

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

Method File : VL102422AIR.M

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

Last Update : Mon Oct 24 20:00:55 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL039766.D 0.1 =VL039765.D 0.5 =VL039761.D 1 =VL039760.D 2 =VL039759.D 10 =VL039758.D 15 =VL039764.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.345	1.281	1.100	0.796	0.712	1.047	27.09
3) Chlorodifluoro...			1.250	1.243	1.240	1.153	1.120	1.201	5.03
4) Chloromethane			0.792	0.747	0.778	0.722	0.721	0.752	4.26
5) T Vinyl Chloride	0.709	0.635	0.551	0.597	0.646	0.606	0.622	0.624	7.78
6) T Bromomethane			0.226	0.232	0.223	0.219	0.220	0.224	2.37
7) Chloroethane			0.221	0.225	0.217	0.221	0.237	0.224	3.42
8) T Dichlorotetra...			1.597	1.495	1.456	1.275	1.011	1.367	16.85
9) T Propene			0.491	0.508	0.548	0.516	0.518	0.516	4.04
10) T Heptane			0.982	1.175	1.307	1.340	1.374	1.236	13.01
11) T Trichlorofluor...			1.486	1.462	1.521	1.416	1.431	1.463	2.88
12) T 1,1,2-Trichlor...			1.165	1.135	1.140	1.130	1.102	1.135	2.00
13) Ethanol			0.039	0.037	0.034	0.037	0.037	0.037#	4.82
14) T Bromoethene			0.457	0.435	0.458	0.446	0.455	0.450	2.18
15) T Acetone			1.230	1.259	1.308	1.083	1.093	1.194	8.47
16) T 1,3-Butadiene			0.574	0.592	0.589	0.587	0.609	0.590	2.13
17) tert-Butyl alc...			0.928	0.925	1.015	1.063	0.940	0.974	6.35
18) T 1,1-Dichloroet...			0.506	0.477	0.515	0.492	0.505	0.499	2.99
19) T Isopropyl Alcohol			0.563	0.535	0.505	0.615	0.581	0.560	7.54
20) T Methylene Chlo...			0.551	0.446	0.443	0.413	0.419	0.454	12.31
21) T Allyl Chloride			0.826	0.712	0.763	0.771	0.793	0.773	5.44
22) T trans-1,2-Dich...			0.549	0.502	0.511	0.517	0.514	0.519	3.46
23) T Vinyl Acetate			0.503	0.434	0.455	0.437	0.472	0.460	6.14
24) T 1,1-Dichloroet...			1.152	1.067	1.041	1.050	1.051	1.072	4.26
25) T Ethyl Acetate			2.189	2.194	2.469	2.404	2.420	2.335	5.71
26) T Hexane			0.891	0.940	1.041	1.006	0.976	0.971	5.99
27) T Carbon Disulfide			0.990	1.083	1.176	1.250	1.264	1.153	10.03
28) T Methyl tert-Bu...			0.879	0.818	0.834	0.887	0.807	0.845	4.28
29) T Chloroform			1.492	1.545	1.579	1.497	1.519	1.526	2.36
30) T Cyclohexane			0.765	0.717	0.824	0.835	0.837	0.796	6.63
31) T cis-1,2-Dichlo...			0.907	0.947	0.938	0.939	0.955	0.937	1.95
32) T 1,1,1-Trichlor...	1.314	1.215	1.382	1.388	1.500	1.440	1.461	1.385	6.97

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.475	0.457	0.478	0.467	0.474	0.470	1.76
35) T Carbon Tetrach...	0.629	0.498	0.519	0.568	0.595	0.591	0.592	0.570	8.10
36) T Benzene			0.699	0.756	0.810	0.799	0.786	0.770	5.80
37) T 1,2-Dichloroet...			0.401	0.413	0.432	0.421	0.425	0.418	2.86
38) T Trichloroethene	0.440	0.416	0.408	0.404	0.459	0.457	0.459	0.435	5.70
39) T 1,2-Dichloropr...			0.298	0.276	0.306	0.302	0.302	0.297	3.96

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40) T	1,4-Dioxane			0.091	0.109	0.111	0.102	0.093	0.101	9.11
41) T	Tetrahydrofuran			0.248	0.257	0.301	0.330	0.326	0.292	13.11
42) T	Bromodichlorom...			0.556	0.552	0.596	0.621	0.621	0.589	5.73
43) T	Methyl Methacr...			0.193	0.240	0.280	0.314	0.314	0.268	19.40
44) T	2,2,4-Trimethy...			1.126	1.279	1.387	1.336	1.310	1.288	7.66
45) T	t-1,3-Dichloro...			0.158	0.172	0.214	0.291	0.303	0.228	29.22
46) T	cis-1,3-Dichlo...			0.214	0.271	0.339	0.401	0.410	0.327	25.82
47) T	1,1,2-Trichlor...			0.299	0.320	0.319	0.326	0.325	0.318	3.35
48) T	Dibromochlorom...			0.434	0.478	0.531	0.554	0.561	0.511	10.59
49) T	Bromoform			0.339	0.365	0.439	0.467	0.473	0.417	14.65
50) T	4-Methyl-2-Pen...			0.589	0.637	0.796	0.839	0.830	0.738	15.81
51) T	2-Hexanone			0.378	0.483	0.551	0.639	0.651	0.540	21.00
52) T	Tetrachloroethene	0.332	0.255	0.260	0.272	0.301	0.301	0.299	0.288	9.52
53) T	Toluene			0.572	0.726	0.868	0.930	0.938	0.807	19.39
54) T	1,2-Dibromoethane	0.261		0.286	0.302	0.336	0.369	0.380	0.322	14.71
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.422	0.429	0.439	0.424	0.402	0.423	3.24
57) T	Chlorobenzene			0.803	0.791	0.786	0.743	0.712	0.767	4.98
58) T	Ethyl Benzene			0.875	1.047	1.252	1.287	1.235	1.139	15.33
59) T	m/p-Xylene			0.853	1.047	1.114	1.092	1.035	1.028	10.01
60) T	o-Xylene			0.774	0.950	1.045	1.046	1.005	0.964	11.74
61) T	Styrene			0.308	0.426	0.550	0.629	0.619	0.506	27.15
62) T	Isopropylbenzene			1.319	1.478	1.582	1.526	1.459	1.473	6.68
63) T	1,1,2,2-Tetrac...	0.522	0.356	0.436	0.402	0.410	0.363	0.350	0.406	14.91
64) T	n-propylbenzene			0.323	0.374	0.399	0.385	0.384	0.373	7.82
65) T	tert-Butylbenzene			1.078	1.300	1.449	1.324	1.266	1.284	10.45
66) T	Benzyl Chloride			0.086	0.079	0.087	0.103	0.102	0.091	11.66
67) T	sec-Butylbenzene			1.621	1.820	1.986	1.843	1.770	1.808	7.30
68) S	1-Bromo-4-Fluo...	0.724	0.705	0.723	0.722	0.695	0.713	0.697	0.711	1.74
69) T	p-Isopropyltol...			1.191	1.503	1.631	1.530	1.457	1.463	11.24
70) T	n-Butylbenzene			1.094	1.402	1.581	1.479	1.436	1.398	13.10
71) T	2-Chlorotoluene			0.830	0.995	1.131	1.103	1.057	1.023	11.70
72) T	4-Ethyltoluene			0.871	1.086	1.189	1.208	1.200	1.111	12.87
73) T	1,3,5-Trimethy...			0.736	0.996	1.080	1.093	1.064	0.994	14.96
74) T	1,2,4-Trimethy...			0.955	1.174	1.248	1.143	1.108	1.126	9.65
75) T	1,3-Dichlorobe...			0.628	0.705	0.724	0.690	0.669	0.683	5.40
76) T	1,4-Dichlorobe...			0.639	0.643	0.671	0.667	0.638	0.652	2.47
77) T	1,2-Dichlorobe...			0.642	0.656	0.694	0.641	0.624	0.651	4.05
78) T	Hexachloro-1,3...			0.531	0.555	0.551	0.430	0.415	0.496	13.78
79) T	Naphthalene	0.428		0.495	0.671	0.877	0.834	0.826	0.688	27.66
80) T	Naphthalene,2-...			0.183	0.164	0.269	0.273	0.281	0.234	23.95
81) T	1,2,4-Trichlor...			0.381	0.430	0.522	0.472	0.470	0.455	11.57

(#) = Out of Range