

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

Method File : VL121922AIR.M

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

Last Update : Tue Dec 20 04:50:21 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL040025.D 0.1 =VL040024.D 0.5 =VL040023.D 1 =VL040022.D 2 =VL040021.D 10 =VL040020.D 15 =VL040026.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.593	2.217	1.818	1.368	1.364	1.872	28.69
3) Chlorodifluoro...			1.674	1.660	1.611	1.222	1.210	1.475	16.12
4) Chloromethane			1.001	1.059	1.015	0.782	0.765	0.924	15.12
5) T Vinyl Chloride	0.615	0.742	0.826	0.871	0.847	0.667	0.667	0.748	13.59
6) T Bromomethane			0.300	0.306	0.291	0.241	0.237	0.275	12.05
7) Chloroethane			0.320	0.299	0.302	0.240	0.250	0.282	12.39
8) T Dichlorotetra...			2.236	2.275	2.148	1.609	1.579	1.969	17.57
9) T Propene			0.683	0.688	0.689	0.541	0.529	0.626	13.26
10) T Heptane			1.592	1.650	1.716	1.353	1.331	1.528	11.51
11) T Trichlorofluor...			2.220	2.241	2.254	1.713	1.743	2.034	13.77
12) T 1,1,2-Trichlor...			1.706	1.692	1.688	1.308	1.308	1.540	13.80
13) Ethanol			0.068	0.086	0.052	0.049	0.040	0.059	30.80
14) T Bromoethene			0.568	0.660	0.627	0.518	0.527	0.580	10.68
15) T Acetone			1.716	1.846	1.780	1.210	1.182	1.547	20.92
16) T 1,3-Butadiene			0.659	0.698	0.801	0.607	0.596	0.672	12.35
17) tert-Butyl alc...			1.778	1.746	1.617	1.314	1.169	1.525	17.73
18) T 1,1-Dichloroet...			0.726	0.717	0.748	0.582	0.580	0.671	12.31
19) T Isopropyl Alcohol			0.812	0.862	0.849	0.675	0.614	0.762	14.60
20) T Methylene Chlo...			0.852	0.730	0.730	0.485	0.491	0.658	24.73
21) T Allyl Chloride			0.948	0.988	1.033	0.841	0.837	0.930	9.44
22) T trans-1,2-Dich...			0.652	0.722	0.724	0.613	0.631	0.668	7.73
23) T Vinyl Acetate			0.506	0.489	0.553	0.458	0.447	0.490	8.58
24) T 1,1-Dichloroet...			1.574	1.579	1.592	1.221	1.235	1.440	13.47
25) T Ethyl Acetate			2.934	2.994	2.967	2.261	2.239	2.679	14.63
26) T Hexane			1.223	1.245	1.254	0.952	0.956	1.126	13.96
27) T Carbon Disulfide			1.215	1.388	1.588	1.433	1.478	1.420	9.63
28) T Methyl tert-Bu...			1.456	1.433	1.481	1.134	1.132	1.327	13.41
29) T Chloroform			1.932	1.857	1.852	1.429	1.522	1.718	13.16
30) T Cyclohexane			0.985	1.095	1.132	0.888	0.886	0.997	11.45
31) T cis-1,2-Dichlo...			1.144	1.154	1.141	0.964	0.959	1.072	9.43
32) T 1,1,1-Trichlor...	1.530	1.644	2.002	2.050	2.168	1.735	1.748	1.840	12.79
33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.575	0.582	0.609	0.475	0.471	0.542	11.88
35) T Carbon Tetrach...	0.503	0.528	0.637	0.694	0.734	0.618	0.634	0.621	13.35
36) T Benzene			0.898	0.996	1.008	0.782	0.781	0.893	12.35
37) T 1,2-Dichloroet...			0.516	0.576	0.595	0.460	0.472	0.524	11.57
38) T Trichloroethene	0.318	0.406	0.488	0.538	0.547	0.454	0.461	0.459	17.26
39) T 1,2-Dichloropr...			0.342	0.361	0.376	0.296	0.298	0.335	10.86

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40)	T	1,4-Dioxane		0.161	0.171	0.167	0.130	0.125	0.151	14.33
41)	T	Tetrahydrofuran		0.349	0.365	0.388	0.296	0.296	0.339	12.26
42)	T	Bromodichlorom...		0.691	0.749	0.806	0.666	0.677	0.718	8.21
43)		Methyl Methacr...		0.319	0.346	0.385	0.311	0.314	0.335	9.18
44)	T	2,2,4-Trimethy...		1.539	1.629	1.674	1.262	1.248	1.470	13.78
45)	T	t-1,3-Dichloro...		0.231	0.249	0.307	0.309	0.320	0.283	14.24
46)	T	cis-1,3-Dichlo...		0.330	0.389	0.449	0.411	0.417	0.400	11.08
47)	T	1,1,2-Trichlor...		0.378	0.387	0.414	0.324	0.330	0.367	10.59
48)	T	Dibromochlorom...		0.483	0.563	0.631	0.549	0.561	0.558	9.43
49)	T	Bromoform		0.346	0.416	0.482	0.434	0.449	0.425	11.92
50)	T	4-Methyl-2-Pen...		0.853	0.966	1.025	0.798	0.790	0.886	11.78
51)	T	2-Hexanone		0.655	0.730	0.794	0.631	0.637	0.689	10.24
52)	T	Tetrachloroethene	0.310 0.305	0.304	0.319	0.343	0.270	0.275	0.304	8.29
53)	T	Toluene		0.958	1.072	1.124	0.898	0.893	0.989	10.56
54)	T	1,2-Dibromoethane	0.306	0.400	0.442	0.465	0.371	0.384	0.395	14.22
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.476	0.505	0.517	0.404	0.404	0.461	11.82
57)	T	Chlorobenzene		0.922	0.961	0.937	0.722	0.702	0.849	14.83
58)	T	Ethyl Benzene		1.452	1.535	1.633	1.254	1.230	1.421	12.36
59)	T	m/p-Xylene		1.285	1.394	1.403	1.062	1.045	1.238	14.09
60)	T	o-Xylene		1.210	1.343	1.357	1.017	1.003	1.186	14.39
61)	T	Styrene		0.574	0.661	0.729	0.606	0.609	0.636	9.55
62)		Isopropylbenzene		1.843	1.933	1.939	1.431	1.402	1.710	15.81
63)	T	1,1,2,2-Tetrac...	0.376 0.439	0.513	0.519	0.522	0.335	0.339	0.435	19.55
64)		n-propylbenzene		0.444	0.480	0.497	0.367	0.372	0.432	13.95
65)		tert-Butylbenzene		1.569	1.693	1.717	1.234	1.215	1.486	16.48
66)	T	Benzyl Chloride		0.079	0.080	0.088	0.092	0.093	0.087	7.46
67)		sec-Butylbenzene		2.187	2.397	2.426	1.719	1.681	2.082	17.35
68)	S	1-Bromo-4-Fluo...	0.775 0.782	0.781	0.764	0.742	0.751	0.752	0.764	2.10
69)		p-Isopropyltol...		1.678	1.904	1.974	1.391	1.369	1.663	16.89
70)		n-Butylbenzene		1.819	1.965	2.082	1.432	1.414	1.742	17.56
71)		2-Chlorotoluene		1.360	1.482	1.504	1.093	1.084	1.304	15.70
72)	T	4-Ethyltoluene		1.319	1.466	1.505	1.149	1.143	1.317	12.92
73)	T	1,3,5-Trimethy...		1.225	1.335	1.360	1.011	1.006	1.187	14.42
74)	T	1,2,4-Trimethy...		1.408	1.461	1.514	1.086	1.075	1.309	16.20
75)	T	1,3-Dichlorobe...		0.743	0.800	0.832	0.604	0.601	0.716	15.11
76)	T	1,4-Dichlorobe...		0.728	0.794	0.786	0.591	0.598	0.699	14.17
77)	T	1,2-Dichlorobe...		0.746	0.769	0.782	0.567	0.569	0.687	15.85
78)	T	Hexachloro-1,3...		0.555	0.547	0.556	0.358	0.367	0.476	21.87
79)	T	Naphthalene	0.458	0.741	0.865	1.068	0.759	0.789	0.780	25.38
80)	T	Naphthalene,2-...		0.221	0.244	0.262	0.219	0.247	0.239	7.65
81)	T	1,2,4-Trichlor...		0.451	0.519	0.555	0.390	0.401	0.463	15.63

(#) = Out of Range