

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

Method File : VL031319AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 14 00:01:31 2019

Last Update : Thu Mar 14 00:01:31 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL033304.D 0.1 =VL033303.D 0.5 =VL033302.D 1 =VL033301.D 2 =VL033300.D 10 =VL033306.D 15 =VL033305.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			2.394	2.265	1.293	2.007	1.293	1.850	28.51
3)	Chlorodifluoro...			1.416	1.377	1.359	1.229	1.141	1.304	8.83
4)	Chloromethane			0.763	0.746	0.738	0.668	0.616	0.706	8.81
5) T	Vinyl Chloride	0.901	0.730	0.676	0.711	0.677	0.643	0.610	0.707	13.39
6) T	Bromomethane			0.466	0.445	0.420	0.414	0.383	0.426	7.35
7)	Chloroethane			0.272	0.256	0.254	0.249	0.235	0.253	5.33
8) T	Dichlorotetra...			1.855	1.858	1.714	1.575	1.447	1.690	10.61
9) T	Propene			0.615	0.623	0.612	0.566	0.528	0.589	6.92
10) T	Heptane			1.354	1.408	1.630	1.417	1.387	1.439	7.61
11) T	Trichlorofluor...			1.967	1.966	1.904	1.763	1.695	1.859	6.65
12) T	1,1,2-Trichlor...			1.343	1.339	1.289	1.157	1.140	1.253	7.86
13)	Ethanol			0.185	0.230	0.248	0.122	0.117	0.180	33.37
14) T	Bromoethene			0.515	0.542	0.532	0.505	0.510	0.521	3.00
15) T	Acetone			1.583	1.547	1.526	1.111	1.108	1.375	17.70
16) T	1,3-Butadiene			0.642	0.558	0.570	0.559	0.486	0.563	9.82
17)	tert-Butyl alc...			0.247	0.278	0.237	0.227	0.210	0.240	10.52
18) T	1,1-Dichloroet...			0.586	0.549	0.567	0.544	0.521	0.554	4.41
19) T	Isopropyl Alcohol			0.969	0.904	0.871	0.750	0.712	0.841	12.81
20) T	Methylene Chlo...			0.626	0.658	0.608	0.455	0.437	0.557	18.52
21) T	Allyl Chloride			0.856	0.816	0.830	0.827	0.822	0.830	1.83
22) T	trans-1,2-Dich...			0.566	0.570	0.574	0.551	0.532	0.558	3.07
23) T	Vinyl Acetate			1.896	1.989	2.050	2.058	1.988	1.996	3.25
24) T	1,1-Dichloroet...			1.485	1.483	1.475	1.445	1.332	1.444	4.49
25) T	Ethyl Acetate			2.611	2.631	2.639	2.375	2.268	2.505	6.86
26) T	Hexane			1.226	1.284	1.279	1.052	1.010	1.170	11.10
27) T	Carbon Disulfide			1.124	1.208	1.263	1.347	1.316	1.252	7.11
28) T	Methyl tert-Bu...			1.632	1.679	1.706	1.766	1.629	1.682	3.39
29) T	Chloroform			1.909	1.895	1.878	1.720	1.695	1.819	5.66
30) T	Cyclohexane			0.903	0.906	0.930	0.909	0.894	0.909	1.46
31) T	cis-1,2-Dichlo...			1.094	1.140	1.163	1.154	1.084	1.127	3.16
32) T	1,1,1-Trichlor...	2.106	1.725	1.712	1.719	1.740	1.686	1.670	1.766	8.61
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.699	0.725	0.725	0.678	0.630	0.691	5.73
35) T	Carbon Tetrach...	0.924	0.701	0.743	0.770	0.775	0.741	0.727	0.769	9.49
36) T	Benzene			1.027	1.005	1.029	0.944	0.907	0.982	5.53
37) T	1,2-Dichloroet...			0.629	0.636	0.595	0.542	0.531	0.587	8.25
38) T	Trichloroethene	0.454	0.383	0.376	0.400	0.419	0.349	0.337	0.388	10.36
39) T	1,2-Dichloropr...			0.396	0.370	0.419	0.356	0.345	0.377	7.96

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40)	T	1,4-Dioxane			0.135	0.137	0.164	0.129	0.116	0.136	12.85
41)	T	Tetrahydrofuran			0.393	0.390	0.397	0.375	0.363	0.384	3.70
42)	T	Bromodichlorom...			0.786	0.829	0.917	0.806	0.774	0.822	6.92
43)		Methyl Methacr...			0.371	0.376	0.446	0.386	0.376	0.391	8.01
44)	T	2,2,4-Trimethy...			1.702	1.764	1.910	1.553	1.467	1.679	10.39
45)	T	t-1,3-Dichloro...			0.357	0.408	0.501	0.518	0.509	0.459	15.64
46)	T	cis-1,3-Dichlo...			0.476	0.520	0.613	0.580	0.573	0.552	9.79
47)	T	1,1,2-Trichlor...			0.404	0.411	0.446	0.390	0.367	0.404	7.13
48)	T	Dibromochlorom...			0.596	0.687	0.705	0.675	0.658	0.664	6.26
49)	T	Bromoform			0.468	0.538	0.563	0.671	0.637	0.575	14.01
50)	T	4-Methyl-2-Pen...			0.971	1.024	1.146	0.951	0.918	1.002	8.90
51)	T	2-Hexanone			0.717	0.763	0.861	0.753	0.731	0.765	7.40
52)	T	Tetrachloroethene	0.514	0.403	0.399	0.401	0.396	0.385	0.326	0.403	13.82
53)	T	Toluene			1.052	1.122	1.266	1.119	1.063	1.125	7.59
54)	T	1,2-Dibromoethane			0.663	0.674	0.685	0.611	0.589	0.644	6.52
55)	I	Chlorobenzene-d5	-----ISTD-----								
56)		1,1,1,2-Tetrac...			0.467	0.464	0.459	0.432	0.421	0.449	4.63
57)	T	Chlorobenzene			0.901	0.868	0.817	0.737	0.714	0.807	10.06
58)	T	Ethyl Benzene			1.424	1.508	1.480	1.399	1.367	1.436	4.02
59)	T	m/p-Xylene			1.222	1.286	1.240	1.163	1.124	1.207	5.30
60)	T	o-Xylene			1.201	1.230	1.202	1.117	1.072	1.164	5.72
61)	T	Styrene			0.742	0.821	0.840	0.850	0.832	0.817	5.29
62)		Isopropylbenzene			1.700	1.722	1.656	1.573	1.539	1.638	4.86
63)	T	1,1,2,2-Tetrac...	1.072	0.806	0.849	0.844	0.806	0.761	0.737	0.839	13.16
64)		n-propylbenzene			0.397	0.425	0.414	0.402	0.393	0.406	3.25
65)		tert-Butylbenzene			1.327	1.456	1.424	1.377	1.338	1.384	4.00
66)	T	Benzyl Chloride			0.390	0.424	0.494	0.704	0.741	0.551	29.43
67)		sec-Butylbenzene			1.989	2.052	2.037	1.952	1.921	1.990	2.77
68)	S	1-Bromo-4-Fluo...	0.782	0.792	0.792	0.768	0.752	0.725	0.735	0.764	3.52
69)		p-Isopropyltol...			1.504	1.612	1.634	1.610	1.592	1.590	3.16
70)		n-Butylbenzene			1.544	1.707	1.692	1.696	1.674	1.663	4.05
71)		2-Chlorotoluene			1.230	1.262	1.238	1.221	1.182	1.227	2.38
72)	T	4-Ethyltoluene			1.150	1.244	1.286	1.290	1.267	1.247	4.60
73)	T	1,3,5-Trimethy...			1.097	1.153	1.153	1.245	1.215	1.173	4.97
74)	T	1,2,4-Trimethy...			1.130	1.204	1.179	1.255	1.216	1.197	3.89
75)	T	1,3-Dichlorobe...			0.775	0.790	0.760	0.717	0.703	0.749	4.98
76)	T	1,4-Dichlorobe...			0.742	0.757	0.723	0.719	0.716	0.731	2.42
77)	T	1,2-Dichlorobe...			0.748	0.758	0.741	0.698	0.702	0.729	3.80
78)	T	Hexachloro-1,3...			0.613	0.585	0.562	0.545	0.384	0.538	16.65
79)	T	Naphthalene			0.654	0.775	0.854	1.296	1.337	0.983	31.83
80)	T	Naphthalene,2-...			0.023	0.033	0.052	0.604	0.666	0.275	119.42
81)	T	1,2,4-Trichlor...			0.469	0.496	0.520	0.651	0.659	0.559	16.02

 (#) = Out of Range