

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

Method File : VL121124AIR.M

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

Last Update : Thu Dec 12 13:35:39 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041724.D 0.1 =VL041723.D 0.5 =VL041722.D 1 =VL041721.D 2 =VL041720.D 10 =VL041719.D 15 =VL041725.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.700	1.762	1.763	1.530	2.022	1.755	10.07
3) Chlorodifluoro...			1.452	1.432	1.426	1.250	1.247	1.361	7.60
4) Chloromethane			0.460	0.464	0.443	0.412	0.550	0.466	11.02
5) T Vinyl Chloride	0.716	0.557	0.547	0.526	0.524	0.478	0.645	0.571	14.34
6) T Bromomethane			0.365	0.355	0.356	0.330	0.464	0.374	13.92
7) Chloroethane			0.256	0.240	0.236	0.214	0.295	0.248	12.15
8) T Dichlorotetra...			1.437	1.409	1.430	1.223	1.657	1.431	10.75
9) T Propene			0.649	0.610	0.590	0.519	0.534	0.580	9.27
10) T Heptane			1.651	1.655	1.656	1.529	1.533	1.605	4.20
11) T Trichlorofluor...			2.015	1.995	2.016	1.758	2.321	2.021	9.90
12) T 1,1,2-Trichlor...			1.825	1.815	1.813	1.567	2.080	1.820	9.98
13) Ethanol			0.085	0.060	0.042	0.023	0.029	0.048#	52.36
14) T Bromoethene			0.608	0.651	0.660	0.593	0.824	0.667	13.79
15) T Acetone			1.433	1.273	1.190	0.832	1.044	1.155	19.80
16) T 1,3-Butadiene			0.400	0.408	0.368	0.337	0.423	0.387	8.93
17) tert-Butyl alc...			1.714	1.704	1.643	1.492	1.816	1.674	7.11
18) T 1,1-Dichloroet...			0.807	0.844	0.815	0.715	0.953	0.827	10.37
19) T Isopropyl Alcohol			1.932	1.287	0.971	0.591	0.703	1.097	49.11
20) T Methylene Chlo...			0.807	0.691	0.658	0.570	0.771	0.699	13.42
21) T Allyl Chloride			0.616	0.648	0.634	0.588	0.764	0.650	10.39
22) T trans-1,2-Dich...			0.961	0.918	0.932	0.830	1.159	0.960	12.63
23) T Vinyl Acetate			0.683	0.747	0.778	0.665	0.622	0.699	9.02
24) T 1,1-Dichloroet...			1.285	1.275	1.263	1.135	1.543	1.300	11.45
25) T Ethyl Acetate			1.651	1.655	1.656	1.529	1.533	1.605	4.20
26) T Hexane			1.616	1.610	1.638	1.455	1.463	1.556	5.77
27) T Carbon Disulfide			1.376	1.488	1.527	1.543	2.078	1.602	17.09
28) T Methyl tert-Bu...			1.250	1.169	1.101	1.085	1.236	1.168	6.46
29) T Chloroform			2.481	2.469	2.488	2.213	2.261	2.382	5.63
30) T Cyclohexane			1.806	1.774	1.808	1.655	1.695	1.748	3.97
31) T cis-1,2-Dichlo...			1.478	1.482	1.509	1.363	1.376	1.442	4.67
32) T 1,1,1-Trichlor...	2.580	2.220	2.283	2.360	2.429	2.239	2.291	2.343	5.40

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.371	0.375	0.364	0.319	0.321	0.350	7.91
35) T Carbon Tetrach...	0.460	0.408	0.449	0.475	0.493	0.480	0.495	0.466	6.54
36) T Benzene			0.820	0.818	0.812	0.735	0.746	0.786	5.37
37) T 1,2-Dichloroet...			0.292	0.288	0.295	0.270	0.276	0.284	3.74
38) T Trichloroethene	0.440	0.378	0.410	0.417	0.425	0.388	0.398	0.408	5.28
39) T 1,2-Dichloropr...			0.251	0.256	0.263	0.239	0.243	0.251	3.85

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40) T	1,4-Dioxane			0.153	0.160	0.155	0.142	0.146	0.151	4.71
41) T	Tetrahydrofuran			0.221	0.212	0.217	0.201	0.204	0.211	4.10
42) T	Bromodichlorom...			0.418	0.448	0.476	0.468	0.482	0.459	5.68
43) T	Methyl Methacr...			0.273	0.285	0.299	0.277	0.282	0.283	3.49
44) T	2,2,4-Trimethy...			1.124	1.148	1.142	1.027	1.032	1.094	5.49
45) T	t-1,3-Dichloro...			0.240	0.259	0.328	0.275	0.279	0.276	11.84
46) T	cis-1,3-Dichlo...			0.333	0.361	0.396	0.369	0.375	0.367	6.25
47) T	1,1,2-Trichlor...			0.332	0.336	0.367	0.314	0.320	0.334	6.15
48) T	Dibromochlorom...			0.386	0.431	0.561	0.503	0.522	0.481	14.74
49) T	Bromoform			0.344	0.397	0.526	0.505	0.527	0.460	18.33
50) T	4-Methyl-2-Pen...			0.497	0.505	0.553	0.473	0.483	0.502	6.14
51) T	2-Hexanone			0.408	0.420	0.473	0.381	0.384	0.413	9.02
52) T	Tetrachloroethene	0.451	0.428	0.411	0.410	0.436	0.384	0.396	0.417	5.57
53) T	Toluene			0.959	0.987	1.055	0.909	0.922	0.966	6.04
54) T	1,2-Dibromoethane		0.418	0.451	0.465	0.506	0.444	0.452	0.456	6.39
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.431	0.457	0.496	0.465	0.475	0.465	5.10
57) T	Chlorobenzene			0.928	0.953	0.954	0.855	0.860	0.910	5.39
58) T	Ethyl Benzene			1.351	1.366	1.441	1.272	1.261	1.338	5.51
59) T	m/p-Xylene			1.027	1.065	1.096	0.971	0.968	1.026	5.50
60) T	o-Xylene			1.018	1.051	1.076	0.970	0.968	1.017	4.74
61) T	Styrene			0.509	0.547	0.606	0.568	0.576	0.561	6.37
62) T	Isopropylbenzene			1.707	1.753	1.809	1.574	1.542	1.677	6.85
63) T	1,1,2,2-Tetrac...	0.707	0.622	0.655	0.672	0.696	0.628	0.626	0.658	5.28
64) T	n-propylbenzene			0.476	0.503	0.528	0.475	0.488	0.494	4.46
65) T	tert-Butylbenzene			1.614	1.652	1.712	1.488	1.484	1.590	6.37
66) T	Benzyl Chloride			1.152	1.182	1.213	1.074	1.080	1.140	5.42
67) T	sec-Butylbenzene			2.090	2.185	2.257	1.903	1.856	2.058	8.47
68) S	1-Bromo-4-Fluo...	0.651	0.658	0.653	0.654	0.661	0.663	0.661	0.657	0.71
69) T	p-Isopropyltol...			1.749	1.844	1.945	1.675	1.663	1.775	6.72
70) T	n-Butylbenzene			1.429	1.526	1.596	1.402	1.413	1.473	5.74
71) T	2-Chlorotoluene			1.152	1.182	1.213	1.074	1.080	1.140	5.42
72) T	4-Ethyltoluene			1.272	1.350	1.404	1.264	1.274	1.313	4.69
73) T	1,3,5-Trimethy...			1.022	1.072	1.116	1.043	1.057	1.062	3.35
74) T	1,2,4-Trimethy...			1.108	1.142	1.227	1.143	1.153	1.155	3.81
75) T	1,3-Dichlorobe...			0.929	0.953	0.975	0.868	0.889	0.923	4.80
76) T	1,4-Dichlorobe...			0.906	0.934	0.960	0.872	0.884	0.911	3.94
77) T	1,2-Dichlorobe...			0.894	0.897	0.920	0.817	0.841	0.874	4.91
78) T	Hexachloro-1,3...			0.742	0.767	0.816	0.609	0.657	0.718	11.71
79) T	Naphthalene		0.807	0.903	1.002	1.129	1.022	1.067	0.988	11.78
80) T	Naphthalene,2-...			0.148	0.171	0.278	0.566	0.625	0.358	62.59
81) T	1,2,4-Trichlor...			0.588	0.608	0.651	0.614	0.651	0.622	4.42

(#) = Out of Range