

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

Method File : VL012218AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 2018

Last Update : Mon Jan 22 17:52:32 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL031420.D 0.1 =VL031419.D 0.5 =VL031418.D 1 =VL031417.D 2 =VL031416.D 10 =VL031415.D 15 =VL031421.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		1.870	1.669	1.340	1.093	1.102	1.415	24.45	
3)	Chlorodifluoro...		1.492	1.403	1.423	1.089	1.206	1.323	12.74	
4)	Chloromethane		0.650	0.618	0.648	0.486	0.549	0.590	12.08	
5) T	Vinyl Chloride	0.463 0.567	0.605	0.629	0.644	0.499	0.566	0.567	11.71	
6) T	Bromomethane		0.439	0.447	0.440	0.354	0.401	0.416	9.42	
7)	Chloroethane		0.262	0.253	0.259	0.204	0.233	0.242	9.99	
8) T	Dichlorotetra...		1.832	1.738	1.680	1.274	1.362	1.577	15.52	
9) T	Propene		0.479	0.471	0.505	0.402	0.459	0.463	8.23	
10) T	Heptane		1.434	1.455	1.614	1.281	1.424	1.442	8.21	
11) T	Trichlorofluor...		2.186	2.020	2.068	1.543	1.726	1.909	13.91	
12) T	1,1,2-Trichlor...		1.317	1.281	1.310	0.977	1.094	1.196	12.76	
13)	Ethanol		0.184	0.154	0.140	0.101	0.117	0.139	23.19	
14) T	Bromoethene		0.516	0.470	0.525	0.412	0.468	0.478	9.46	
15) T	Acetone		1.570	1.415	1.496	1.018	1.158	1.331	17.61	
16) T	1,3-Butadiene		0.559	0.611	0.602	0.497	0.526	0.559	8.73	
17)	tert-Butyl alc...		0.700	0.670	0.699	0.560	0.612	0.648	9.37	
18) T	1,1-Dichloroet...		0.562	0.527	0.560	0.437	0.490	0.515	10.18	
19) T	Isopropyl Alcohol		0.919	0.882	0.896	0.686	0.772	0.831	11.88	
20) T	Methylene Chlo...		0.635	0.540	0.562	0.395	0.450	0.517	18.33	
21) T	Allyl Chloride		0.861	0.797	0.859	0.697	0.783	0.799	8.38	
22) T	trans-1,2-Dich...		0.597	0.553	0.576	0.457	0.520	0.541	10.08	
23) T	Vinyl Acetate		1.783	1.493	1.763	1.418	1.594	1.610	10.01	
24) T	1,1-Dichloroet...		1.537	1.483	1.536	1.168	1.299	1.405	11.69	
25) T	Ethyl Acetate		2.489	2.430	2.519	2.198	2.224	2.372	6.35	
26) T	Hexane		1.080	1.098	1.126	0.980	0.994	1.056	6.16	
27) T	Carbon Disulfide		1.410	1.392	1.509	1.231	1.396	1.388	7.18	
28) T	Methyl tert-Bu...		1.247	1.258	1.394	1.119	1.244	1.252	7.77	
29) T	Chloroform		1.909	1.896	1.905	1.743	1.651	1.821	6.46	
30) T	Cyclohexane		0.738	0.810	0.893	0.797	0.797	0.807	6.91	
31) T	cis-1,2-Dichlo...		0.964	0.999	1.069	0.969	0.990	0.998	4.21	
32) T	1,1,1-Trichlor...	1.497 1.698	1.918	1.900	1.960	1.731	1.714	1.774	9.19	
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.644	0.628	0.683	0.566	0.643	0.633	6.73	
35) T	Carbon Tetrach...	0.720 0.790	0.857	0.867	0.852	0.793	0.791	0.810	6.45	
36) T	Benzene		0.902	0.888	0.946	0.856	0.855	0.889	4.21	
37) T	1,2-Dichloroet...		0.728	0.721	0.717	0.649	0.636	0.690	6.39	

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38) T	Trichloroethene	0.261	0.333	0.375	0.370	0.388	0.320	0.375	0.346	13.00
39) T	1,2-Dichloropr...			0.350	0.345	0.355	0.288	0.331	0.334	8.06
40) T	1,4-Dioxane			0.152	0.139	0.137	0.116	0.137	0.136	9.60
41) T	Tetrahydrofuran			0.324	0.341	0.369	0.367	0.345	0.349	5.37
42) T	Bromodichlorom...			0.864	0.850	0.893	0.718	0.814	0.828	8.14
43)	Methyl Methacr...			0.304	0.309	0.352	0.305	0.355	0.325	8.06
44) T	2,2,4-Trimethy...			1.554	1.576	1.688	1.296	1.470	1.517	9.62
45) T	t-1,3-Dichloro...			0.397	0.433	0.489	0.466	0.546	0.466	12.13
46) T	cis-1,3-Dichlo...			0.530	0.533	0.610	0.550	0.636	0.572	8.44
47) T	1,1,2-Trichlor...			0.409	0.404	0.418	0.339	0.394	0.393	8.01
48) T	Dibromochlorom...			0.707	0.693	0.739	0.623	0.732	0.699	6.64
49) T	Bromoform			0.535	0.525	0.560	0.480	0.560	0.532	6.18
50) T	4-Methyl-2-Pen...			0.789	0.859	0.951	0.773	0.887	0.852	8.57
51) T	2-Hexanone			0.738	0.790	0.892	0.753	0.887	0.812	9.00
52) T	Tetrachloroethene	0.262	0.345	0.370	0.343	0.363	0.303	0.352	0.334	11.48
53) T	Toluene			0.974	1.038	1.148	0.970	1.117	1.049	7.73
54) T	1,2-Dibromoethane			0.617	0.600	0.651	0.546	0.638	0.610	6.68
55) I	Chlorobenzene-d5	-----ISTD-----								
56)	1,1,1,2-Tetrac...			0.509	0.497	0.499	0.432	0.437	0.475	7.81
57) T	Chlorobenzene			0.905	0.926	0.922	0.784	0.789	0.865	8.35
58) T	Ethyl Benzene			1.403	1.524	1.593	1.394	1.411	1.465	6.08
59) T	m/p-Xylene			1.282	1.327	1.359	1.138	1.164	1.254	7.83
60) T	o-Xylene			1.205	1.347	1.385	1.164	1.172	1.255	8.28
61) T	Styrene			0.220	0.253	0.299	0.290	0.301	0.273	12.97
62)	Isopropylbenzene			1.567	1.677	1.726	1.447	1.451	1.573	8.10
63) T	1,1,2,2-Tetrac...	0.888	0.831	0.937	0.937	0.938	0.755	0.762	0.864	9.45
64)	n-propylbenzene			0.387	0.402	0.427	0.365	0.371	0.390	6.40
65)	tert-Butylbenzene			1.372	1.471	1.555	1.267	1.279	1.389	8.93
66) T	Benzyl Chloride			0.127	0.138	0.144	0.136	0.148	0.139	5.80
67)	sec-Butylbenzene			1.920	2.062	2.201	1.759	1.758	1.940	9.95
68) S	1-Bromo-4-Fluo...	0.808	0.813	0.801	0.807	0.784	0.794	0.801	0.801	1.22
69)	p-Isopropyltol...			1.487	1.650	1.774	1.434	1.449	1.559	9.48
70)	n-Butylbenzene			1.537	1.738	1.888	1.470	1.471	1.621	11.43
71)	2-Chlorotoluene			1.146	1.267	1.315	1.098	1.110	1.187	8.25
72) T	4-Ethyltoluene			1.180	1.328	1.422	1.200	1.210	1.268	8.17
73) T	1,3,5-Trimethy...			1.103	1.225	1.292	1.070	1.078	1.154	8.61
74) T	1,2,4-Trimethy...			1.293	1.374	1.428	1.144	1.146	1.277	10.14
75) T	1,3-Dichlorobe...			0.852	0.836	0.879	0.696	0.704	0.794	10.92
76) T	1,4-Dichlorobe...			0.809	0.808	0.856	0.701	0.712	0.777	8.66
77) T	1,2-Dichlorobe...			0.802	0.833	0.854	0.672	0.683	0.769	11.12
78) T	Hexachloro-1,3...			0.281	0.421	0.264	0.192	0.195	0.270	34.40
79) T	Naphthalene			0.672	0.768	0.888	0.780	0.827	0.787	10.11
80) T	Naphthalene,2-...			0.167	0.152	0.195	0.281	0.303	0.219	31.06
81) T	1,2,4-Trichlor...			0.409	0.431	0.465	0.389	0.408	0.421	6.93

(#) = Out of Range