

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

Method File : VL022620AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020

Last Update : Fri Feb 28 01:15:02 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL034681.D 0.1 =VL034680.D 0.5 =VL034679.D 1 =VL034678.D 2 =VL034677.D 10 =VL034676.D 15 =VL034682.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			1.929	1.864	1.839	1.217	1.038	1.578	26.42
3) Chlorodifluoro...			1.143	1.134	1.154	0.997	0.967	1.079	8.28
4) Chloromethane			0.602	0.637	0.633	0.576	0.572	0.604	5.03
5) T Vinyl Chloride	0.684	0.564	0.587	0.617	0.591	0.561	0.544	0.593	7.93
6) T Bromomethane			0.366	0.357	0.359	0.331	0.322	0.347	5.57
7) Chloroethane			0.241	0.220	0.226	0.212	0.201	0.220	6.87
8) T Dichlorotetra...			1.533	1.557	1.475	1.255	1.157	1.395	12.83
9) T Propene			0.463	0.473	0.461	0.437	0.421	0.451	4.74
10) T Heptane			1.056	1.205	1.205	1.168	1.172	1.161	5.28
11) T Trichlorofluor...			1.469	1.506	1.472	1.264	1.197	1.382	10.18
12) T 1,1,2-Trichlor...			1.074	1.048	1.028	0.882	0.838	0.974	10.92
13) Ethanol			0.211	0.151	0.111	0.130	0.110	0.143	29.30
14) T Bromoethene			0.420	0.428	0.419	0.389	0.376	0.406	5.52
15) T Acetone			1.256	1.258	1.242	0.986	0.955	1.140	13.58
16) T 1,3-Butadiene			0.543	0.566	0.513	0.512	0.504	0.527	4.94
17) tert-Butyl alc...			1.016	0.863	0.715	0.977	0.795	0.873	14.29
18) T 1,1-Dichloroet...			0.453	0.472	0.462	0.408	0.392	0.437	8.00
19) T Isopropyl Alcohol			0.834	0.617	0.559	0.751	0.633	0.679	16.40
20) T Methylene Chlo...			0.475	0.492	0.433	0.358	0.361	0.424	14.73
21) T Allyl Chloride			0.768	0.774	0.779	0.738	0.711	0.754	3.83
22) T trans-1,2-Dich...			0.451	0.442	0.429	0.412	0.397	0.426	5.19
23) T Vinyl Acetate			1.425	1.532	1.651	1.609	1.529	1.549	5.59
24) T 1,1-Dichloroet...			1.341	1.309	1.269	1.152	1.115	1.237	8.00
25) T Ethyl Acetate			2.019	2.117	2.149	1.941	1.860	2.017	5.98
26) T Hexane			0.928	0.975	0.986	0.885	0.874	0.930	5.45
27) T Carbon Disulfide			0.945	1.063	1.118	1.083	1.067	1.055	6.22
28) T Methyl tert-Bu...			1.255	1.432	1.449	1.327	1.178	1.328	8.70
29) T Chloroform			1.589	1.554	1.576	1.374	1.314	1.481	8.63
30) T Cyclohexane			0.669	0.725	0.771	0.725	0.713	0.721	5.03
31) T cis-1,2-Dichlo...			0.862	0.944	0.937	0.927	0.906	0.915	3.62
32) T 1,1,1-Trichlor...	1.668	1.304	1.324	1.382	1.446	1.304	1.255	1.383	10.11
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.626	0.639	0.667	0.612	0.603	0.629	4.00
35) T Carbon Tetrach...	0.741	0.659	0.651	0.680	0.688	0.646	0.623	0.670	5.74
36) T Benzene			0.868	0.904	0.902	0.835	0.809	0.864	4.82
37) T 1,2-Dichloroet...			0.557	0.561	0.575	0.517	0.512	0.544	5.17
38) T Trichloroethene	0.386	0.336	0.316	0.336	0.345	0.311	0.299	0.333	8.58
39) T 1,2-Dichloropr...			0.342	0.342	0.363	0.337	0.334	0.344	3.33

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40)	T	1,4-Dioxane			0.130	0.112	0.109	0.125	0.108	0.117	8.22
41)	T	Tetrahydrofuran			0.298	0.333	0.344	0.346	0.341	0.332	5.90
42)	T	Bromodichlorom...			0.681	0.749	0.755	0.701	0.679	0.713	5.14
43)		Methyl Methacr...			0.323	0.337	0.386	0.385	0.386	0.363	8.56
44)	T	2,2,4-Trimethy...			1.463	1.615	1.642	1.454	1.373	1.509	7.59
45)	T	t-1,3-Dichloro...			0.300	0.353	0.409	0.459	0.461	0.396	17.59
46)	T	cis-1,3-Dichlo...			0.386	0.440	0.495	0.528	0.527	0.475	12.92
47)	T	1,1,2-Trichlor...			0.348	0.380	0.356	0.341	0.336	0.353	4.90
48)	T	Dibromochlorom...			0.492	0.546	0.576	0.567	0.560	0.548	6.11
49)	T	Bromoform			0.406	0.466	0.517	0.496	0.491	0.475	8.94
50)	T	4-Methyl-2-Pen...			0.796	0.912	0.932	0.910	0.908	0.892	6.08
51)	T	2-Hexanone			0.571	0.675	0.750	0.752	0.760	0.702	11.51
52)	T	Tetrachloroethene	0.426	0.315	0.291	0.307	0.312	0.285	0.279	0.317	15.89
53)	T	Toluene			0.791	0.922	0.995	0.953	0.933	0.919	8.34
54)	T	1,2-Dibromoethane			0.492	0.540	0.561	0.521	0.515	0.526	4.98

55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.484	0.439	0.439	0.384	0.383	0.426	10.04
57)	T	Chlorobenzene			0.787	0.821	0.780	0.663	0.644	0.739	10.80
58)	T	Ethyl Benzene			1.105	1.276	1.317	1.188	1.164	1.210	7.10
59)	T	m/p-Xylene			1.020	1.148	1.157	0.994	0.957	1.055	8.69
60)	T	o-Xylene			1.039	1.137	1.145	0.971	0.943	1.047	8.87
61)	T	Styrene			0.530	0.677	0.745	0.708	0.704	0.673	12.41
62)		Isopropylbenzene			1.514	1.667	1.683	1.413	1.360	1.528	9.54
63)	T	1,1,2,2-Tetrac...	1.023	0.803	0.843	0.840	0.830	0.692	0.682	0.816	13.96
64)		n-propylbenzene			0.393	0.401	0.424	0.375	0.376	0.394	5.15
65)		tert-Butylbenzene			1.246	1.446	1.511	1.222	1.171	1.319	11.35
66)	T	Benzyl Chloride			0.367	0.432	0.519	0.562	0.579	0.492	18.27
67)		sec-Butylbenzene			1.813	2.105	2.165	1.739	1.668	1.898	11.76
68)	S	1-Bromo-4-Fluo...	0.844	0.833	0.837	0.821	0.805	0.793	0.807	0.820	2.29
69)		p-Isopropyltol...			1.498	1.693	1.791	1.442	1.388	1.562	11.01
70)		n-Butylbenzene			1.636	1.858	1.954	1.560	1.499	1.701	11.53
71)		2-Chlorotoluene			1.138	1.276	1.292	1.117	1.091	1.183	7.95
72)	T	4-Ethyltoluene			1.049	1.217	1.308	1.134	1.119	1.165	8.56
73)	T	1,3,5-Trimethy...			1.048	1.184	1.255	1.070	1.049	1.121	8.35
74)	T	1,2,4-Trimethy...			1.258	1.408	1.376	1.096	1.053	1.238	12.95
75)	T	1,3-Dichlorobe...			0.758	0.780	0.785	0.630	0.621	0.715	11.47
76)	T	1,4-Dichlorobe...			0.752	0.771	0.777	0.643	0.633	0.715	9.97
77)	T	1,2-Dichlorobe...			0.723	0.764	0.743	0.616	0.609	0.691	10.58
78)	T	Hexachloro-1,3...			0.676	0.660	0.677	0.506	0.490	0.602	15.80
79)	T	Naphthalene			0.952	1.118	1.264	1.057	1.058	1.090	10.47
80)	T	Naphthalene,2-...			0.270	0.273	0.446	0.287	0.404	0.336	24.64
81)	T	1,2,4-Trichlor...			0.654	0.676	0.731	0.598	0.593	0.650	8.84

 (#) = Out of Range