627	2.97	
19) T	Isopropyl Alcohol		0.524	0.567	0.593	0.659	0.535	0.576	9.41	
20) T	Methylene Chlo...		0.621	0.600	0.589	0.574	0.553	0.587	4.34	
21) T	Allyl Chloride		1.003	0.957	0.950	0.964	0.933	0.961	2.69	
22) T	trans-1,2-Dich...		0.815	0.821	0.812	0.798	0.794	0.808	1.39	
23) T	Vinyl Acetate		2.766	2.778	2.739	2.672	2.615	2.714	2.53	
24) T	1,1-Dichloroet...		1.739	1.748	1.759	1.672	1.642	1.712	3.02	
25) T	Ethyl Acetate		2.767	2.859	2.892	2.657	2.623	2.760	4.31	
26) T	Hexane		1.415	1.424	1.455	1.308	1.294	1.379	5.30	
27) T	Carbon Disulfide		1.744	1.752	1.769	1.817	1.733	1.763	1.86	
28) T	Methyl tert-Bu...		2.550	2.567	2.534	2.463	2.422	2.507	2.46	
29) T	Chloroform		2.015	2.028	2.024	1.985	1.956	2.002	1.53	
30) T	Cyclohexane		1.439	1.406	1.395	1.335	1.322	1.379	3.59	
31) T	cis-1,2-Dichlo...		1.260	1.240	1.282	1.242	1.237	1.252	1.51	
32) T	1,1,1-Trichlor...	2.573	2.248	2.186	2.160	2.143	2.126	2.100	2.219	7.34
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.584	0.584	0.613	0.528	0.516	0.565	7.27	
35) T	Carbon Tetrach...	0.827	0.852	0.766	0.745	0.751	0.710	0.681	0.762	7.96
36) T	Benzene		1.069	1.069	1.082	0.954	0.917	1.018	7.54	
37) T	1,2-Dichloroet...		0.550	0.531	0.527	0.513	0.498	0.524	3.74	

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38) T	Trichloroethene	0.687	0.563	0.491	0.470	0.471	0.401	0.374	0.494	21.25
39) T	1,2-Dichloropr...			0.379	0.373	0.377	0.338	0.324	0.358	7.13
40) T	1,4-Dioxane			0.054	0.079	0.070	0.089	0.045	0.067	26.85
41) T	Tetrahydrofuran			0.326	0.335	0.359	0.310	0.305	0.327	6.53
42) T	Bromodichlorom...			0.774	0.777	0.793	0.726	0.694	0.753	5.48
43)	Methyl Methacr...			0.364	0.379	0.386	0.368	0.356	0.371	3.20
44) T	2,2,4-Trimethy...			1.802	1.785	1.760	1.507	1.392	1.649	11.37
45) T	t-1,3-Dichloro...			0.561	0.571	0.602	0.587	0.571	0.578	2.81
46) T	cis-1,3-Dichlo...			0.683	0.690	0.701	0.667	0.643	0.677	3.33
47) T	1,1,2-Trichlor...			0.463	0.464	0.471	0.436	0.416	0.450	5.22
48) T	Dibromochlorom...			0.742	0.740	0.772	0.720	0.692	0.733	4.07
49) T	Bromoform			0.617	0.610	0.657	0.618	0.595	0.619	3.75
50) T	4-Methyl-2-Pen...			0.766	0.783	0.783	0.752	0.732	0.763	2.84
51) T	2-Hexanone			0.699	0.694	0.735	0.722	0.713	0.713	2.34
52) T	Tetrachloroethene	0.958	0.679	0.546	0.520	0.516	0.447	0.422	0.584	31.60
53) T	Toluene			1.463	1.447	1.472	1.299	1.245	1.385	7.62
54) T	1,2-Dibromoethane			0.720	0.712	0.732	0.672	0.646	0.696	5.17
55) I	Chlorobenzene-d5	-----ISTD-----								
56)	1,1,1,2-Tetrac...	0.638		0.501	0.486	0.476	0.416	0.361	0.480	19.49
57) T	Chlorobenzene			1.085	1.048	1.030	0.868	0.754	0.957	14.70
58) T	Ethyl Benzene			1.802	1.759	1.720	1.501	1.321	1.621	12.58
59) T	m/p-Xylene			1.417	1.394	1.375	1.151	1.006	1.269	14.31
60) T	o-Xylene			1.521	1.474	1.435	1.175	1.026	1.326	16.20
61) T	Styrene			0.598	0.619	0.643	0.598	0.543	0.600	6.15
62)	Isopropylbenzene			2.075	2.014	1.974	1.687	1.475	1.845	13.81
63) T	1,1,2,2-Tetrac...	0.978	0.960	0.948	0.922	0.916	0.759	0.657	0.877	13.80
64)	n-propylbenzene			0.562	0.544	0.540	0.472	0.419	0.507	11.80
65)	tert-Butylbenzene			1.970	1.883	1.831	1.472	1.268	1.685	17.84
66) T	Benzyl Chloride			0.698	0.726	0.759	0.684	0.609	0.695	8.07
67)	sec-Butylbenzene			2.657	2.583	2.534	2.129	1.837	2.348	14.98
68) S	1-Bromo-4-Fluo...	0.800	0.794	0.793	0.777	0.751	0.766	0.717	0.771	3.83
69)	p-Isopropyltol...			2.209	2.157	2.123	1.782	1.547	1.963	14.62
70)	n-Butylbenzene			1.982	1.956	1.938	1.653	1.443	1.794	13.22
71)	2-Chlorotoluene			1.496	1.468	1.459	1.266	1.106	1.359	12.40
72) T	4-Ethyltoluene			1.683	1.668	1.641	1.446	1.279	1.543	11.41
73) T	1,3,5-Trimethy...			1.561	1.559	1.549	1.339	1.185	1.439	11.83
74) T	1,2,4-Trimethy...			1.734	1.668	1.628	1.304	1.124	1.492	17.70
75) T	1,3-Dichlorobe...			1.087	1.082	1.051	0.878	0.775	0.975	14.45
76) T	1,4-Dichlorobe...			1.147	1.089	1.101	0.929	0.823	1.018	13.42
77) T	1,2-Dichlorobe...			1.097	1.071	1.051	0.899	0.796	0.983	13.19
78) T	Hexachloro-1,3...			0.627	0.578	0.554	0.410	0.350	0.504	23.40
79) T	Naphthalene			1.367	1.395	1.431	1.232	1.148	1.315	9.11
80) T	Naphthalene,2-...			0.194	0.200	0.220	0.385	0.181	0.236	35.84
81) T	1,2,4-Trichlor...			0.708	0.697	0.693	0.565	0.499	0.633	14.99

(#) = Out of Range