

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

Method File : VL050619AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019

Last Update : Mon May 06 15:19:01 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL033659.D 0.1 =VL033658.D 0.5 =VL033657.D 1 =VL033656.D 2 =VL033655.D 10 =VL033654.D 15 =VL033660.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.851	2.665	2.619	2.107	1.484	2.345	23.66
3) Chlorodifluoro...			1.675	1.618	1.628	1.132	1.168	1.444	18.69
4) Chloromethane			0.797	0.797	0.828	0.651	0.681	0.751	10.58
5) T Vinyl Chloride	0.718	0.795	0.730	0.758	0.808	0.638	0.662	0.730	8.73
6) T Bromomethane			0.506	0.492	0.498	0.408	0.416	0.464	10.30
7) Chloroethane			0.283	0.284	0.279	0.232	0.246	0.265	9.16
8) T Dichlorotetra...			1.995	2.085	2.134	1.667	1.771	1.931	10.50
9) T Propene			0.578	0.572	0.597	0.492	0.514	0.551	8.20
10) T Heptane			1.208	1.359	1.480	1.344	1.403	1.359	7.34
11) T Trichlorofluor...			2.310	2.402	2.375	1.935	1.929	2.190	10.88
12) T 1,1,2-Trichlor...			1.556	1.612	1.572	1.314	1.307	1.472	10.12
13) Ethanol			0.226	0.187	0.178	0.114	0.121	0.165	28.53
14) T Bromoethene			0.571	0.608	0.630	0.539	0.554	0.580	6.53
15) T Acetone			1.638	1.629	1.735	1.210	1.227	1.488	16.76
16) T 1,3-Butadiene			0.619	0.662	0.716	0.587	0.606	0.638	8.12
17) tert-Butyl alc...			1.233	1.255	1.143	1.058	0.961	1.130	10.83
18) T 1,1-Dichloroet...			0.698	0.658	0.675	0.582	0.565	0.636	9.26
19) T Isopropyl Alcohol			0.991	1.035	0.932	0.818	0.795	0.914	11.51
20) T Methylene Chlo...			0.609	0.625	0.615	0.489	0.487	0.565	12.51
21) T Allyl Chloride			0.907	0.928	0.960	0.851	0.857	0.900	5.19
22) T trans-1,2-Dich...			0.649	0.640	0.699	0.601	0.602	0.638	6.35
23) T Vinyl Acetate			1.662	2.011	2.132	1.896	1.964	1.933	9.03
24) T 1,1-Dichloroet...			1.533	1.566	1.557	1.321	1.335	1.462	8.43
25) T Ethyl Acetate			2.442	2.534	2.585	2.261	2.280	2.420	6.05
26) T Hexane			1.000	1.073	1.121	0.999	1.009	1.040	5.24
27) T Carbon Disulfide			1.245	1.379	1.570	1.448	1.473	1.423	8.50
28) T Methyl tert-Bu...			1.586	1.798	1.966	1.711	1.700	1.752	8.06
29) T Chloroform			1.980	1.958	1.981	1.715	1.719	1.871	7.51
30) T Cyclohexane			0.764	0.807	0.970	0.893	0.935	0.874	9.89
31) T cis-1,2-Dichlo...			0.897	1.038	1.155	1.029	1.056	1.035	8.89
32) T 1,1,1-Trichlor...	1.934	1.959	1.963	1.984	2.011	1.836	1.835	1.932	3.62
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.602	0.679	0.696	0.617	0.609	0.640	6.81
35) T Carbon Tetrach...	0.843	0.754	0.797	0.861	0.877	0.817	0.803	0.822	5.11
36) T Benzene			0.832	0.937	0.949	0.899	0.868	0.897	5.41
37) T 1,2-Dichloroet...			0.803	0.618	0.611	0.555	0.541	0.626	16.75
38) T Trichloroethene	0.219	0.303	0.312	0.359	0.388	0.360	0.361	0.329	17.28
39) T 1,2-Dichloropr...			0.312	0.342	0.358	0.332	0.327	0.334	5.05

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40)	T	1,4-Dioxane			0.126	0.150	0.127	0.133	0.133	0.134	7.21
41)	T	Tetrahydrofuran			0.260	0.323	0.379	0.349	0.343	0.331	13.44
42)	T	Bromodichlorom...			0.759	0.830	0.846	0.807	0.796	0.808	4.13
43)		Methyl Methacr...			0.274	0.334	0.360	0.357	0.361	0.337	10.98
44)	T	2,2,4-Trimethy...			1.380	1.612	1.676	1.512	1.485	1.533	7.50
45)	T	t-1,3-Dichloro...			0.287	0.346	0.433	0.488	0.516	0.414	23.24
46)	T	cis-1,3-Dichlo...			0.507	0.446	0.507	0.564	0.559	0.517	9.27
47)	T	1,1,2-Trichlor...			0.358	0.402	0.410	0.371	0.377	0.384	5.69
48)	T	Dibromochlorom...			0.546	0.628	0.682	0.691	0.706	0.651	10.05
49)	T	Bromoform			0.443	0.529	0.600	0.620	0.633	0.565	13.98
50)	T	4-Methyl-2-Pen...			0.843	0.992	1.043	0.999	0.972	0.970	7.77
51)	T	2-Hexanone			0.578	0.723	0.815	0.807	0.832	0.751	14.03
52)	T	Tetrachloroethene	0.247	0.309	0.296	0.339	0.352	0.337	0.343	0.318	11.56
53)	T	Toluene			0.709	0.973	1.058	1.044	1.060	0.969	15.45
54)	T	1,2-Dibromoethane			0.518	0.582	0.598	0.589	0.604	0.578	6.02

55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.475	0.496	0.489	0.419	0.428	0.461	7.72
57)	T	Chlorobenzene			0.870	0.887	0.876	0.725	0.747	0.821	9.54
58)	T	Ethyl Benzene			1.078	1.326	1.453	1.313	1.351	1.304	10.59
59)	T	m/p-Xylene			1.023	1.213	1.292	1.093	1.122	1.149	9.19
60)	T	o-Xylene			1.038	1.231	1.299	1.107	1.137	1.162	8.89
61)	T	Styrene			0.553	0.753	0.871	0.824	0.869	0.774	17.16
62)		Isopropylbenzene			1.405	1.623	1.710	1.471	1.728	1.587	9.07
63)	T	1,1,2,2-Tetrac...	0.830	0.796	0.887	0.932	0.926	0.763	0.788	0.846	8.15
64)		n-propylbenzene			0.350	0.412	0.445	0.387	0.456	0.410	10.53
65)		tert-Butylbenzene			1.260	1.503	1.601	1.362	1.552	1.456	9.69
66)	T	Benzyl Chloride			0.481	0.558	0.688	0.745	0.840	0.662	21.75
67)		sec-Butylbenzene			1.786	2.138	2.273	1.914	2.045	2.031	9.33
68)	S	1-Bromo-4-Fluo...	0.819	0.818	0.834	0.809	0.795	0.765	0.898	0.820	4.97
69)		p-Isopropyltol...			1.413	1.716	1.877	1.619	1.744	1.674	10.31
70)		n-Butylbenzene			1.530	1.854	2.010	1.727	1.753	1.775	9.95
71)		2-Chlorotoluene			0.957	1.165	1.296	1.128	1.316	1.173	12.38
72)	T	4-Ethyltoluene			1.118	1.353	1.485	1.327	1.549	1.366	12.19
73)	T	1,3,5-Trimethy...			1.111	1.330	1.443	1.260	1.462	1.321	10.87
74)	T	1,2,4-Trimethy...			1.379	1.554	1.598	1.319	1.493	1.469	7.98
75)	T	1,3-Dichlorobe...			0.899	0.953	0.960	0.783	0.839	0.887	8.54
76)	T	1,4-Dichlorobe...			0.787	0.883	0.917	0.781	0.841	0.842	7.03
77)	T	1,2-Dichlorobe...			0.802	0.857	0.882	0.749	0.818	0.822	6.23
78)	T	Hexachloro-1,3...			0.688	0.661	0.675	0.510	0.723	0.651	12.66
79)	T	Naphthalene			1.004	1.285	1.466	1.362	1.587	1.341	16.38
80)	T	Naphthalene,2-...			0.273	0.381	0.519	0.585	0.777	0.507	38.15
81)	T	1,2,4-Trichlor...			0.688	0.779	0.845	0.732	0.851	0.779	9.05

 (#) = Out of Range