

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\

Method File : VL100421AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021

Last Update : Mon Oct 04 17:43:54 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL037763.D 0.1 =VL037762.D 0.5 =VL037761.D 1 =VL037760.D 2 =VL037759.D 10 =VL037758.D 15 =VL037764.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.199	2.090	1.316	1.216	1.165	1.597	31.56
3) Chlorodifluoro...			2.074	2.066	2.010	1.743	1.715	1.921	9.25
4) Chloromethane			0.754	0.741	0.725	0.646	0.651	0.704	7.26
5) T Vinyl Chloride	0.588	0.589	0.666	0.645	0.713	0.659	0.656	0.645	6.91
6) T Bromomethane			0.360	0.382	0.346	0.322	0.335	0.349	6.69
7) Chloroethane			0.227	0.248	0.255	0.230	0.226	0.237	5.58
8) T Dichlorotetra...			1.806	1.698	1.561	1.420	1.409	1.579	10.97
9) T Propene			0.778	0.755	0.714	0.654	0.633	0.707	8.87
10) T Heptane			1.573	1.623	1.676	1.575	1.581	1.606	2.75
11) T Trichlorofluor...			1.593	1.445	1.425	1.335	1.328	1.425	7.54
12) T 1,1,2-Trichlor...			1.177	1.111	1.132	0.982	0.998	1.080	7.95
13) Ethanol			0.061	0.066	0.061	0.047	0.056	0.058	12.25
14) T Bromoethene			0.505	0.495	0.482	0.435	0.456	0.475	6.09
15) T Acetone			1.035	0.982	0.936	0.751	0.784	0.898	13.84
16) T 1,3-Butadiene			0.684	0.617	0.690	0.636	0.639	0.653	4.86
17) tert-Butyl alc...			1.005	0.877	0.977	0.956	0.808	0.925	8.74
18) T 1,1-Dichloroet...			0.500	0.516	0.507	0.471	0.459	0.491	4.96
19) T Isopropyl Alcohol			0.550	0.566	0.612	0.568	0.497	0.558	7.43
20) T Methylene Chlo...			0.473	0.509	0.505	0.386	0.395	0.454	13.04
21) T Allyl Chloride			0.802	0.846	0.831	0.756	0.741	0.795	5.77
22) T trans-1,2-Dich...			0.529	0.511	0.462	0.481	0.484	0.493	5.32
23) T Vinyl Acetate			1.475	1.316	1.484	1.251	1.200	1.345	9.62
24) T 1,1-Dichloroet...			0.962	1.015	1.051	0.921	0.947	0.979	5.38
25) T Ethyl Acetate			2.576	2.518	2.643	2.439	2.419	2.519	3.72
26) T Hexane			1.294	1.298	1.300	1.166	1.145	1.240	6.28
27) T Carbon Disulfide			1.013	1.022	1.142	1.142	1.178	1.099	6.95
28) T Methyl tert-Bu...			1.131	0.986	1.116	0.959	0.971	1.033	8.12
29) T Chloroform			1.922	1.865	1.823	1.619	1.637	1.773	7.75
30) T Cyclohexane			1.086	1.096	1.132	0.977	0.968	1.052	7.08
31) T cis-1,2-Dichlo...			1.096	1.153	1.198	1.078	1.106	1.126	4.33
32) T 1,1,1-Trichlor...	1.677	1.789	1.692	1.683	1.760	1.579	1.587	1.681	4.68

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.415	0.417	0.433	0.378	0.375	0.404	6.42
35) T Carbon Tetrach...	0.630	0.539	0.539	0.575	0.582	0.556	0.554	0.568	5.64
36) T Benzene			0.857	0.885	0.888	0.833	0.808	0.854	4.00
37) T 1,2-Dichloroet...			0.403	0.403	0.417	0.396	0.392	0.402	2.44
38) T Trichloroethene	0.333	0.344	0.347	0.349	0.350	0.320	0.319	0.337	4.05
39) T 1,2-Dichloropr...			0.319	0.333	0.324	0.318	0.311	0.321	2.48

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\											
Method File : VL100421AIR.M											
40)	T	1,4-Dioxane			0.078	0.086	0.094	0.072	0.072	0.080	11.65
41)	T	Tetrahydrofuran			0.174	0.200	0.218	0.200	0.197	0.198	8.04
42)	T	Bromodichlorom...			0.571	0.586	0.619	0.592	0.585	0.591	3.01
43)		Methyl Methacr...			0.253	0.251	0.295	0.296	0.299	0.279	8.77
44)	T	2,2,4-Trimethy...			1.456	1.501	1.534	1.373	1.311	1.435	6.40
45)	T	t-1,3-Dichloro...			0.154	0.166	0.189	0.218	0.233	0.192	17.54
46)	T	cis-1,3-Dichlo...			0.216	0.241	0.271	0.301	0.302	0.266	14.18
47)	T	1,1,2-Trichlor...			0.365	0.363	0.353	0.337	0.329	0.349	4.56
48)	T	Dibromochlorom...			0.437	0.477	0.527	0.526	0.523	0.498	8.10
49)	T	Bromoform			0.289	0.357	0.402	0.432	0.426	0.381	15.62
50)	T	4-Methyl-2-Pen...			0.470	0.519	0.545	0.545	0.549	0.526	6.35
51)	T	2-Hexanone			0.195	0.218	0.234	0.262	0.265	0.235	12.57
52)	T	Tetrachloroethene	0.411	0.326	0.321	0.334	0.340	0.299	0.296	0.332	11.57
53)	T	Toluene			0.893	0.943	1.004	0.953	0.940	0.947	4.15
54)	T	1,2-Dibromoethane			0.456	0.479	0.491	0.467	0.465	0.472	2.88
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.428	0.432	0.426	0.407	0.377	0.414	5.45
57)	T	Chlorobenzene			0.867	0.880	0.848	0.789	0.717	0.820	8.24
58)	T	Ethyl Benzene			1.233	1.409	1.433	1.379	1.261	1.343	6.71
59)	T	m/p-Xylene			1.112	1.226	1.233	1.150	1.041	1.153	6.99
60)	T	o-Xylene			1.121	1.189	1.158	1.072	0.983	1.105	7.34
61)	T	Styrene			0.436	0.502	0.556	0.607	0.572	0.534	12.50
62)		Isopropylbenzene			1.580	1.613	1.634	1.511	1.367	1.541	7.00
63)	T	1,1,2,2-Tetrac...	1.112	0.818	0.879	0.837	0.848	0.773	0.700	0.852	15.09
64)		n-propylbenzene			0.353	0.398	0.407	0.391	0.372	0.384	5.63
65)		tert-Butylbenzene			1.406	1.434	1.470	1.301	1.169	1.356	8.99
66)	T	Benzyl Chloride			0.076	0.054	0.059	0.073	0.073	0.067	14.64
67)		sec-Butylbenzene			1.816	1.991	2.013	1.816	1.636	1.854	8.30
68)	S	1-Bromo-4-Fluo...	0.695	0.675	0.710	0.702	0.669	0.745	0.699	0.699	3.59
69)		p-Isopropyltol...			1.466	1.531	1.649	1.494	1.357	1.499	7.08
70)		n-Butylbenzene			1.337	1.445	1.567	1.450	1.323	1.424	6.96
71)		2-Chlorotoluene			1.057	1.158	1.134	1.091	1.001	1.088	5.75
72)	T	4-Ethyltoluene			1.179	1.248	1.342	1.295	1.207	1.254	5.24
73)	T	1,3,5-Trimethy...			1.156	1.129	1.199	1.146	1.067	1.139	4.21
74)	T	1,2,4-Trimethy...			1.176	1.242	1.309	1.185	1.070	1.196	7.41
75)	T	1,3-Dichlorobe...			0.770	0.797	0.756	0.715	0.669	0.741	6.77
76)	T	1,4-Dichlorobe...			0.733	0.746	0.714	0.701	0.641	0.707	5.78
77)	T	1,2-Dichlorobe...			0.770	0.725	0.739	0.687	0.638	0.712	7.14
78)	T	Hexachloro-1,3...			0.683	0.629	0.661	0.492	0.443	0.581	18.41
79)	T	Naphthalene			0.556	0.657	0.874	0.812	0.765	0.733	17.31
80)	T	Naphthalene,2-...			0.136	0.114	0.320	0.212	0.201	0.197	40.97
81)	T	1,2,4-Trichlor...			0.419	0.454	0.526	0.483	0.461	0.469	8.43

(#) = Out of Range