

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL121624AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Thu Dec 19 07:32:09 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041757.D 0.1 =VL041756.D 0.5 =VL041755.D 1 =VL041754.D 2 =VL041753.D 10 =VL041752.D 15 =VL041758.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			1.886	1.927	1.840	1.682	1.562	1.779	8.61
3)	Chlorodifluoro...			1.679	1.697	1.653	1.566	1.559	1.631	3.94
4)	Chloromethane			0.737	0.729	0.736	0.630	0.650	0.696	7.48
5) T	Vinyl Chloride	0.909	0.673	0.682	0.695	0.689	0.625	0.637	0.701	13.60
6) T	Bromomethane			0.343	0.363	0.343	0.295	0.310	0.331	8.32
7)	Chloroethane			0.282	0.267	0.297	0.254	0.262	0.272	6.26
8) T	Dichlorotetra...			1.712	1.659	1.616	1.461	1.516	1.593	6.49
9) T	Propene			0.788	0.734	0.750	0.633	0.629	0.707	10.16
10) T	Heptane			1.950	1.821	1.875	1.705	1.726	1.816	5.64
11) T	Trichlorofluor...			1.981	1.915	1.943	1.791	1.820	1.890	4.31
12) T	1,1,2-Trichlor...			1.491	1.504	1.466	1.341	1.386	1.437	4.92
13)	Ethanol			0.081	0.080	0.059	0.036	0.037	0.059	37.17
14) T	Bromoethene			0.509	0.477	0.484	0.474	0.482	0.485	2.84
15) T	Acetone			2.474	2.284	2.047	1.461	1.462	1.946	24.00
16) T	1,3-Butadiene			0.891	0.779	0.777	0.685	0.699	0.766	10.74
17)	tert-Butyl alc...			1.999	2.024	1.975	1.833	1.819	1.930	5.00
18) T	1,1-Dichloroet...			0.608	0.628	0.622	0.565	0.591	0.603	4.20
19) T	Isopropyl Alcohol			1.709	1.320	1.107	0.860	0.841	1.167	30.91
20) T	Methylene Chlo...			0.653	0.587	0.562	0.477	0.495	0.555	12.88
21) T	Allyl Chloride			1.008	1.126	1.092	1.012	1.038	1.055	4.93
22) T	trans-1,2-Dich...			0.749	0.698	0.697	0.640	0.665	0.690	5.96
23) T	Vinyl Acetate			0.781	0.811	1.309	0.790	0.826	0.903	25.15
24) T	1,1-Dichloroet...			1.458	1.459	1.414	1.311	1.340	1.396	4.89
25) T	Ethyl Acetate			3.618	3.813	3.745	3.430	3.492	3.620	4.48
26) T	Hexane			1.423	1.403	1.423	1.303	1.316	1.374	4.32
27) T	Carbon Disulfide			1.024	1.237	1.202	1.346	1.380	1.238	11.34
28) T	Methyl tert-Bu...			1.033	1.295	1.115	1.098	1.030	1.114	9.69
29) T	Chloroform			2.155	2.182	2.138	1.969	2.022	2.093	4.41
30) T	Cyclohexane			1.217	1.187	1.215	1.096	1.130	1.169	4.62
31) T	cis-1,2-Dichlo...			1.430	1.519	1.460	1.331	1.358	1.419	5.37
32) T	1,1,1-Trichlor...	2.218	2.113	2.158	2.186	2.101	2.028	2.091	2.128	3.03
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.869	0.820	0.860	0.736	0.737	0.805	8.05
35) T	Carbon Tetrach...	0.671	0.657	0.634	0.716	0.758	0.756	0.777	0.710	7.94
36) T	Benzene			1.079	1.080	1.059	0.975	0.979	1.034	5.16
37) T	1,2-Dichloroet...			0.690	0.642	0.650	0.608	0.628	0.644	4.71
38) T	Trichloroethene	0.551	0.469	0.408	0.437	0.428	0.388	0.393	0.439	12.92
39) T	1,2-Dichloropr...			0.382	0.395	0.388	0.353	0.353	0.374	5.36

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40)	T	1,4-Dioxane			0.212	0.181	0.187	0.167	0.167	0.183	10.12
41)	T	Tetrahydrofuran			0.455	0.488	0.455	0.427	0.428	0.451	5.52
42)	T	Bromodichlorom...			0.664	0.735	0.730	0.777	0.796	0.740	6.88
43)		Methyl Methacr...			0.372	0.394	0.406	0.395	0.404	0.394	3.38
44)	T	2,2,4-Trimethy...			1.826	1.809	1.842	1.674	1.681	1.767	4.64
45)	T	t-1,3-Dichloro...			0.382	0.393	0.407	0.423	0.434	0.408	5.25
46)	T	cis-1,3-Dichlo...			0.500	0.493	0.522	0.533	0.540	0.518	3.96
47)	T	1,1,2-Trichlor...			0.408	0.402	0.406	0.368	0.371	0.391	5.06
48)	T	Dibromochlorom...			0.433	0.493	0.540	0.593	0.609	0.534	13.58
49)	T	Bromoform			0.328	0.395	0.443	0.498	0.519	0.437	17.80
50)	T	4-Methyl-2-Pen...			1.062	1.130	1.149	1.060	1.076	1.095	3.75
51)	T	2-Hexanone			0.831	0.923	0.953	0.857	0.876	0.888	5.59
52)	T	Tetrachloroethene	0.555	0.333	0.346	0.395	0.372	0.343	0.351	0.385	20.18
53)	T	Toluene			1.183	1.207	1.215	1.123	1.136	1.173	3.54
54)	T	1,2-Dibromoethane		0.565	0.540	0.545	0.542	0.512	0.527	0.538	3.32
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.487	0.533	0.568	0.532	0.532	0.530	5.43
57)	T	Chlorobenzene			1.053	1.078	1.088	0.951	0.946	1.023	6.78
58)	T	Ethyl Benzene			1.694	1.834	1.931	1.774	1.769	1.800	4.90
59)	T	m/p-Xylene			1.423	1.467	1.522	1.417	1.410	1.448	3.26
60)	T	o-Xylene			1.382	1.492	1.560	1.421	1.404	1.452	5.04
61)	T	Styrene			0.544	0.598	0.636	0.674	0.687	0.628	9.27
62)		Isopropylbenzene			2.138	2.234	2.293	2.135	2.105	2.181	3.64
63)	T	1,1,2,2-Tetrac...	0.979	0.936	0.953	0.909	0.907	0.841	0.835	0.909	5.96
64)		n-propylbenzene			0.520	0.581	0.584	0.535	0.537	0.551	5.28
65)		tert-Butylbenzene			1.964	2.027	2.100	1.892	1.856	1.968	5.04
66)	T	Benzyl Chloride			0.169	0.155	0.165	0.190	0.188	0.173	8.70
67)		sec-Butylbenzene			2.682	2.774	2.926	2.638	2.595	2.723	4.84
68)	S	1-Bromo-4-Fluo...	0.827	0.829	0.834	0.819	0.844	0.848	0.833	0.833	1.18
69)		p-Isopropyltol...			2.149	2.237	2.416	2.223	2.195	2.244	4.54
70)		n-Butylbenzene			1.977	2.184	2.300	2.198	2.183	2.168	5.43
71)		2-Chlorotoluene			1.640	1.698	1.760	1.616	1.609	1.665	3.84
72)	T	4-Ethyltoluene			1.681	1.659	1.794	1.731	1.703	1.713	3.06
73)	T	1,3,5-Trimethy...			1.324	1.378	1.483	1.465	1.458	1.422	4.78
74)	T	1,2,4-Trimethy...			1.396	1.519	1.619	1.566	1.543	1.529	5.41
75)	T	1,3-Dichlorobe...			1.023	1.015	0.994	0.929	0.912	0.975	5.22
76)	T	1,4-Dichlorobe...			0.996	0.972	0.992	0.931	0.924	0.963	3.50
77)	T	1,2-Dichlorobe...			1.009	0.978	0.983	0.865	0.855	0.938	7.68
78)	T	Hexachloro-1,3...			0.786	0.756	0.773	0.586	0.575	0.695	15.13
79)	T	Naphthalene		0.754	0.928	1.046	1.154	1.258	1.251	1.065	18.57
80)	T	Naphthalene,2- ...			0.094	0.093	0.137	0.651	0.673	0.329	92.27
81)	T	1,2,4-Trichlor...			0.536	0.553	0.592	0.621	0.608	0.582	6.25

(#) = Out of Range