

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

Method File : VL042721AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021

Last Update : Tue Apr 27 16:56:35 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL036847.D 0.1 =VL036846.D 0.5 =VL036845.D 1 =VL036844.D 2 =VL036843.D 10 =VL036842.D 15 =VL036848.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.936	1.762	1.413	1.501	1.262	1.575	17.25
3) Chlorodifluoro...			1.847	2.002	1.950	1.674	1.634	1.822	8.97
4) Chloromethane			0.621	0.604	0.627	0.575	0.566	0.599	4.58
5) T Vinyl Chloride	0.682	0.633	0.561	0.626	0.615	0.558	0.553	0.604	8.04
6) T Bromomethane			0.304	0.342	0.344	0.313	0.320	0.325	5.50
7) Chloroethane			0.215	0.197	0.204	0.188	0.187	0.198	5.85
8) T Dichlorotetra...			1.554	1.536	1.484	1.334	1.274	1.436	8.73
9) T Propene			0.503	0.583	0.593	0.550	0.545	0.555	6.39
10) T Heptane			1.227	1.408	1.532	1.423	1.390	1.396	7.83
11) T Trichlorofluor...			1.469	1.503	1.438	1.336	1.283	1.406	6.60
12) T 1,1,2-Trichlor...			0.967	0.939	1.006	0.904	0.888	0.941	5.09
13) Ethanol			0.072	0.087	0.090	0.056	0.050	0.071	25.63
14) T Bromoethene			0.362	0.396	0.411	0.374	0.380	0.384	5.00
15) T Acetone			1.026	1.113	1.054	0.759	0.761	0.943	17.98
16) T 1,3-Butadiene			0.518	0.671	0.670	0.579	0.575	0.603	11.06
17) tert-Butyl alc...			0.845	0.892	0.746	0.762	0.581	0.765	15.55
18) T 1,1-Dichloroet...			0.426	0.406	0.451	0.383	0.379	0.409	7.36
19) T Isopropyl Alcohol			0.556	0.527	0.488	0.416	0.349	0.467	18.08
20) T Methylene Chlo...			0.538	0.540	0.509	0.335	0.331	0.451	23.94
21) T Allyl Chloride			0.666	0.724	0.774	0.663	0.675	0.700	6.85
22) T trans-1,2-Dich...			0.388	0.454	0.414	0.402	0.393	0.410	6.43
23) T Vinyl Acetate			1.056	1.354	1.402	1.369	1.230	1.282	11.11
24) T 1,1-Dichloroet...			0.930	0.938	1.010	0.822	0.852	0.910	8.21
25) T Ethyl Acetate			2.205	2.515	2.555	2.163	2.073	2.302	9.47
26) T Hexane			1.058	1.173	1.230	0.973	0.952	1.077	11.31
27) T Carbon Disulfide			0.810	0.916	0.937	1.004	1.010	0.936	8.68
28) T Methyl tert-Bu...			0.963	0.955	1.061	0.929	0.865	0.955	7.43
29) T Chloroform			1.711	1.753	1.804	1.595	1.533	1.679	6.69
30) T Cyclohexane			0.807	0.854	0.924	0.845	0.842	0.854	5.00
31) T cis-1,2-Dichlo...			0.805	1.016	1.059	0.970	0.985	0.967	10.01
32) T 1,1,1-Trichlor...	1.904	1.666	1.644	1.793	1.790	1.602	1.556	1.708	7.27

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.439	0.406	0.513	0.416	0.416	0.438	9.94
35) T Carbon Tetrach...	0.641	0.727	0.672	0.697	0.714	0.654	0.646	0.679	5.04
36) T Benzene			0.795	0.889	0.906	0.817	0.805	0.843	6.10
37) T 1,2-Dichloroet...			0.449	0.486	0.517	0.470	0.464	0.477	5.39
38) T Trichloroethene	0.254	0.288	0.308	0.328	0.331	0.301	0.289	0.300	8.80
39) T 1,2-Dichloropr...			0.351	0.348	0.354	0.320	0.315	0.338	5.47

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40)	T	1,4-Dioxane			0.101	0.093	0.074	0.076	0.064	0.082	18.61
41)	T	Tetrahydrofuran			0.160	0.192	0.207	0.199	0.200	0.192	9.70
42)	T	Bromodichlorom...			0.617	0.667	0.723	0.652	0.655	0.663	5.81
43)		Methyl Methacr...			0.223	0.264	0.300	0.294	0.295	0.275	11.78
44)	T	2,2,4-Trimethy...			1.362	1.562	1.618	1.378	1.299	1.444	9.56
45)	T	t-1,3-Dichloro...			0.202	0.262	0.311	0.349	0.358	0.296	21.89
46)	T	cis-1,3-Dichlo...			0.295	0.340	0.407	0.425	0.433	0.380	15.76
47)	T	1,1,2-Trichlor...			0.338	0.370	0.376	0.334	0.330	0.349	6.27
48)	T	Dibromochlorom...			0.441	0.491	0.567	0.544	0.545	0.518	9.84
49)	T	Bromoform			0.334	0.392	0.443	0.452	0.447	0.413	12.23
50)	T	4-Methyl-2-Pen...			0.493	0.584	0.655	0.631	0.630	0.599	10.73
51)	T	2-Hexanone			0.224	0.261	0.316	0.344	0.348	0.299	18.26
52)	T	Tetrachloroethene	0.272	0.266	0.292	0.307	0.315	0.282	0.273	0.287	6.47
53)	T	Toluene			0.725	0.887	0.983	0.913	0.901	0.882	10.79
54)	T	1,2-Dibromoethane			0.463	0.529	0.524	0.477	0.475	0.493	6.20
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.419	0.454	0.448	0.392	0.382	0.419	7.69
57)	T	Chlorobenzene			0.789	0.836	0.845	0.722	0.702	0.779	8.32
58)	T	Ethyl Benzene			1.042	1.314	1.419	1.301	1.265	1.268	10.95
59)	T	m/p-Xylene			0.995	1.232	1.285	1.098	1.058	1.134	10.68
60)	T	o-Xylene			1.025	1.212	1.204	1.038	1.002	1.096	9.40
61)	T	Styrene			0.319	0.449	0.583	0.610	0.612	0.515	24.94
62)		Isopropylbenzene			1.428	1.611	1.655	1.404	1.359	1.491	8.88
63)	T	1,1,2,2-Tetrac...	1.019	0.916	0.847	0.954	0.923	0.757	0.734	0.879	11.92
64)		n-propylbenzene			0.313	0.391	0.414	0.369	0.372	0.372	10.12
65)		tert-Butylbenzene			1.146	1.470	1.525	1.252	1.200	1.319	12.80
66)	T	Benzyl Chloride			0.107	0.111	0.133	0.138	0.155	0.129	15.32
67)		sec-Butylbenzene			1.591	2.026	2.130	1.741	1.667	1.831	12.80
68)	S	1-Bromo-4-Fluo...	0.793	0.807	0.796	0.803	0.779	0.808	0.834	0.803	2.09
69)		p-Isopropyltol...			1.171	1.602	1.717	1.454	1.395	1.468	14.21
70)		n-Butylbenzene			1.135	1.562	1.764	1.494	1.443	1.480	15.41
71)		2-Chlorotoluene			0.945	1.176	1.237	1.094	1.071	1.105	10.04
72)	T	4-Ethyltoluene			0.862	1.232	1.351	1.245	1.192	1.177	15.74
73)	T	1,3,5-Trimethy...			0.980	1.196	1.293	1.137	1.098	1.141	10.16
74)	T	1,2,4-Trimethy...			1.020	1.329	1.426	1.173	1.113	1.212	13.53
75)	T	1,3-Dichlorobe...			0.686	0.772	0.776	0.679	0.669	0.716	7.35
76)	T	1,4-Dichlorobe...			0.683	0.784	0.723	0.659	0.656	0.701	7.66
77)	T	1,2-Dichlorobe...			0.691	0.760	0.753	0.650	0.645	0.700	7.86
78)	T	Hexachloro-1,3...			0.629	0.676	0.663	0.510	0.496	0.595	14.39
79)	T	Naphthalene			0.411	0.513	0.782	0.829	0.860	0.679	29.94
80)	T	Naphthalene,2-...			0.048	0.056	0.059	0.117	0.094	0.075	39.51
81)	T	1,2,4-Trichlor...			0.319	0.440	0.500	0.462	0.475	0.439	16.09

(#) = Out of Range