

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

Method File : VL121317AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017

Last Update : Thu Dec 14 04:29:58 2017

Response Via : Initial Calibration

Calibration Files

0.03=VL031217.D 0.1 =VL031216.D 0.5 =VL031215.D 1 =VL031214.D 2 =VL031213.D 10 =VL031212.D 15 =VL031218.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		1.416	0.652	0.802	0.795	0.559	0.845	39.68	
3)	Chlorodifluoro...		1.359	0.860	1.228	1.233	1.006	1.137	17.63	
4)	Chloromethane		0.722	0.455	0.662	0.665	0.567	0.614	17.08	
5) T	Vinyl Chloride	0.837	0.615	0.687	0.445	0.645	0.651	0.568	0.635	18.74
6) T	Bromomethane		0.449	0.279	0.402	0.401	0.351	0.376	17.10	
7)	Chloroethane		0.271	0.170	0.258	0.254	0.223	0.235	17.15	
8) T	Dichlorotetra...		1.659	1.013	1.190	1.209	0.793	1.173	27.23	
9) T	Propene		0.664	0.404	0.604	0.609	0.510	0.558	18.38	
10) T	Heptane		1.913	1.679	1.778	1.734	1.390	1.699	11.37	
11) T	Trichlorofluor...		1.653	1.071	1.521	1.468	1.229	1.388	16.90	
12) T	1,1,2-Trichlor...		1.086	1.003	0.979	0.962	0.833	0.973	9.39	
13)	Ethanol		0.223	0.141	0.178	0.137	0.125	0.161	24.87	
14) T	Bromoethene		0.476	0.319	0.461	0.445	0.390	0.418	15.40	
15) T	Acetone		1.891	1.088	1.421	1.199	0.999	1.320	27.01	
16) T	1,3-Butadiene		0.612	0.433	0.633	0.622	0.539	0.568	14.77	
17)	tert-Butyl alc...		0.865	0.556	0.813	0.806	0.663	0.741	17.21	
18) T	1,1-Dichloroet...		0.515	0.335	0.471	0.457	0.401	0.436	15.95	
19) T	Isopropyl Alcohol		1.011	0.612	0.913	0.894	0.746	0.835	18.75	
20) T	Methylene Chlo...		0.538	0.342	0.485	0.436	0.383	0.437	17.94	
21) T	Allyl Chloride		0.884	0.586	0.835	0.846	0.729	0.776	15.58	
22) T	trans-1,2-Dich...		0.576	0.542	0.531	0.557	0.472	0.536	7.32	
23) T	Vinyl Acetate		2.443	2.504	1.996	2.017	1.671	2.126	16.28	
24) T	1,1-Dichloroet...		1.699	1.642	1.551	1.553	1.276	1.544	10.54	
25) T	Ethyl Acetate		2.911	2.861	2.808	2.706	2.194	2.696	10.78	
26) T	Hexane		1.431	1.371	1.314	1.254	1.025	1.279	12.24	
27) T	Carbon Disulfide		1.325	1.260	1.299	1.359	1.161	1.281	5.93	
28) T	Methyl tert-Bu...		1.807	1.771	1.705	1.694	1.386	1.672	9.97	
29) T	Chloroform		1.857	1.821	1.792	1.686	1.478	1.727	8.85	
30) T	Cyclohexane		1.681	1.025	1.059	1.003	0.865	1.126	28.27	
31) T	cis-1,2-Dichlo...		1.240	1.221	1.155	1.191	0.992	1.160	8.56	
32) T	1,1,1-Trichlor...	1.695	1.648	2.851	1.734	1.797	1.756	1.442	1.846	24.82
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.538	0.833	0.778	0.780	0.603	0.706	18.14	
35) T	Carbon Tetrach...	0.791	0.673	0.760	0.755	0.741	0.715	0.580	0.716	9.88
36) T	Benzene		1.171	1.136	1.104	1.052	0.835	1.060	12.55	
37) T	1,2-Dichloroet...		0.646	0.622	0.600	0.589	0.466	0.585	11.95	

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38) T	Trichloroethene	0.574	0.443	0.319	0.423	0.434	0.400	0.300	0.413	21.90
39) T	1,2-Dichloropr...			0.380	0.398	0.401	0.391	0.305	0.375	10.63
40) T	1,4-Dioxane			0.121	0.144	0.140	0.151	0.119	0.135	10.64
41) T	Tetrahydrofuran			0.317	0.446	0.443	0.435	0.344	0.397	15.52
42) T	Bromodichlorom...			0.531	0.764	0.773	0.786	0.593	0.689	17.22
43)	Methyl Methacr...			0.276	0.389	0.400	0.402	0.308	0.355	16.57
44) T	2,2,4-Trimethy...			1.338	1.849	1.841	1.711	1.264	1.601	17.50
45) T	t-1,3-Dichloro...			0.353	0.496	0.535	0.578	0.465	0.485	17.57
46) T	cis-1,3-Dichlo...			0.460	0.644	0.698	0.702	0.549	0.611	17.12
47) T	1,1,2-Trichlor...			0.314	0.421	0.430	0.434	0.345	0.389	14.26
48) T	Dibromochlorom...			0.451	0.632	0.685	0.697	0.571	0.607	16.55
49) T	Bromoform			0.304	0.434	0.522	0.552	0.427	0.448	21.71
50) T	4-Methyl-2-Pen...			0.677	0.954	0.984	0.961	0.745	0.864	16.45
51) T	2-Hexanone			0.643	0.860	0.920	0.934	0.767	0.825	14.67
52) T	Tetrachloroethene	0.484	0.432	0.309	0.394	0.409	0.396	0.314	0.391	15.99
53) T	Toluene			0.934	1.259	1.297	1.258	1.001	1.150	14.68
54) T	1,2-Dibromoethane			0.481	0.615	0.654	0.657	0.538	0.589	13.11
55) I	Chlorobenzene-d5	-----ISTD-----								
56)	1,1,1,2-Tetrac...			0.506	0.509	0.487	0.412	0.316	0.446	18.55
57) T	Chlorobenzene			1.119	1.074	1.001	0.832	0.635	0.932	21.31
58) T	Ethyl Benzene			1.971	1.884	1.754	1.506	1.141	1.651	20.29
59) T	m/p-Xylene			1.593	1.529	1.411	1.190	0.886	1.322	21.76
60) T	o-Xylene			1.642	1.509	1.437	1.194	0.880	1.332	22.56
61) T	Styrene			0.439	0.415	0.402	0.369	0.287	0.382	15.47
62)	Isopropylbenzene			2.110	1.980	1.874	1.587	1.184	1.747	21.13
63) T	1,1,2,2-Tetrac...	1.034	0.948	1.042	0.971	0.919	0.767	0.570	0.893	18.99
64)	n-propylbenzene			0.542	0.523	0.500	0.427	0.326	0.464	19.11
65)	tert-Butylbenzene			1.964	1.784	1.686	1.316	0.987	1.547	25.36
66) T	Benzyl Chloride			0.153	0.175	0.189	0.184	0.133	0.167	13.86
67)	sec-Butylbenzene			2.636	2.439	2.293	1.867	1.404	2.128	23.19
68) S	1-Bromo-4-Fluo...	0.743	0.738	0.724	0.707	0.705	0.693	0.670	0.711	3.65
69)	p-Isopropyltol...			2.193	2.023	1.939	1.549	1.170	1.775	23.25
70)	n-Butylbenzene			2.054	1.961	1.873	1.509	1.159	1.711	21.71
71)	2-Chlorotoluene			1.549	1.463	1.384	1.183	0.904	1.297	19.89
72) T	4-Ethyltoluene			1.761	1.630	1.560	1.335	1.011	1.459	20.19
73) T	1,3,5-Trimethy...			1.590	1.459	1.382	1.177	0.887	1.299	21.15
74) T	1,2,4-Trimethy...			1.726	1.581	1.468	1.179	0.879	1.367	24.77
75) T	1,3-Dichlorobe...			1.028	0.991	0.952	0.769	0.591	0.866	21.13
76) T	1,4-Dichlorobe...			1.059	0.981	0.941	0.794	0.604	0.876	20.55
77) T	1,2-Dichlorobe...			1.028	0.951	0.918	0.752	0.584	0.846	21.03
78) T	Hexachloro-1,3...			0.239	0.213	0.217	0.166	0.137	0.194	21.52
79) T	Naphthalene			1.302	1.209	1.216	1.011	0.791	1.106	18.59
80) T	Naphthalene, 2-...			0.412	0.392	0.446	0.438	0.372	0.412	7.52
81) T	1,2,4-Trichlor...			0.615	0.561	0.572	0.464	0.362	0.515	19.73

(#) = Out of Range