

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\

Method File : VL071218AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Jul 13 04:25:14 2018

Last Update : Fri Jul 13 04:25:14 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL032233.D 0.1 =VL032232.D 0.5 =VL032231.D 1 =VL032230.D 2 =VL032229.D 10 =VL032228.D 15 =VL032234.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		1.871	1.572	1.702	1.185	0.868	1.440	28.30	
3)	Chlorodifluoro...		1.256	1.413	1.148	1.278	1.048	1.229	11.25	
4)	Chloromethane		0.789	0.704	0.667	0.750	0.586	0.699	11.17	
5) T	Vinyl Chloride	0.581	0.788	0.783	0.752	0.641	0.723	0.554	0.689	14.02
6) T	Bromomethane		0.427	0.388	0.380	0.406	0.316	0.383	10.84	
7)	Chloroethane		0.248	0.248	0.235	0.253	0.204	0.237	8.42	
8) T	Dichlorotetra...		1.935	1.899	1.430	1.513	1.130	1.581	21.39	
9) T	Propene		0.540	0.553	0.483	0.566	0.477	0.524	7.79	
10) T	Heptane		1.294	1.434	1.689	1.598	1.424	1.488	10.48	
11) T	Trichlorofluor...		1.559	1.467	1.405	1.283	1.173	1.377	11.04	
12) T	1,1,2-Trichlor...		0.981	0.963	0.914	0.795	0.745	0.880	11.89	
13)	Ethanol		0.190	0.177	0.155	0.132	0.103	0.151	23.05	
14) T	Bromoethene		0.451	0.442	0.430	0.393	0.358	0.415	9.28	
15) T	Acetone		1.341	1.234	1.251	1.016	0.960	1.160	14.09	
16) T	1,3-Butadiene		0.619	0.586	0.585	0.650	0.491	0.586	10.14	
17)	tert-Butyl alc...		0.551	0.577	0.524	0.558	0.499	0.542	5.63	
18) T	1,1-Dichloroet...		0.441	0.428	0.424	0.383	0.371	0.409	7.44	
19) T	Isopropyl Alcohol		0.852	0.810	0.698	0.771	0.679	0.762	9.61	
20) T	Methylene Chlo...		0.459	0.422	0.401	0.344	0.339	0.393	13.07	
21) T	Allyl Chloride		0.685	0.661	0.704	0.682	0.665	0.679	2.56	
22) T	trans-1,2-Dich...		0.375	0.368	0.420	0.392	0.393	0.390	5.19	
23) T	Vinyl Acetate		1.737	1.947	2.042	1.971	1.952	1.930	5.91	
24) T	1,1-Dichloroet...		1.342	1.436	1.447	1.297	1.254	1.355	6.27	
25) T	Ethyl Acetate		2.328	2.391	2.458	2.176	2.130	2.296	6.10	
26) T	Hexane		1.057	1.089	1.145	0.992	0.955	1.048	7.23	
27) T	Carbon Disulfide		0.852	0.968	0.925	0.988	0.954	0.937	5.62	
28) T	Methyl tert-Bu...		1.481	1.685	1.777	1.700	1.601	1.649	6.84	
29) T	Chloroform		1.736	1.690	1.704	1.509	1.447	1.617	8.05	
30) T	Cyclohexane		0.773	0.929	1.045	0.995	0.880	0.924	11.40	
31) T	cis-1,2-Dichlo...		0.970	1.037	1.111	1.064	1.044	1.045	4.88	
32) T	1,1,1-Trichlor...	1.480	1.412	1.494	1.575	1.838	1.712	1.474	1.569	9.75
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.740	0.703	0.694	0.602	0.667	0.681	7.57	
35) T	Carbon Tetrach...	0.660	0.629	0.723	0.697	0.754	0.656	0.617	0.677	7.40
36) T	Benzene		1.023	1.031	1.089	0.937	0.890	0.994	7.99	
37) T	1,2-Dichloroet...		0.607	0.574	0.548	0.498	0.493	0.544	8.99	

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38) T	Trichloroethene	0.373	0.329	0.379	0.337	0.368	0.310	0.291	0.341	9.92
39) T	1,2-Dichloropr...			0.403	0.407	0.423	0.371	0.370	0.395	5.88
40) T	1,4-Dioxane			0.162	0.153	0.137	0.118	0.107	0.135	17.03
41) T	Tetrahydrofuran			0.390	0.370	0.384	0.374	0.388	0.381	2.28
42) T	Bromodichlorom...			0.797	0.794	0.844	0.732	0.706	0.775	7.14
43)	Methyl Methacr...			0.354	0.366	0.421	0.390	0.388	0.384	6.75
44) T	2,2,4-Trimethy...			1.759	1.795	1.920	1.568	1.504	1.709	9.98
45) T	t-1,3-Dichloro...			0.364	0.421	0.467	0.534	0.501	0.457	14.63
46) T	cis-1,3-Dichlo...			0.569	0.609	0.638	0.619	0.684	0.624	6.71
47) T	1,1,2-Trichlor...			0.494	0.466	0.449	0.384	0.413	0.441	9.87
48) T	Dibromochlorom...			0.638	0.676	0.677	0.615	0.675	0.656	4.33
49) T	Bromoform			0.502	0.538	0.554	0.502	0.534	0.526	4.42
50) T	4-Methyl-2-Pen...			1.200	1.236	1.222	1.055	1.181	1.179	6.13
51) T	2-Hexanone			0.975	0.979	1.042	0.906	1.019	0.984	5.27
52) T	Tetrachloroethene	0.476	0.362	0.391	0.380	0.352	0.297	0.313	0.367	16.08
53) T	Toluene			1.184	1.201	1.229	1.072	1.189	1.175	5.11
54) T	1,2-Dibromoethane			0.694	0.696	0.650	0.575	0.642	0.651	7.59
55) I	Chlorobenzene-d5	-----ISTD-----								
56)	1,1,1,2-Tetrac...			0.486	0.472	0.477	0.386	0.351	0.434	14.21
57) T	Chlorobenzene			0.988	0.939	0.911	0.722	0.666	0.845	16.81
58) T	Ethyl Benzene			1.469	1.561	1.634	1.354	1.264	1.456	10.31
59) T	m/p-Xylene			1.288	1.305	1.327	1.072	0.999	1.198	12.64
60) T	o-Xylene			1.279	1.312	1.316	1.044	0.960	1.182	14.18
61) T	Styrene			0.834	0.923	0.991	0.863	0.818	0.886	8.04
62)	Isopropylbenzene			1.807	1.819	1.838	1.474	1.351	1.658	13.76
63) T	1,1,2,2-Tetrac...	1.059	0.988	1.082	1.069	1.053	0.773	0.709	0.962	16.11
64)	n-propylbenzene			0.441	0.452	0.460	0.385	0.360	0.420	10.64
65)	tert-Butylbenzene			1.507	1.553	1.593	1.205	1.085	1.389	16.45
66) T	Benzyl Chloride			0.517	0.635	0.786	0.823	0.753	0.703	17.87
67)	sec-Butylbenzene			2.129	2.237	2.349	1.798	1.632	2.029	14.91
68) S	1-Bromo-4-Fluo...	0.799	0.799	0.796	0.782	0.759	0.742	0.742	0.774	3.38
69)	p-Isopropyltol...			1.622	1.738	1.782	1.443	1.315	1.580	12.53
70)	n-Butylbenzene			1.806	1.880	1.967	1.611	1.462	1.745	11.78
71)	2-Chlorotoluene			1.367	1.406	1.457	1.186	1.109	1.305	11.48
72) T	4-Ethyltoluene			1.311	1.424	1.470	1.261	1.167	1.327	9.25
73) T	1,3,5-Trimethy...			1.217	1.301	1.354	1.191	1.104	1.234	7.90
74) T	1,2,4-Trimethy...			1.350	1.367	1.383	1.160	1.046	1.261	11.93
75) T	1,3-Dichlorobe...			0.848	0.851	0.833	0.642	0.588	0.752	16.93
76) T	1,4-Dichlorobe...			0.783	0.804	0.821	0.658	0.618	0.737	12.52
77) T	1,2-Dichlorobe...			0.842	0.820	0.832	0.643	0.603	0.748	15.40
78) T	Hexachloro-1,3...			0.267	0.251	0.270	0.192	0.186	0.233	17.56
79) T	Naphthalene			0.571	0.606	0.730	1.185	1.143	0.847	34.93
80) T	Naphthalene,2-...			0.038	0.034	0.049	0.635	0.595	0.271	116.50
81) T	1,2,4-Trichlor...			0.337	0.354	0.399	0.527	0.502	0.424	20.35

(#) = Out of Range