

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

Method File : VL020519AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019

Last Update : Wed Feb 20 06:00:52 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL033174.D 0.1 =VL033173.D 0.5 =VL033172.D 1 =VL033171.D 2 =VL033170.D 10 =VL033169.D 15 =VL033175.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			1.965	2.407	1.592	1.797	1.799	1.912	16.04
3)	Chlorodifluoro...			1.175	1.439	1.143	1.118	1.145	1.204	11.05
4)	Chloromethane			0.625	0.741	0.596	0.603	0.614	0.636	9.41
5) T	Vinyl Chloride	0.852	0.730	0.593	0.714	0.585	0.574	0.599	0.664	15.78
6) T	Bromomethane			0.339	0.441	0.344	0.346	0.355	0.365	11.72
7)	Chloroethane			0.202	0.258	0.207	0.204	0.213	0.217	10.86
8) T	Dichlorotetra...			1.524	1.838	1.427	1.339	1.349	1.495	13.73
9) T	Propene			0.591	0.703	0.548	0.525	0.541	0.582	12.38
10) T	Heptane			1.761	2.089	1.712	1.585	1.651	1.760	11.11
11) T	Trichlorofluor...			1.495	1.853	1.471	1.427	1.493	1.548	11.15
12) T	1,1,2-Trichlor...			1.085	1.292	0.995	0.992	1.000	1.073	11.98
13)	Ethanol			0.262	0.291	0.188	0.129	0.118	0.198	39.18
14) T	Bromoethene			0.434	0.556	0.436	0.437	0.449	0.463	11.38
15) T	Acetone			1.160	1.425	1.077	0.961	1.010	1.127	16.22
16) T	1,3-Butadiene			0.513	0.675	0.480	0.497	0.508	0.535	14.90
17)	tert-Butyl alc...			0.219	0.275	0.197	0.209	0.183	0.216	16.29
18) T	1,1-Dichloroet...			0.477	0.550	0.451	0.460	0.463	0.480	8.37
19) T	Isopropyl Alcohol			0.851	1.018	0.667	0.655	0.629	0.764	21.84
20) T	Methylene Chlo...			0.486	0.554	0.418	0.388	0.394	0.448	15.76
21) T	Allyl Chloride			0.677	0.856	0.708	0.732	0.746	0.744	9.15
22) T	trans-1,2-Dich...			0.442	0.545	0.432	0.446	0.467	0.466	9.79
23) T	Vinyl Acetate			1.981	2.213	1.789	1.846	1.934	1.953	8.38
24) T	1,1-Dichloroet...			1.440	1.657	1.273	1.241	1.295	1.381	12.44
25) T	Ethyl Acetate			2.751	2.870	2.700	2.149	2.195	2.533	13.25
26) T	Hexane			1.331	1.362	1.280	0.978	0.994	1.189	15.78
27) T	Carbon Disulfide			0.906	1.216	1.020	1.125	1.181	1.089	11.60
28) T	Methyl tert-Bu...			1.617	1.965	1.525	1.491	1.528	1.625	12.04
29) T	Chloroform			1.915	2.025	1.940	1.592	1.640	1.822	10.62
30) T	Cyclohexane			1.029	1.352	1.043	1.009	1.084	1.103	12.84
31) T	cis-1,2-Dichlo...			1.266	1.302	1.244	1.051	1.089	1.190	9.47
32) T	1,1,1-Trichlor...	2.812	1.999	1.732	2.203	1.824	1.544	1.932	2.007	20.50
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.761	0.705	0.670	0.526	0.510	0.634	17.56
35) T	Carbon Tetrach...	1.005	0.733	0.715	0.799	0.779	0.652	0.663	0.764	15.65
36) T	Benzene			1.110	1.173	1.120	0.785	0.880	1.013	16.83
37) T	1,2-Dichloroet...			0.620	0.644	0.617	0.424	0.503	0.562	16.82
38) T	Trichloroethene	0.640	0.494	0.422	0.427	0.423	0.314	0.312	0.433	25.92
39) T	1,2-Dichloropr...			0.444	0.450	0.433	0.338	0.335	0.400	14.55

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40)	T	1,4-Dioxane			0.167	0.182	0.145	0.113	0.104	0.142	23.60
41)	T	Tetrahydrofuran			0.419	0.468	0.454	0.312	0.308	0.392	19.64
42)	T	Bromodichlorom...			0.850	0.896	0.904	0.707	0.712	0.814	11.96
43)		Methyl Methacr...			0.428	0.441	0.447	0.357	0.361	0.407	10.84
44)	T	2,2,4-Trimethy...			1.930	1.950	1.926	1.407	1.374	1.717	17.40
45)	T	t-1,3-Dichloro...			0.379	0.434	0.499	0.470	0.471	0.451	10.24
46)	T	cis-1,3-Dichlo...			0.574	0.605	0.631	0.540	0.529	0.576	7.52
47)	T	1,1,2-Trichlor...			0.473	0.456	0.449	0.353	0.344	0.415	14.80
48)	T	Dibromochlorom...			0.632	0.715	0.716	0.599	0.608	0.654	8.78
49)	T	Bromoform			0.526	0.599	0.625	0.526	0.536	0.563	8.22
50)	T	4-Methyl-2-Pen...			1.093	1.137	1.128	0.875	0.853	1.017	13.87
51)	T	2-Hexanone			0.825	0.877	0.869	0.712	0.726	0.802	9.78
52)	T	Tetrachloroethene	0.475	0.423	0.400	0.406	0.412	0.307	0.303	0.389	16.04
53)	T	Toluene			1.306	1.351	1.327	1.028	0.989	1.200	14.68
54)	T	1,2-Dibromoethane			0.701	0.732	0.701	0.560	0.563	0.651	12.73

55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.496	0.519	0.495	0.422	0.395	0.466	11.50
57)	T	Chlorobenzene			1.007	1.035	0.930	0.755	0.697	0.885	17.12
58)	T	Ethyl Benzene			1.759	1.958	1.716	1.438	1.336	1.641	15.36
59)	T	m/p-Xylene			1.497	1.641	1.455	1.156	1.079	1.365	17.45
60)	T	o-Xylene			1.491	1.620	1.391	1.122	1.033	1.331	18.60
61)	T	Styrene			1.037	1.191	1.063	0.898	0.836	1.005	14.00
62)		Isopropylbenzene			2.066	2.258	1.958	1.618	1.493	1.879	16.88
63)	T	1,1,2,2-Tetrac...	1.560	1.061	1.056	1.119	0.988	0.774	0.718	1.039	26.46
64)		n-propylbenzene			0.509	0.580	0.495	0.418	0.386	0.478	16.17
65)		tert-Butylbenzene			1.766	2.008	1.749	1.397	1.258	1.636	18.53
66)	T	Benzyl Chloride			0.393	0.500	0.589	0.734	0.706	0.585	24.37
67)		sec-Butylbenzene			2.517	2.955	2.550	2.023	1.828	2.375	18.96
68)	S	1-Bromo-4-Fluo...	0.798	0.798	0.784	0.794	0.732	0.800	0.749	0.779	3.52
69)		p-Isopropyltol...			2.124	2.484	2.097	1.671	1.513	1.978	19.61
70)		n-Butylbenzene			2.267	2.761	2.246	1.792	1.602	2.134	21.26
71)		2-Chlorotoluene			1.596	1.783	1.551	1.272	1.177	1.476	16.78
72)	T	4-Ethyltoluene			1.601	1.856	1.608	1.353	1.259	1.536	15.34
73)	T	1,3,5-Trimethy...			1.562	1.747	1.552	1.290	1.191	1.469	15.30
74)	T	1,2,4-Trimethy...			1.667	1.872	1.628	1.286	1.163	1.523	19.12
75)	T	1,3-Dichlorobe...			0.973	1.061	0.932	0.749	0.679	0.879	18.15
76)	T	1,4-Dichlorobe...			0.930	1.025	0.936	0.762	0.699	0.870	15.51
77)	T	1,2-Dichlorobe...			0.932	1.059	0.922	0.745	0.683	0.868	17.53
78)	T	Hexachloro-1,3...			0.465	0.517	0.479	0.341	0.356	0.432	18.11
79)	T	Naphthalene			1.705	1.986	1.798	1.408	1.288	1.637	17.46
80)	T	Naphthalene,2-...			0.837	0.967	1.064	0.654	0.617	0.828	23.36
81)	T	1,2,4-Trichlor...			0.924	1.022	0.882	0.699	0.630	0.832	19.55

 (#) = Out of Range