

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

Method File : VL053118AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Jun 01 02:31:35 2018

Last Update : Fri Jun 01 02:31:35 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL032021.D 0.1 =VL032020.D 0.5 =VL032019.D 1 =VL032018.D 2 =VL032017.D 10 =VL032016.D 15 =VL032022.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		1.820	1.285	1.063	0.978	0.867	1.203	31.40	
3)	Chlorodifluoro...		1.081	1.134	0.956	0.848	0.685	0.941	19.25	
4)	Chloromethane		0.506	0.545	0.498	0.437	0.400	0.477	12.20	
5) T	Vinyl Chloride	0.538	0.592	0.558	0.596	0.527	0.459	0.439	0.530	11.52
6) T	Bromomethane		0.395	0.408	0.368	0.332	0.318	0.364	10.67	
7)	Chloroethane		0.242	0.279	0.220	0.194	0.194	0.226	15.87	
8) T	Dichlorotetra...		1.422	1.615	1.310	1.155	1.053	1.311	16.87	
9) T	Propene		0.284	0.311	0.316	0.326	0.299	0.307	5.28	
10) T	Heptane		0.943	1.126	1.161	1.133	1.085	1.090	7.93	
11) T	Trichlorofluor...		2.262	2.143	2.051	1.470	1.332	1.851	22.75	
12) T	1,1,2-Trichlor...		1.414	1.384	1.304	1.155	1.091	1.270	11.15	
13)	Ethanol		0.144	0.156	0.115	0.097	0.089	0.120	24.28	
14) T	Bromoethene		0.455	0.538	0.497	0.387	0.355	0.446	16.92	
15) T	Acetone		1.227	1.552	1.378	0.986	0.887	1.206	22.72	
16) T	1,3-Butadiene		0.475	0.450	0.441	0.454	0.381	0.440	8.05	
17)	tert-Butyl alc...		0.626	0.635	0.617	0.554	0.461	0.578	12.66	
18) T	1,1-Dichloroet...		0.599	0.591	0.578	0.490	0.503	0.552	9.38	
19) T	Isopropyl Alcohol		0.895	0.886	0.876	0.739	0.595	0.798	16.34	
20) T	Methylene Chlo...		0.626	0.600	0.576	0.458	0.480	0.548	13.65	
21) T	Allyl Chloride		0.856	0.914	0.879	0.815	0.786	0.850	5.98	
22) T	trans-1,2-Dich...		0.657	0.628	0.593	0.565	0.525	0.594	8.71	
23) T	Vinyl Acetate		1.629	1.732	1.667	1.639	1.495	1.633	5.31	
24) T	1,1-Dichloroet...		1.752	1.722	1.609	1.473	1.387	1.589	9.90	
25) T	Ethyl Acetate		2.467	2.489	2.541	2.307	2.138	2.388	6.91	
26) T	Hexane		1.063	1.159	1.205	1.099	1.024	1.110	6.56	
27) T	Carbon Disulfide		1.376	1.531	1.479	1.505	1.381	1.454	4.96	
28) T	Methyl tert-Bu...		1.258	1.438	1.451	1.411	1.312	1.374	6.18	
29) T	Chloroform		2.054	1.950	1.992	1.759	1.608	1.873	9.83	
30) T	Cyclohexane		0.571	0.616	0.719	0.696	0.676	0.656	9.24	
31) T	cis-1,2-Dichlo...		0.853	1.025	1.054	1.050	1.014	0.999	8.36	
32) T	1,1,1-Trichlor...	1.780	1.541	1.544	1.573	1.507	1.414	1.327	1.527	9.27
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.754	0.836	0.832	0.778	0.732	0.786	5.88	
35) T	Carbon Tetrach...	1.053	0.876	0.848	0.850	0.838	0.780	0.726	0.853	11.96
36) T	Benzene		0.813	0.922	0.927	0.874	0.857	0.879	5.37	
37) T	1,2-Dichloroet...		0.629	0.707	0.669	0.614	0.550	0.634	9.34	

Method	Path : W:\HPCHEM1\MSV0A_L\METHODS\									
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38) T	Trichloroethene	0.317	0.279	0.317	0.362	0.387	0.357	0.342	0.337	10.69
39) T	1,2-Dichloropr...			0.318	0.341	0.336	0.318	0.308	0.324	4.20
40) T	1,4-Dioxane			0.132	0.160	0.132	0.140	0.134	0.139	8.71
41) T	Tetrahydrofuran			0.239	0.293	0.401	0.381	0.375	0.338	20.41
42) T	Bromodichlorom...			0.782	0.854	0.828	0.762	0.733	0.792	6.19
43)	Methyl Methacr...			0.241	0.302	0.332	0.339	0.316	0.306	12.72
44) T	2,2,4-Trimethy...			1.351	1.655	1.614	1.489	1.415	1.505	8.55
45) T	t-1,3-Dichloro...			0.283	0.386	0.434	0.488	0.477	0.414	20.19
46) T	cis-1,3-Dichlo...			0.401	0.516	0.550	0.597	0.563	0.525	14.32
47) T	1,1,2-Trichlor...			0.392	0.437	0.419	0.378	0.374	0.400	6.77
48) T	Dibromochlorom...			0.628	0.698	0.684	0.661	0.640	0.662	4.41
49) T	Bromoform			0.456	0.520	0.554	0.547	0.524	0.520	7.43
50) T	4-Methyl-2-Pen...			0.650	0.789	0.828	0.789	0.766	0.764	8.83
51) T	2-Hexanone			0.531	0.690	0.742	0.755	0.713	0.686	13.20
52) T	Tetrachloroethene	0.390	0.293	0.331	0.377	0.365	0.347	0.339	0.349	9.28
53) T	Toluene			0.734	0.993	1.079	1.070	1.040	0.983	14.59
54) T	1,2-Dibromoethane			0.529	0.624	0.616	0.585	0.574	0.586	6.47
55) I	Chlorobenzene-d5			-----ISTD-----						
56)	1,1,1,2-Tetrac...			0.513	0.514	0.508	0.441	0.437	0.483	8.21
57) T	Chlorobenzene			0.996	0.980	0.955	0.826	0.810	0.913	9.68
58) T	Ethyl Benzene			1.115	1.416	1.561	1.486	1.452	1.406	12.18
59) T	m/p-Xylene			1.106	1.277	1.349	1.238	1.195	1.233	7.37
60) T	o-Xylene			1.043	1.256	1.399	1.261	1.222	1.236	10.30
61) T	Styrene			0.159	0.192	0.251	0.302	0.291	0.239	26.10
62)	Isopropylbenzene			1.435	1.597	1.733	1.566	1.551	1.577	6.78
63) T	1,1,2,2-Tetrac...	1.178	0.901	0.985	0.987	0.989	0.839	0.827	0.958	12.44
64)	n-propylbenzene			0.347	0.395	0.430	0.398	0.398	0.394	7.58
65)	tert-Butylbenzene			1.207	1.457	1.516	1.359	1.350	1.378	8.55
66) T	Benzyl Chloride			0.146	0.142	0.152	0.149	0.176	0.153	8.85
67)	sec-Butylbenzene			1.842	2.070	2.205	1.937	1.945	2.000	7.02
68) S	1-Bromo-4-Fluo...	0.781	0.781	0.783	0.771	0.756	0.760	0.776	0.772	1.39
69)	p-Isopropyltol...			1.287	1.547	1.749	1.567	1.594	1.549	10.75
70)	n-Butylbenzene			1.368	1.606	1.748	1.592	1.664	1.596	8.85
71)	2-Chlorotoluene			0.977	1.157	1.273	1.197	1.191	1.159	9.52
72) T	4-Ethyltoluene			0.935	1.205	1.376	1.330	1.303	1.230	14.31
73) T	1,3,5-Trimethy...			0.954	1.111	1.249	1.171	1.188	1.135	9.89
74) T	1,2,4-Trimethy...			1.201	1.319	1.378	1.250	1.245	1.279	5.46
75) T	1,3-Dichlorobe...			0.926	0.959	0.917	0.796	0.796	0.879	8.82
76) T	1,4-Dichlorobe...			0.805	0.879	0.890	0.803	0.810	0.837	5.19
77) T	1,2-Dichlorobe...			0.857	0.857	0.890	0.761	0.792	0.832	6.35
78) T	Hexachloro-1,3...			0.386	0.377	0.350	0.254	0.282	0.330	17.87
79) T	Naphthalene			0.404	0.544	0.741	0.898	1.036	0.724	35.36
80) T	Naphthalene,2-...			0.036	0.042	0.072	0.436	0.307	0.179	102.12
81) T	1,2,4-Trichlor...			0.317	0.370	0.446	0.464	0.527	0.425	19.33

 (#) = Out of Range