

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

Method File : VL032122AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022

Last Update : Mon Mar 21 17:09:26 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL038653.D 0.1 =VL038652.D 0.5 =VL038651.D 1 =VL038650.D 2 =VL038649.D 10 =VL038648.D 15 =VL038654.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.639	1.628	1.231	1.153	1.070	1.344	20.11
3) Chlorodifluoro...			1.079	1.142	1.114	0.979	0.966	1.056	7.51
4) Chloromethane			0.593	0.611	0.611	0.548	0.536	0.580	6.13
5) T Vinyl Chloride	0.756	0.592	0.570	0.578	0.573	0.528	0.527	0.589	13.20
6) T Bromomethane			0.306	0.346	0.324	0.302	0.293	0.314	6.65
7) Chloroethane			0.211	0.204	0.191	0.189	0.180	0.195	6.45
8) T Dichlorotetra...			1.456	1.438	1.372	1.264	1.180	1.342	8.76
9) T Propene			0.538	0.541	0.525	0.474	0.472	0.510	6.75
10) T Heptane			1.052	1.261	1.297	1.244	1.240	1.219	7.88
11) T Trichlorofluor...			1.226	1.253	1.227	1.148	1.078	1.186	6.11
12) T 1,1,2-Trichlor...			0.946	0.988	0.942	0.890	0.800	0.913	7.92
13) Ethanol			0.071	0.070	0.063	0.043	0.034	0.056	29.79
14) T Bromoethene			0.401	0.437	0.421	0.390	0.381	0.406	5.61
15) T Acetone			0.906	0.947	0.898	0.790	0.774	0.863	8.88
16) T 1,3-Butadiene			0.500	0.516	0.489	0.472	0.473	0.490	3.79
17) tert-Butyl alc...			0.813	0.827	0.749	0.754	0.625	0.754	10.60
18) T 1,1-Dichloroet...			0.418	0.437	0.433	0.396	0.368	0.410	7.03
19) T Isopropyl Alcohol			0.524	0.529	0.475	0.472	0.392	0.478	11.55
20) T Methylene Chlo...			0.406	0.394	0.378	0.327	0.313	0.363	11.33
21) T Allyl Chloride			0.630	0.659	0.614	0.612	0.590	0.621	4.14
22) T trans-1,2-Dich...			0.426	0.447	0.422	0.430	0.402	0.426	3.74
23) T Vinyl Acetate			0.855	0.797	0.824	0.875	0.827	0.836	3.58
24) T 1,1-Dichloroet...			0.845	0.854	0.866	0.812	0.737	0.823	6.29
25) T Ethyl Acetate			2.110	2.276	2.281	2.122	2.071	2.172	4.56
26) T Hexane			0.957	1.029	1.023	0.935	0.918	0.972	5.22
27) T Carbon Disulfide			0.883	0.919	0.971	1.022	0.974	0.954	5.64
28) T Methyl tert-Bu...			0.700	0.782	0.765	0.713	0.662	0.724	6.74
29) T Chloroform			1.600	1.648	1.598	1.491	1.448	1.557	5.37
30) T Cyclohexane			0.848	0.875	0.879	0.824	0.802	0.846	3.92
31) T cis-1,2-Dichlo...			0.870	0.928	0.957	0.914	0.903	0.914	3.51
32) T 1,1,1-Trichlor...	1.699	1.482	1.398	1.565	1.540	1.443	1.391	1.503	7.25

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.413	0.399	0.338	0.357	0.473	0.396	13.32
35) T Carbon Tetrach...	0.629	0.568	0.565	0.592	0.584	0.573	0.552	0.580	4.34
36) T Benzene			0.742	0.798	0.814	0.763	0.742	0.772	4.29
37) T 1,2-Dichloroet...			0.392	0.408	0.404	0.384	0.375	0.393	3.45
38) T Trichloroethene	0.272	0.328	0.337	0.342	0.350	0.322	0.312	0.323	7.97
39) T 1,2-Dichloropr...			0.314	0.302	0.309	0.296	0.287	0.302	3.47

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40)	T	1,4-Dioxane		0.109	0.112	0.107	0.107	0.090	0.105	8.30
41)	T	Tetrahydrofuran		0.273	0.299	0.302	0.298	0.300	0.295	4.10
42)	T	Bromodichlorom...		0.572	0.589	0.607	0.600	0.576	0.589	2.51
43)		Methyl Methacr...		0.250	0.273	0.298	0.307	0.304	0.287	8.56
44)	T	2,2,4-Trimethy...		1.269	1.376	1.380	1.257	1.198	1.296	6.16
45)	T	t-1,3-Dichloro...		0.232	0.257	0.280	0.337	0.351	0.291	17.61
46)	T	cis-1,3-Dichlo...		0.324	0.374	0.402	0.436	0.435	0.394	11.90
47)	T	1,1,2-Trichlor...		0.335	0.329	0.324	0.314	0.309	0.322	3.30
48)	T	Dibromochlorom...		0.446	0.481	0.525	0.540	0.530	0.505	7.88
49)	T	Bromoform		0.353	0.379	0.421	0.453	0.450	0.411	10.71
50)	T	4-Methyl-2-Pen...		0.659	0.731	0.770	0.768	0.752	0.736	6.23
51)	T	2-Hexanone		0.444	0.473	0.531	0.599	0.596	0.529	13.30
52)	T	Tetrachloroethene	0.321 0.267	0.274	0.286	0.286	0.274	0.269	0.282	6.59
53)	T	Toluene		0.716	0.826	0.884	0.868	0.853	0.829	8.08
54)	T	1,2-Dibromoethane	0.414	0.423	0.439	0.446	0.462	0.456	0.440	4.22
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.437	0.428	0.418	0.398	0.392	0.415	4.62
57)	T	Chlorobenzene		0.768	0.750	0.725	0.682	0.681	0.721	5.43
58)	T	Ethyl Benzene		1.044	1.158	1.229	1.208	1.207	1.169	6.36
59)	T	m/p-Xylene		0.973	1.047	1.075	1.018	1.000	1.023	3.89
60)	T	o-Xylene		0.909	0.992	1.014	0.975	0.965	0.971	4.06
61)	T	Styrene		0.403	0.468	0.541	0.602	0.619	0.527	17.28
62)		Isopropylbenzene		1.410	1.509	1.512	1.444	1.423	1.460	3.28
63)	T	1,1,2,2-Tetrac...	0.970 0.781	0.741	0.734	0.716	0.667	0.656	0.752	13.99
64)		n-propylbenzene		0.358	0.378	0.400	0.389	0.390	0.383	4.12
65)		tert-Butylbenzene		1.257	1.375	1.401	1.278	1.248	1.312	5.41
66)	T	Benzyl Chloride		0.193	0.195	0.209	0.310	0.335	0.248	27.59
67)		sec-Butylbenzene		1.766	1.979	2.002	1.840	1.791	1.876	5.80
68)	S	1-Bromo-4-Fluo...	0.756 0.747	0.760	0.753	0.741	0.799	0.811	0.767	3.57
69)		p-Isopropyltol...		1.388	1.577	1.653	1.532	1.505	1.531	6.38
70)		n-Butylbenzene		1.405	1.586	1.719	1.610	1.575	1.579	7.14
71)		2-Chlorotoluene		1.012	1.096	1.140	1.088	1.081	1.083	4.25
72)	T	4-Ethyltoluene		1.011	1.128	1.181	1.193	1.218	1.146	7.17
73)	T	1,3,5-Trimethy...		0.965	1.023	1.113	1.054	1.067	1.044	5.25
74)	T	1,2,4-Trimethy...		1.094	1.172	1.210	1.119	1.094	1.138	4.51
75)	T	1,3-Dichlorobe...		0.717	0.746	0.747	0.704	0.709	0.725	2.82
76)	T	1,4-Dichlorobe...		0.687	0.730	0.753	0.715	0.718	0.721	3.34
77)	T	1,2-Dichlorobe...		0.723	0.742	0.728	0.693	0.703	0.718	2.71
78)	T	Hexachloro-1,3...		0.736	0.733	0.742	0.564	0.542	0.663	15.21
79)	T	Naphthalene	0.456	0.680	0.873	1.043	1.058	1.105	0.869	29.50
80)	T	Naphthalene,2- ...		0.155	0.152	0.280	0.284	0.295	0.233	31.37
81)	T	1,2,4-Trichlor...		0.511	0.577	0.646	0.614	0.628	0.595	8.97

(#) = Out of Range