

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

Method File : VL010816AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Jan 11 17:14:02 2016

Last Update : Mon Jan 11 17:14:02 2016

Response Via : Initial Calibration

Calibration Files

0.03=VL026652.D 0.1 =VL026651.D 0.5 =VL026650.D 1 =VL026649.D 2 =VL026648.D 10 =VL026647.D 15 =VL026653.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		2.937	2.383	2.547	2.660	2.765	2.658	7.91	
3)	Chlorodifluoro...		1.457	1.372	1.344	1.264	1.219	1.331	6.99	
4)	Chloromethane		0.686	0.664	0.686	0.653	0.567	0.651	7.55	
5) T	Vinyl Chloride	1.126	0.768	0.719	0.754	0.739	0.736	0.679	0.789	19.19
6) T	Bromomethane		0.614	0.567	0.539	0.551	0.537	0.562	5.60	
7)	Chloroethane		0.326	0.321	0.318	0.329	0.299	0.319	3.69	
8) T	Dichlorotetra...		2.205	2.179	2.018	2.029	2.016	2.090	4.51	
9) T	Propene		0.472	0.492	0.540	0.483	0.407	0.479	10.00	
10) T	Heptane		1.732	1.879	1.909	1.755	1.643	1.783	6.14	
11) T	Trichlorofluor...		2.976	2.800	2.494	2.646	2.865	2.756	6.86	
12) T	1,1,2-Trichlor...		1.850	1.711	1.591	1.618	1.697	1.693	5.98	
13)	Ethanol		0.093	0.073	0.110	0.102	0.077	0.091	17.47	
14) T	Bromoethene		0.629	0.612	0.584	0.611	0.613	0.610	2.69	
15) T	Acetone		1.844	1.780	1.712	1.462	1.426	1.645	11.52	
16) T	1,3-Butadiene		0.677	0.669	0.674	0.654	0.609	0.657	4.26	
17)	tert-Butyl alc...		1.246	1.224	1.048	1.358	1.327	1.241	9.76	
18) T	1,1-Dichloroet...		0.742	0.695	0.691	0.697	0.706	0.706	2.95	
19) T	Isopropyl Alcohol		0.679	0.587	0.672	0.799	0.655	0.679	11.32	
20) T	Methylene Chlo...		0.758	0.668	0.667	0.634	0.647	0.675	7.22	
21) T	Allyl Chloride		1.038	0.997	1.023	1.009	0.977	1.009	2.33	
22) T	trans-1,2-Dich...		0.824	0.841	0.787	0.802	0.779	0.806	3.20	
23) T	Vinyl Acetate		2.368	2.383	2.698	2.641	2.538	2.526	5.88	
24) T	1,1-Dichloroet...		1.995	1.846	1.794	1.772	1.701	1.822	6.03	
25) T	Ethyl Acetate		2.441	2.560	2.686	2.560	2.450	2.540	3.94	
26) T	Hexane		1.292	1.361	1.385	1.281	1.245	1.313	4.46	
27) T	Carbon Disulfide		1.852	1.924	1.911	2.034	2.038	1.952	4.17	
28) T	Methyl tert-Bu...		2.561	2.658	2.578	2.638	2.615	2.610	1.55	
29) T	Chloroform		2.575	2.405	2.237	2.280	2.422	2.384	5.57	
30) T	Cyclohexane		1.198	1.346	1.351	1.307	1.278	1.296	4.81	
31) T	cis-1,2-Dichlo...		1.249	1.329	1.340	1.361	1.338	1.323	3.26	
32) T	1,1,1-Trichlor...	3.740	2.666	2.536	2.452	2.315	2.461	2.668	2.691	17.80
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.547	0.539	0.585	0.524	0.470	0.533	7.86	
35) T	Carbon Tetrach...	1.089	0.908	0.836	0.832	0.798	0.824	0.871	0.880	11.24
36) T	Benzene		1.004	1.060	1.138	1.010	0.935	1.029	7.32	
37) T	1,2-Dichloroet...		0.727	0.701	0.692	0.688	0.711	0.704	2.24	

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38) T	Trichloroethene	0.671	0.436	0.446	0.453	0.454	0.392	0.363	0.459	21.65
39) T	1,2-Dichloropr...			0.355	0.371	0.386	0.349	0.317	0.356	7.30
40) T	1,4-Dioxane			0.053	0.055	0.099	0.111	0.091	0.082	32.04
41) T	Tetrahydrofuran			0.221	0.265	0.309	0.278	0.246	0.264	12.55
42) T	Bromodichlorom...			0.883	0.935	0.926	0.896	0.905	0.909	2.33
43)	Methyl Methacr...			0.324	0.369	0.408	0.398	0.380	0.376	8.72
44) T	2,2,4-Trimethy...			1.609	1.802	1.886	1.584	1.426	1.661	11.04
45) T	t-1,3-Dichloro...			0.458	0.569	0.639	0.685	0.692	0.609	16.04
46) T	cis-1,3-Dichlo...			0.573	0.678	0.737	0.742	0.731	0.692	10.29
47) T	1,1,2-Trichlor...			0.505	0.544	0.528	0.486	0.472	0.507	5.81
48) T	Dibromochlorom...			0.725	0.749	0.763	0.771	0.796	0.761	3.46
49) T	Bromoform			0.563	0.597	0.633	0.644	0.666	0.621	6.58
50) T	4-Methyl-2-Pen...			0.641	0.783	0.832	0.775	0.716	0.749	9.77
51) T	2-Hexanone			0.504	0.671	0.802	0.756	0.719	0.690	16.66
52) T	Tetrachloroethene	0.687	0.515	0.511	0.516	0.496	0.442	0.434	0.514	16.24
53) T	Toluene			1.301	1.536	1.578	1.440	1.397	1.451	7.63
54) T	1,2-Dibromoethane			0.815	0.838	0.824	0.766	0.770	0.803	4.06
55) I	Chlorobenzene-d5	-----ISTD-----								
56)	1,1,1,2-Tetrac...			0.496	0.487	0.478	0.420	0.420	0.460	8.09
57) T	Chlorobenzene			1.177	1.150	1.086	0.889	0.846	1.030	14.80
58) T	Ethyl Benzene			1.680	1.933	1.976	1.699	1.644	1.786	8.69
59) T	m/p-Xylene			1.538	1.648	1.592	1.318	1.265	1.472	11.58
60) T	o-Xylene			1.774	1.803	1.703	1.365	1.309	1.591	14.78
61) T	Styrene			0.494	0.620	0.694	0.650	0.651	0.622	12.25
62)	Isopropylbenzene			2.212	2.305	2.254	1.901	1.859	2.106	9.96
63) T	1,1,2,2-Tetrac...	1.701	1.228	1.301	1.231	1.143	0.874	0.825	1.186	24.61
64)	n-propylbenzene			0.605	0.624	0.591	0.504	0.500	0.565	10.39
65)	tert-Butylbenzene			2.117	2.237	2.173	1.583	1.539	1.930	17.60
66) T	Benzyl Chloride			0.562	0.666	0.730	0.735	0.754	0.690	11.38
67)	sec-Butylbenzene			3.111	3.272	3.063	2.462	2.403	2.862	13.98
68) S	1-Bromo-4-Fluo...	0.825	0.821	0.807	0.798	0.758	0.768	0.803	0.797	3.19
69)	p-Isopropyltol...			2.243	2.467	2.377	1.937	1.930	2.191	11.30
70)	n-Butylbenzene			2.211	2.596	2.508	2.041	2.040	2.279	11.43
71)	2-Chlorotoluene			1.563	1.783	1.777	1.547	1.532	1.640	7.79
72) T	4-Ethyltoluene			1.694	1.952	1.928	1.662	1.656	1.778	8.36
73) T	1,3,5-Trimethy...			1.723	1.847	1.800	1.527	1.533	1.686	8.84
74) T	1,2,4-Trimethy...			1.972	2.120	1.931	1.488	1.438	1.790	17.14
75) T	1,3-Dichlorobe...			1.283	1.255	1.146	0.927	0.918	1.106	15.82
76) T	1,4-Dichlorobe...			1.278	1.266	1.169	0.976	0.984	1.135	13.01
77) T	1,2-Dichlorobe...			1.241	1.247	1.166	0.968	0.989	1.122	12.03
78) T	Hexachloro-1,3...			0.518	0.521	0.493	0.386	0.371	0.458	16.01
79) T	Naphthalene			1.033	1.296	1.338	1.165	1.208	1.208	9.89
80) T	Naphthalene,2-...			0.143	0.137	0.189	0.298	0.171	0.188	34.76
81) T	1,2,4-Trichlor...			0.515	0.611	0.603	0.503	0.518	0.550	9.53

(#) = Out of Range