

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

Method File : VL091719AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019

Last Update : Wed Sep 18 12:53:31 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL034175.D 0.1 =VL034174.D 0.5 =VL034173.D 1 =VL034172.D 2 =VL034171.D 10 =VL034170.D 15 =VL034176.D

	Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			1.779	1.491	1.874	1.221	1.021	1.477	24.47
3)	Chlorodifluoro...			1.230	1.268	1.213	1.092	1.059	1.173	7.77
4)	Chloromethane			0.749	0.702	0.692	0.651	0.652	0.689	5.93
5) T	Vinyl Chloride	0.790	0.592	0.604	0.655	0.623	0.574	0.570	0.630	12.18
6) T	Bromomethane			0.310	0.301	0.297	0.281	0.279	0.294	4.56
7)	Chloroethane			0.233	0.232	0.215	0.209	0.211	0.220	5.40
8) T	Dichlorotetra...			1.418	1.423	1.390	1.177	1.109	1.304	11.41
9) T	Propene			0.581	0.615	0.603	0.551	0.543	0.578	5.41
10) T	Heptane			1.528	1.571	1.603	1.442	1.393	1.508	5.84
11) T	Trichlorofluor...			1.408	1.433	1.450	1.238	1.195	1.345	8.86
12) T	1,1,2-Trichlor...			0.942	0.931	0.920	0.814	0.794	0.880	8.00
13)	Ethanol			0.166	0.175	0.164	0.091	0.104	0.140	28.11
14) T	Bromoethene			0.348	0.375	0.375	0.353	0.347	0.360	3.91
15) T	Acetone			1.564	1.540	1.478	1.059	1.060	1.340	19.27
16) T	1,3-Butadiene			0.565	0.588	0.639	0.566	0.567	0.585	5.46
17)	tert-Butyl alc...			0.972	0.959	0.652	0.804	0.859	0.849	15.36
18) T	1,1-Dichloroet...			0.396	0.362	0.412	0.373	0.375	0.384	5.24
19) T	Isopropyl Alcohol			1.018	0.978	0.653	0.688	0.784	0.824	20.15
20) T	Methylene Chlo...			0.446	0.402	0.413	0.334	0.338	0.386	12.67
21) T	Allyl Chloride			0.744	0.762	0.785	0.751	0.743	0.757	2.29
22) T	trans-1,2-Dich...			0.378	0.399	0.385	0.375	0.383	0.384	2.42
23) T	Vinyl Acetate			1.949	2.060	2.150	1.879	1.837	1.975	6.54
24) T	1,1-Dichloroet...			1.403	1.429	1.405	1.224	1.189	1.330	8.56
25) T	Ethyl Acetate			2.791	2.751	2.733	2.259	2.138	2.534	12.24
26) T	Hexane			1.111	1.106	1.157	0.960	0.938	1.054	9.35
27) T	Carbon Disulfide			0.860	0.939	1.028	1.014	1.022	0.972	7.45
28) T	Methyl tert-Bu...			1.580	1.678	1.651	1.489	1.431	1.566	6.70
29) T	Chloroform			1.607	1.531	1.597	1.420	1.379	1.507	6.85
30) T	Cyclohexane			0.746	0.800	0.789	0.740	0.730	0.761	4.11
31) T	cis-1,2-Dichlo...			1.107	1.068	1.117	1.048	1.033	1.075	3.39
32) T	1,1,1-Trichlor...	1.843	1.337	1.410	1.456	1.442	1.357	1.326	1.453	12.36
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			1.079	1.122	1.092	0.936	0.876	1.021	10.59
35) T	Carbon Tetrach...	0.992	0.823	0.804	0.833	0.859	0.772	0.732	0.831	9.94
36) T	Benzene			1.190	1.179	1.178	1.026	0.949	1.104	10.00
37) T	1,2-Dichloroet...			0.809	0.845	0.835	0.740	0.699	0.786	8.06
38) T	Trichloroethene	0.451	0.434	0.392	0.406	0.409	0.347	0.323	0.395	11.56
39) T	1,2-Dichloropr...			0.525	0.539	0.518	0.461	0.439	0.496	8.79

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40)	T	1,4-Dioxane			0.172	0.200	0.159	0.134	0.137	0.161	16.92
41)	T	Tetrahydrofuran			0.544	0.614	0.620	0.561	0.536	0.575	6.88
42)	T	Bromodichlorom...			0.951	0.985	1.019	0.911	0.847	0.943	7.10
43)		Methyl Methacr...			0.449	0.448	0.495	0.452	0.438	0.456	4.83
44)	T	2,2,4-Trimethy...			2.381	2.372	2.327	1.876	1.674	2.126	15.47
45)	T	t-1,3-Dichloro...			0.427	0.500	0.571	0.608	0.591	0.539	13.89
46)	T	cis-1,3-Dichlo...			0.572	0.641	0.705	0.681	0.647	0.649	7.75
47)	T	1,1,2-Trichlor...			0.490	0.459	0.472	0.411	0.396	0.446	9.06
48)	T	Dibromochlorom...			0.703	0.726	0.758	0.693	0.650	0.706	5.65
49)	T	Bromoform			0.525	0.565	0.628	0.581	0.559	0.572	6.55
50)	T	4-Methyl-2-Pen...			1.545	1.658	1.615	1.361	1.251	1.486	11.69
51)	T	2-Hexanone			1.143	1.382	1.416	1.181	1.113	1.247	11.32
52)	T	Tetrachloroethene	0.486	0.322	0.394	0.359	0.367	0.321	0.305	0.365	16.88
53)	T	Toluene			1.242	1.284	1.310	1.142	1.059	1.207	8.68
54)	T	1,2-Dibromoethane			0.671	0.724	0.707	0.622	0.590	0.663	8.50

55)	I	Chlorobenzene-d5	-----ISTD-----								
56)		1,1,1,2-Tetrac...			0.471	0.480	0.481	0.410	0.387	0.446	9.89
57)	T	Chlorobenzene			1.022	0.961	0.918	0.751	0.702	0.871	15.86
58)	T	Ethyl Benzene			1.777	1.801	1.743	1.424	1.323	1.614	13.83
59)	T	m/p-Xylene			1.467	1.530	1.471	1.151	1.062	1.336	15.97
60)	T	o-Xylene			1.464	1.513	1.487	1.145	1.073	1.336	15.69
61)	T	Styrene			0.962	1.031	1.067	0.880	0.846	0.957	9.88
62)		Isopropylbenzene			1.928	1.948	1.916	1.482	1.376	1.730	16.05
63)	T	1,1,2,2-Tetrac...	1.594	1.050	1.145	1.150	1.090	0.845	0.796	1.096	23.80
64)		n-propylbenzene			0.469	0.479	0.471	0.396	0.375	0.438	11.12
65)		tert-Butylbenzene			1.660	1.778	1.679	1.264	1.176	1.512	17.96
66)	T	Benzyl Chloride			0.378	0.463	0.550	0.633	0.651	0.535	21.56
67)		sec-Butylbenzene			2.364	2.524	2.432	1.821	1.666	2.161	18.02
68)	S	1-Bromo-4-Fluo...	0.897	0.885	0.879	0.870	0.841	0.859	0.852	0.869	2.29
69)		p-Isopropyltol...			1.900	2.015	1.975	1.486	1.374	1.750	17.01
70)		n-Butylbenzene			2.253	2.383	2.301	1.696	1.557	2.038	18.73
71)		2-Chlorotoluene			1.513	1.601	1.555	1.238	1.160	1.413	14.15
72)	T	4-Ethyltoluene			1.642	1.647	1.672	1.332	1.256	1.510	13.19
73)	T	1,3,5-Trimethy...			1.555	1.639	1.640	1.267	1.192	1.459	14.66
74)	T	1,2,4-Trimethy...			1.778	1.802	1.711	1.272	1.181	1.549	19.23
75)	T	1,3-Dichlorobe...			0.924	0.974	0.895	0.694	0.667	0.831	16.91
76)	T	1,4-Dichlorobe...			0.953	0.982	0.915	0.719	0.686	0.851	16.22
77)	T	1,2-Dichlorobe...			0.964	0.946	0.919	0.704	0.672	0.841	16.77
78)	T	Hexachloro-1,3...			0.642	0.647	0.628	0.434	0.435	0.557	20.14
79)	T	Naphthalene			1.385	1.568	1.565	1.170	1.129	1.363	15.36
80)	T	Naphthalene,2-...			0.683	0.747	0.753	0.643	0.345	0.634	26.50
81)	T	1,2,4-Trichlor...			0.830	0.856	0.843	0.632	0.615	0.755	16.01

 (#) = Out of Range