

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

Method File : VL012324AIR.M

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

Last Update : Wed Jan 24 00:50:15 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL040995.D 0.1 =VL040994.D 0.5 =VL040993.D 1 =VL040992.D 2 =VL040991.D 10 =VL040990.D 15 =VL040996.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			2.546	2.371	2.276	1.958	1.892	2.209	12.56
3)	Chlorodifluoro...			1.864	1.875	1.731	1.486	1.454	1.682	12.02
4)	Chloromethane			0.732	0.677	0.639	0.559	0.544	0.630	12.59
5) T	Vinyl Chloride	0.568	0.563	0.686	0.668	0.676	0.595	0.571	0.618	9.03
6) T	Bromomethane			0.287	0.292	0.271	0.247	0.249	0.269	7.76
7)	Chloroethane			0.237	0.245	0.226	0.201	0.205	0.223	8.60
8) T	Dichlorotetra...			1.898	1.753	1.723	1.465	1.411	1.650	12.45
9) T	Propene			0.600	0.578	0.602	0.486	0.492	0.552	10.48
10) T	Heptane			1.384	1.443	1.431	1.279	1.253	1.358	6.43
11) T	Trichlorofluor...			1.937	1.946	1.844	1.615	1.558	1.780	10.23
12) T	1,1,2-Trichlor...			1.440	1.424	1.306	1.162	1.117	1.290	11.45
13)	Ethanol			0.125	0.163	0.154	0.109	0.107	0.131	19.70
14) T	Bromoethene			0.531	0.510	0.521	0.465	0.449	0.495	7.31
15) T	Acetone			1.494	1.412	1.373	1.049	1.066	1.279	16.18
16) T	1,3-Butadiene			0.664	0.646	0.627	0.567	0.555	0.612	7.91
17)	tert-Butyl alc...			1.050	1.157	1.064	1.048	0.926	1.049	7.83
18) T	1,1-Dichloroet...			0.576	0.600	0.578	0.508	0.499	0.552	8.27
19) T	Isopropyl Alcohol			0.821	0.768	0.746	0.696	0.671	0.740	8.01
20) T	Methylene Chlo...			0.633	0.518	0.500	0.413	0.396	0.492	19.33
21) T	Allyl Chloride			0.784	0.862	0.799	0.721	0.719	0.777	7.68
22) T	trans-1,2-Dich...			0.638	0.595	0.568	0.526	0.516	0.569	8.90
23) T	Vinyl Acetate			1.276	1.443	1.346	1.245	1.281	1.318	5.99
24) T	1,1-Dichloroet...			1.334	1.229	1.166	1.069	1.050	1.169	10.03
25) T	Ethyl Acetate			2.391	2.519	2.429	2.147	2.108	2.319	7.82
26) T	Hexane			1.016	1.041	1.066	0.912	0.906	0.988	7.53
27) T	Carbon Disulfide			1.287	1.215	1.387	1.273	1.269	1.286	4.86
28) T	Methyl tert-Bu...			0.888	0.876	0.838	0.763	0.737	0.820	8.22
29) T	Chloroform			1.917	1.845	1.853	1.593	1.558	1.753	9.42
30) T	Cyclohexane			0.826	0.877	0.877	0.789	0.772	0.828	5.88
31) T	cis-1,2-Dichlo...			0.942	0.935	1.009	0.847	0.906	0.928	6.34
32) T	1,1,1-Trichlor...	1.461	1.516	1.904	1.869	1.802	1.605	1.571	1.675	10.70

33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.474	0.483	0.501	0.456	0.468	0.476	3.61
35) T	Carbon Tetrach...	0.634	0.587	0.680	0.698	0.735	0.660	0.675	0.667	7.05
36) T	Benzene			0.817	0.855	0.883	0.788	0.787	0.826	5.13
37) T	1,2-Dichloroet...			0.495	0.516	0.546	0.483	0.480	0.504	5.39
38) T	Trichloroethene	0.429	0.272	0.320	0.327	0.341	0.312	0.317	0.331	14.50
39) T	1,2-Dichloropr...			0.318	0.338	0.348	0.308	0.314	0.325	5.27

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\ Method File : VL012324AIR.M									
40) T	1,4-Dioxane		0.134	0.146	0.137	0.129	0.129	0.135	5.24
41) T	Tetrahydrofuran		0.317	0.300	0.347	0.327	0.326	0.323	5.18
42) T	Bromodichlorom...		0.682	0.731	0.773	0.705	0.715	0.721	4.71
43) T	Methyl Methacr...		0.274	0.306	0.350	0.328	0.334	0.319	9.17
44) T	2,2,4-Trimethy...		1.349	1.481	1.520	1.305	1.294	1.390	7.50
45) T	t-1,3-Dichloro...		0.182	0.183	0.224	0.240	0.260	0.218	15.87
46) T	cis-1,3-Dichlo...		0.247	0.250	0.275	0.287	0.299	0.272	8.44
47) T	1,1,2-Trichlor...		0.342	0.367	0.365	0.338	0.341	0.351	4.08
48) T	Dibromochlorom...		0.554	0.575	0.626	0.593	0.617	0.593	5.00
49) T	Bromoform		0.369	0.448	0.511	0.489	0.508	0.465	12.78
50) T	4-Methyl-2-Pen...		0.787	0.804	0.913	0.842	0.848	0.839	5.81
51) T	2-Hexanone		0.509	0.598	0.658	0.620	0.639	0.605	9.59
52) T	Tetrachloroethene	0.251 0.250	0.283	0.289	0.294	0.273	0.280	0.274	6.38
53) T	Toluene		0.828	0.909	0.974	0.905	0.909	0.905	5.75
54) T	1,2-Dibromoethane	0.394	0.461	0.484	0.526	0.485	0.499	0.475	9.44
-----ISTD-----									
55) I	Chlorobenzene-d5								
56) T	1,1,1,2-Tetrac...		0.487	0.497	0.494	0.449	0.471	0.480	4.14
57) T	Chlorobenzene		0.825	0.839	0.849	0.737	0.771	0.804	5.97
58) T	Ethyl Benzene		1.276	1.364	1.437	1.294	1.343	1.343	4.75
59) T	m/p-Xylene		1.110	1.231	1.258	1.108	1.147	1.171	5.97
60) T	o-Xylene		1.047	1.194	1.222	1.057	1.097	1.123	7.12
61) T	Styrene		0.412	0.493	0.551	0.543	0.580	0.516	12.79
62) T	Isopropylbenzene		1.635	1.765	1.781	1.535	1.591	1.661	6.49
63) T	1,1,2,2-Tetrac...	0.911 0.822	0.929	0.921	0.934	0.777	0.817	0.873	7.47
64) T	n-propylbenzene		0.387	0.437	0.455	0.395	0.424	0.420	6.73
65) T	tert-Butylbenzene		1.354	1.531	1.600	1.357	1.415	1.451	7.55
66) T	Benzyl Chloride		0.079	0.085	0.099	0.097	0.115	0.095	14.60
67) T	sec-Butylbenzene		2.085	2.256	2.342	1.918	1.966	2.113	8.63
68) S	1-Bromo-4-Fluo...	0.747 0.763	0.756	0.741	0.731	0.754	0.796	0.755	2.72
69) T	p-Isopropyltol...		1.463	1.721	1.836	1.561	1.604	1.637	8.83
70) T	n-Butylbenzene		1.620	1.811	2.046	1.658	1.710	1.769	9.64
71) T	2-Chlorotoluene		1.212	1.351	1.384	1.211	1.250	1.282	6.28
72) T	4-Ethyltoluene		1.169	1.276	1.349	1.211	1.268	1.255	5.45
73) T	1,3,5-Trimethy...		1.071	1.131	1.222	1.054	1.089	1.113	6.05
74) T	1,2,4-Trimethy...		1.204	1.344	1.391	1.166	1.206	1.262	7.83
75) T	1,3-Dichlorobe...		0.706	0.745	0.777	0.664	0.700	0.718	6.06
76) T	1,4-Dichlorobe...		0.753	0.714	0.737	0.653	0.687	0.709	5.62
77) T	1,2-Dichlorobe...		0.716	0.743	0.781	0.653	0.677	0.714	7.18
78) T	Hexachloro-1,3...		0.498	0.521	0.516	0.373	0.393	0.460	15.49
79) T	Naphthalene	0.356	0.548	0.702	0.932	0.873	0.910	0.720	32.07
80) T	Naphthalene,2-...		0.061	0.072	0.132	0.158	0.210	0.126	48.63
81) T	1,2,4-Trichlor...		0.363	0.419	0.455	0.422	0.442	0.420	8.41

(#) = Out of Range