

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

Method File : VL072524AIR.M

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

Last Update : Fri Jul 26 07:31:14 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041404.D 0.1 =VL041403.D 0.5 =VL041398.D 1 =VL041401.D 2 =VL041400.D 10 =VL041399.D 15 =VL041405.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.883	2.019	2.126	1.425	1.148	1.720	24.23
3) Chlorodifluoro...			1.302	1.262	1.264	1.070	1.054	1.190	9.97
4) Chloromethane			0.682	0.685	0.687	0.564	0.548	0.633	11.12
5) T Vinyl Chloride	0.719	0.563	0.628	0.663	0.653	0.570	0.571	0.624	9.45
6) T Bromomethane			0.331	0.344	0.333	0.295	0.301	0.321	6.69
7) Chloroethane			0.240	0.210	0.226	0.202	0.198	0.215	8.14
8) T Dichlorotetra...			1.593	1.646	1.681	1.381	1.321	1.524	10.69
9) T Propene			0.576	0.586	0.588	0.489	0.495	0.547	9.16
10) T Heptane			1.139	1.240	1.371	1.200	1.194	1.229	7.09
11) T Trichlorofluor...			1.621	1.638	1.636	1.383	1.362	1.528	9.32
12) T 1,1,2-Trichlor...			1.154	1.154	1.201	0.999	0.992	1.100	8.85
13) Ethanol			0.044	0.066	0.065	0.035	0.035	0.049#	31.91
14) T Bromoethene			0.417	0.430	0.468	0.412	0.417	0.429	5.27
15) T Acetone			1.292	1.192	1.231	0.996	0.969	1.136	12.76
16) T 1,3-Butadiene			0.605	0.652	0.664	0.556	0.558	0.607	8.38
17) tert-Butyl alc...			1.032	1.100	0.986	1.053	1.011	1.036	4.17
18) T 1,1-Dichloroet...			0.460	0.479	0.515	0.455	0.444	0.471	5.93
19) T Isopropyl Alcohol			0.711	0.674	0.661	0.646	0.630	0.664	4.64
20) T Methylene Chlo...			0.502	0.430	0.444	0.371	0.372	0.424	12.91
21) T Allyl Chloride			0.714	0.783	0.796	0.726	0.707	0.745	5.53
22) T trans-1,2-Dich...			0.462	0.481	0.516	0.448	0.446	0.471	6.16
23) T Vinyl Acetate			0.777	0.874	0.939	0.884	0.865	0.868	6.71
24) T 1,1-Dichloroet...			1.083	1.045	1.116	0.941	0.923	1.022	8.40
25) T Ethyl Acetate			2.177	2.381	2.517	2.116	2.094	2.257	8.16
26) T Hexane			0.897	0.951	1.056	0.889	0.889	0.936	7.64
27) T Carbon Disulfide			1.055	1.020	1.160	1.120	1.122	1.095	5.18
28) T Methyl tert-Bu...			0.565	0.637	0.652	0.555	0.543	0.591	8.53
29) T Chloroform			1.554	1.612	1.659	1.414	1.398	1.527	7.65
30) T Cyclohexane			0.602	0.795	0.875	0.764	0.777	0.763	13.04
31) T cis-1,2-Dichlo...			0.879	0.937	1.022	0.890	0.896	0.925	6.35
32) T 1,1,1-Trichlor...	1.713	1.310	1.498	1.517	1.581	1.398	1.388	1.487	9.11

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.465	0.491	0.528	0.467	0.467	0.484	5.58
35) T Carbon Tetrach...	0.584	0.500	0.542	0.558	0.589	0.548	0.540	0.552	5.42
36) T Benzene			0.691	0.778	0.792	0.705	0.689	0.731	6.82
37) T 1,2-Dichloroet...			0.413	0.416	0.428	0.393	0.396	0.409	3.55
38) T Trichloroethene	0.394	0.288	0.326	0.349	0.349	0.320	0.317	0.335	9.99
39) T 1,2-Dichloropr...			0.267	0.294	0.303	0.266	0.269	0.280	6.21

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\ Method File : VL072524AIR.M										
40) T	1,4-Dioxane			0.130	0.110	0.106	0.115	0.101	0.112	9.70
41) T	Tetrahydrofuran			0.226	0.291	0.308	0.278	0.280	0.277	11.09
42) T	Bromodichlorom...			0.573	0.613	0.622	0.576	0.568	0.591	4.26
43) T	Methyl Methacr...			0.205	0.252	0.287	0.283	0.284	0.262	13.30
44) T	2,2,4-Trimethy...			1.168	1.294	1.342	1.165	1.132	1.220	7.54
45) T	t-1,3-Dichloro...			0.166	0.202	0.248	0.287	0.302	0.241	23.76
46) T	cis-1,3-Dichlo...			0.270	0.325	0.372	0.382	0.392	0.348	14.53
47) T	1,1,2-Trichlor...			0.310	0.313	0.334	0.294	0.291	0.308	5.62
48) T	Dibromochlorom...			0.447	0.503	0.526	0.505	0.503	0.497	5.97
49) T	Bromoform			0.354	0.401	0.455	0.446	0.443	0.420	10.10
50) T	4-Methyl-2-Pen...			0.644	0.773	0.860	0.776	0.763	0.763	10.08
51) T	2-Hexanone			0.398	0.569	0.640	0.639	0.640	0.577	18.10
52) T	Tetrachloroethene	0.308	0.260	0.275	0.289	0.304	0.271	0.270	0.282	6.49
53) T	Toluene			0.678	0.851	0.889	0.829	0.822	0.814	9.86
54) T	1,2-Dibromoethane	0.340		0.377	0.424	0.463	0.429	0.429	0.410	10.74
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.401	0.401	0.412	0.372	0.353	0.388	6.36
57) T	Chlorobenzene			0.747	0.762	0.758	0.667	0.626	0.712	8.71
58) T	Ethyl Benzene			1.028	1.229	1.262	1.151	1.092	1.153	8.35
59) T	m/p-Xylene			0.934	1.065	1.083	0.979	0.914	0.995	7.68
60) T	o-Xylene			0.842	1.015	1.038	0.931	0.880	0.941	8.96
61) T	Styrene			0.313	0.424	0.468	0.464	0.455	0.425	15.32
62) T	Isopropylbenzene			1.404	1.552	1.560	1.368	1.270	1.431	8.68
63) T	1,1,2,2-Tetrac...	0.575	0.568	0.626	0.641	0.650	0.569	0.533	0.594	7.45
64) T	n-propylbenzene			0.353	0.393	0.408	0.370	0.347	0.374	6.89
65) T	tert-Butylbenzene			1.229	1.412	1.448	1.235	1.138	1.292	10.21
66) T	Benzyl Chloride			0.069	0.076	0.080	0.092	0.097	0.083	13.50
67) T	sec-Butylbenzene			1.641	1.940	2.017	1.719	1.586	1.781	10.59
68) S	1-Bromo-4-Fluo...	0.772	0.783	0.774	0.764	0.764	0.782	0.747	0.770	1.63
69) T	p-Isopropyltol...			1.299	1.617	1.674	1.453	1.346	1.478	11.11
70) T	n-Butylbenzene			1.347	1.622	1.731	1.488	1.386	1.515	10.64
71) T	2-Chlorotoluene			0.990	1.133	1.154	1.033	0.966	1.055	8.00
72) T	4-Ethyltoluene			0.976	1.143	1.229	1.138	1.054	1.108	8.70
73) T	1,3,5-Trimethy...			0.831	0.987	1.072	0.974	0.909	0.955	9.46
74) T	1,2,4-Trimethy...			1.034	1.199	1.238	1.074	1.003	1.110	9.32
75) T	1,3-Dichlorobe...			0.663	0.751	0.768	0.672	0.634	0.698	8.33
76) T	1,4-Dichlorobe...			0.673	0.710	0.716	0.656	0.623	0.676	5.74
77) T	1,2-Dichlorobe...			0.692	0.731	0.767	0.654	0.614	0.692	8.73
78) T	Hexachloro-1,3...			0.621	0.680	0.665	0.499	0.484	0.590	15.69
79) T	Naphthalene	0.490		0.808	1.106	1.252	1.125	1.096	0.980	28.67
80) T	Naphthalene,2-...			0.499	0.667	0.911	0.992	1.036	0.821	27.97
81) T	1,2,4-Trichlor...			0.504	0.606	0.646	0.587	0.573	0.583	8.95

(#) = Out of Range