

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

Method File : VL011321AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021

Last Update : Thu Jan 14 16:13:38 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL036215.D 0.1 =VL036214.D 0.5 =VL036213.D 1 =VL036212.D 2 =VL036211.D 10 =VL036210.D 15 =VL036216.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.725	1.529	1.274	1.135	1.040	1.340	21.09
3) Chlorodifluoro...			1.335	1.307	1.274	1.118	1.106	1.228	8.80
4) Chloromethane			0.671	0.626	0.638	0.553	0.547	0.607	8.98
5) T Vinyl Chloride	0.674	0.504	0.593	0.580	0.603	0.530	0.537	0.574	9.89
6) T Bromomethane			0.345	0.330	0.340	0.298	0.293	0.321	7.55
7) Chloroethane			0.212	0.202	0.199	0.188	0.187	0.198	5.32
8) T Dichlorotetra...			1.396	1.456	1.384	1.162	1.095	1.299	12.29
9) T Propene			0.681	0.615	0.612	0.497	0.519	0.585	12.94
10) T Heptane			1.504	1.516	1.618	1.320	1.300	1.452	9.41
11) T Trichlorofluor...			1.490	1.486	1.442	1.210	1.186	1.363	11.15
12) T 1,1,2-Trichlor...			0.857	0.906	0.879	0.746	0.743	0.826	9.24
13) Ethanol			0.117	0.094	0.102	0.072	0.074	0.092	20.81
14) T Bromoethene			0.393	0.393	0.409	0.347	0.340	0.376	8.19
15) T Acetone			1.494	1.274	1.337	1.014	1.004	1.225	17.37
16) T 1,3-Butadiene			0.656	0.641	0.600	0.539	0.547	0.597	8.92
17) tert-Butyl alc...			1.094	1.142	1.157	0.926	0.735	1.011	17.72
18) T 1,1-Dichloroet...			0.412	0.405	0.418	0.335	0.346	0.383	10.34
19) T Isopropyl Alcohol			0.887	0.834	0.815	0.637	0.520	0.738	20.89
20) T Methylene Chlo...			0.485	0.457	0.407	0.302	0.303	0.391	21.80
21) T Allyl Chloride			0.636	0.715	0.732	0.639	0.612	0.667	7.95
22) T trans-1,2-Dich...			0.370	0.378	0.362	0.323	0.336	0.354	6.51
23) T Vinyl Acetate			1.346	1.489	1.743	1.430	1.412	1.484	10.34
24) T 1,1-Dichloroet...			1.079	1.174	1.187	0.964	0.971	1.075	9.93
25) T Ethyl Acetate			2.525	2.693	2.751	2.167	2.157	2.459	11.52
26) T Hexane			1.112	1.151	1.124	0.871	0.860	1.024	14.17
27) T Carbon Disulfide			0.743	0.748	0.874	0.848	0.880	0.819	8.28
28) T Methyl tert-Bu...			1.509	1.423	1.502	1.249	1.239	1.384	9.56
29) T Chloroform			1.549	1.527	1.586	1.336	1.331	1.466	8.35
30) T Cyclohexane			0.802	0.794	0.845	0.747	0.724	0.782	6.08
31) T cis-1,2-Dichlo...			1.036	0.963	1.036	0.927	0.930	0.978	5.58
32) T 1,1,1-Trichlor...	1.545	1.424	1.406	1.451	1.450	1.322	1.326	1.418	5.46

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.781	0.830	0.814	0.634	0.624	0.736	13.54
35) T Carbon Tetrach...	0.665	0.630	0.628	0.657	0.667	0.591	0.585	0.632	5.35
36) T Benzene			0.966	0.997	0.994	0.822	0.802	0.916	10.48
37) T 1,2-Dichloroet...			0.589	0.581	0.580	0.502	0.505	0.551	7.94
38) T Trichloroethene	0.481	0.388	0.337	0.318	0.330	0.263	0.258	0.339	22.69
39) T 1,2-Dichloropr...			0.405	0.391	0.391	0.340	0.333	0.372	8.91

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40)	T	1,4-Dioxane			0.169	0.166	0.142	0.103	0.093	0.135	26.05
41)	T	Tetrahydrofuran			0.436	0.452	0.461	0.393	0.386	0.426	8.07
42)	T	Bromodichlorom...			0.660	0.727	0.771	0.659	0.648	0.693	7.72
43)		Methyl Methacr...			0.381	0.402	0.426	0.369	0.369	0.389	6.33
44)	T	2,2,4-Trimethy...			1.877	1.909	1.845	1.437	1.347	1.683	15.94
45)	T	t-1,3-Dichloro...			0.286	0.339	0.410	0.398	0.416	0.370	15.13
46)	T	cis-1,3-Dichlo...			0.436	0.467	0.503	0.486	0.484	0.475	5.37
47)	T	1,1,2-Trichlor...			0.386	0.370	0.394	0.321	0.309	0.356	10.91
48)	T	Dibromochlorom...			0.480	0.519	0.577	0.516	0.513	0.521	6.73
49)	T	Bromoform			0.413	0.431	0.471	0.431	0.427	0.435	5.03
50)	T	4-Methyl-2-Pen...			1.154	1.160	1.211	1.000	0.965	1.098	9.88
51)	T	2-Hexanone			0.847	0.880	0.949	0.827	0.829	0.866	5.87
52)	T	Tetrachloroethene	0.518	0.362	0.324	0.338	0.306	0.261	0.254	0.338	26.29
53)	T	Toluene			1.093	1.098	1.125	0.925	0.884	1.025	10.86
54)	T	1,2-Dibromoethane			0.540	0.577	0.568	0.483	0.470	0.528	9.24
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.498	0.462	0.483	0.410	0.378	0.446	11.35
57)	T	Chlorobenzene			0.906	0.867	0.839	0.682	0.630	0.785	15.45
58)	T	Ethyl Benzene			1.638	1.587	1.638	1.335	1.222	1.484	13.00
59)	T	m/p-Xylene			1.422	1.444	1.393	1.113	1.004	1.275	15.89
60)	T	o-Xylene			1.441	1.392	1.333	1.043	0.936	1.229	18.33
61)	T	Styrene			0.768	0.825	0.833	0.752	0.702	0.776	7.00
62)		Isopropylbenzene			2.066	2.085	2.005	1.571	1.410	1.827	17.19
63)	T	1,1,2,2-Tetrac...	1.130	0.952	0.999	0.979	0.950	0.731	0.665	0.915	17.63
64)		n-propylbenzene			0.493	0.490	0.488	0.402	0.371	0.449	12.88
65)		tert-Butylbenzene			1.682	1.780	1.782	1.313	1.186	1.548	18.06
66)	T	Benzyl Chloride			0.328	0.315	0.397	0.478	0.461	0.396	18.79
67)		sec-Butylbenzene			2.674	2.605	2.594	1.921	1.699	2.299	19.75
68)	S	1-Bromo-4-Fluo...	0.813	0.831	0.843	0.823	0.805	0.861	0.818	0.828	2.30
69)		p-Isopropyltol...			1.974	2.090	2.081	1.563	1.407	1.823	17.36
70)		n-Butylbenzene			2.146	2.151	2.225	1.684	1.506	1.942	16.71
71)		2-Chlorotoluene			1.616	1.604	1.565	1.259	1.137	1.436	15.50
72)	T	4-Ethyltoluene			1.482	1.562	1.533	1.225	1.133	1.387	14.02
73)	T	1,3,5-Trimethy...			1.484	1.457	1.439	1.169	1.061	1.322	14.62
74)	T	1,2,4-Trimethy...			1.537	1.517	1.532	1.159	1.036	1.356	17.74
75)	T	1,3-Dichlorobe...			0.836	0.806	0.797	0.616	0.582	0.727	16.31
76)	T	1,4-Dichlorobe...			0.824	0.809	0.753	0.620	0.587	0.719	15.16
77)	T	1,2-Dichlorobe...			0.824	0.774	0.757	0.617	0.580	0.710	14.89
78)	T	Hexachloro-1,3...			0.681	0.662	0.615	0.455	0.429	0.568	20.79
79)	T	Naphthalene			0.617	0.765	0.862	0.870	0.850	0.793	13.49
80)	T	Naphthalene,2-...			0.104	0.109	0.153	0.232	0.248	0.169	39.94
81)	T	1,2,4-Trichlor...			0.448	0.480	0.492	0.449	0.445	0.463	4.69

(#) = Out of Range