

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

Method File : VL050318AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018

Last Update : Thu May 03 15:52:13 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL031965.D 0.1 =VL031964.D 0.5 =VL031963.D 1 =VL031962.D 2 =VL031961.D 10 =VL031960.D 15 =VL031966.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		1.394	1.132	1.799	1.208	1.072	1.321	22.19	
3)	Chlorodifluoro...		1.058	1.035	1.079	0.853	0.680	0.941	18.20	
4)	Chloromethane		0.523	0.536	0.533	0.482	0.404	0.496	11.24	
5) T	Vinyl Chloride	0.801	0.531	0.558	0.548	0.543	0.495	0.439	0.559	20.41
6) T	Bromomethane		0.422	0.394	0.369	0.344	0.294	0.364	13.45	
7)	Chloroethane		0.231	0.230	0.224	0.197	0.181	0.213	10.53	
8) T	Dichlorotetra...		1.490	1.372	1.453	1.208	1.054	1.315	13.84	
9) T	Propene		0.316	0.352	0.398	0.346	0.312	0.345	10.09	
10) T	Heptane		1.183	1.238	1.300	1.137	1.072	1.186	7.46	
11) T	Trichlorofluor...		1.945	1.933	1.584	1.339	1.172	1.595	21.75	
12) T	1,1,2-Trichlor...		1.245	1.211	1.234	1.007	0.919	1.123	13.35	
13)	Ethanol		0.172	0.148	0.133	0.103	0.087	0.129	26.53	
14) T	Bromoethene		0.449	0.460	0.432	0.387	0.348	0.415	11.30	
15) T	Acetone		1.886	1.836	1.457	1.073	0.816	1.414	33.12	
16) T	1,3-Butadiene		0.448	0.448	0.514	0.465	0.397	0.454	9.28	
17)	tert-Butyl alc...		0.675	0.690	0.688	0.558	0.312	0.585	27.72	
18) T	1,1-Dichloroet...		0.556	0.553	0.562	0.439	0.352	0.493	18.98	
19) T	Isopropyl Alcohol		0.904	0.952	0.763	0.669	0.533	0.764	22.41	
20) T	Methylene Chlo...		0.529	0.538	0.522	0.428	0.368	0.477	15.79	
21) T	Allyl Chloride		0.865	0.820	0.869	0.779	0.697	0.806	8.81	
22) T	trans-1,2-Dich...		0.622	0.556	0.599	0.503	0.453	0.547	12.64	
23) T	Vinyl Acetate		1.546	1.801	1.751	1.597	1.381	1.615	10.39	
24) T	1,1-Dichloroet...		1.735	1.657	1.581	1.356	1.208	1.507	14.55	
25) T	Ethyl Acetate		2.523	2.608	2.615	2.287	2.103	2.427	9.25	
26) T	Hexane		1.210	1.216	1.220	1.066	0.992	1.141	9.24	
27) T	Carbon Disulfide		1.199	1.338	1.398	1.301	1.155	1.278	7.83	
28) T	Methyl tert-Bu...		1.403	1.521	1.551	1.377	1.163	1.403	10.94	
29) T	Chloroform		1.987	1.953	1.938	1.630	1.514	1.805	12.02	
30) T	Cyclohexane		0.744	0.749	0.841	0.713	0.756	0.760	6.28	
31) T	cis-1,2-Dichlo...		1.006	1.087	1.174	1.006	0.944	1.044	8.51	
32) T	1,1,1-Trichlor...	2.214	1.515	1.617	1.666	1.717	1.420	1.499	1.664	15.83
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.938	0.930	0.879	0.770	0.608	0.825	16.79	
35) T	Carbon Tetrach...	0.964	0.749	0.777	0.790	0.816	0.717	0.735	0.793	10.42
36) T	Benzene		0.909	0.955	0.986	0.887	0.974	0.942	4.53	
37) T	1,2-Dichloroet...		0.676	0.765	0.667	0.678	0.600	0.677	8.66	

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38) T	Trichloroethene	0.384	0.323	0.365	0.390	0.389	0.348	0.305	0.358	9.45
39) T	1,2-Dichloropr...			0.348	0.346	0.350	0.314	0.282	0.328	9.10
40) T	1,4-Dioxane			0.167	0.159	0.153	0.141	0.119	0.148	12.56
41) T	Tetrahydrofuran			0.319	0.332	0.418	0.394	0.334	0.359	12.12
42) T	Bromodichlorom...			0.785	0.811	0.807	0.726	0.645	0.755	9.27
43)	Methyl Methacr...			0.297	0.327	0.347	0.324	0.293	0.317	7.04
44) T	2,2,4-Trimethy...			1.534	1.671	1.668	1.444	1.281	1.519	10.80
45) T	t-1,3-Dichloro...			0.354	0.412	0.450	0.463	0.424	0.421	10.07
46) T	cis-1,3-Dichlo...			0.445	0.525	0.557	0.570	0.500	0.519	9.60
47) T	1,1,2-Trichlor...			0.403	0.424	0.411	0.369	0.333	0.388	9.49
48) T	Dibromochlorom...			0.583	0.656	0.684	0.626	0.563	0.622	8.02
49) T	Bromoform			0.440	0.492	0.506	0.494	0.482	0.483	5.19
50) T	4-Methyl-2-Pen...			0.754	0.829	0.846	0.783	0.686	0.779	8.18
51) T	2-Hexanone			0.609	0.761	0.800	0.746	0.631	0.709	11.90
52) T	Tetrachloroethene	0.333	0.358	0.352	0.373	0.371	0.340	0.314	0.349	6.06
53) T	Toluene			0.880	1.065	1.145	1.051	0.936	1.015	10.46
54) T	1,2-Dibromoethane			0.552	0.605	0.628	0.576	0.529	0.578	6.89
55) I	Chlorobenzene-d5	-----ISTD-----								
56)	1,1,1,2-Tetrac...			0.482	0.505	0.488	0.415	0.387	0.455	11.31
57) T	Chlorobenzene			0.959	0.954	0.915	0.763	0.722	0.862	12.94
58) T	Ethyl Benzene			1.317	1.514	1.610	1.404	1.317	1.432	8.94
59) T	m/p-Xylene			1.214	1.326	1.340	1.124	1.069	1.215	9.89
60) T	o-Xylene			1.174	1.334	1.352	1.142	1.094	1.219	9.57
61) T	Styrene			0.190	0.221	0.274	0.282	0.269	0.247	16.18
62)	Isopropylbenzene			1.549	1.679	1.713	1.449	1.401	1.558	8.81
63) T	1,1,2,2-Tetrac...	0.991	0.842	0.905	0.921	0.914	0.747	0.740	0.866	10.88
64)	n-propylbenzene			0.387	0.414	0.429	0.363	0.360	0.391	7.83
65)	tert-Butylbenzene			1.412	1.519	1.515	1.269	1.235	1.390	9.60
66) T	Benzyl Chloride			0.116	0.113	0.114	0.124	0.164	0.126	17.19
67)	sec-Butylbenzene			1.878	2.108	2.096	1.787	1.778	1.929	8.41
68) S	1-Bromo-4-Fluo...	0.800	0.809	0.799	0.769	0.741	0.751	0.759	0.775	3.47
69)	p-Isopropyltol...			1.445	1.659	1.707	1.474	1.470	1.551	7.87
70)	n-Butylbenzene			1.515	1.737	1.747	1.505	1.519	1.605	7.83
71)	2-Chlorotoluene			1.072	1.222	1.237	1.091	1.082	1.141	7.13
72) T	4-Ethyltoluene			1.123	1.310	1.352	1.208	1.194	1.237	7.49
73) T	1,3,5-Trimethy...			1.096	1.215	1.238	1.095	1.077	1.144	6.62
74) T	1,2,4-Trimethy...			1.278	1.381	1.390	1.139	1.142	1.266	9.67
75) T	1,3-Dichlorobe...			0.811	0.844	0.827	0.697	0.726	0.781	8.35
76) T	1,4-Dichlorobe...			0.809	0.808	0.811	0.709	0.729	0.773	6.44
77) T	1,2-Dichlorobe...			0.826	0.854	0.825	0.701	0.725	0.786	8.68
78) T	Hexachloro-1,3...			0.350	0.304	0.300	0.408	0.425	0.357	16.23
79) T	Naphthalene			0.741	0.848	0.930	0.882	1.006	0.881	11.19
80) T	Naphthalene, 2-...			0.098	0.125	0.182	0.322	0.325	0.210	51.25
81) T	1,2,4-Trichlor...			0.481	0.497	0.509	0.459	0.498	0.489	4.00

 (#) = Out of Range