

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

Method File : VL032521AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

Last Update : Thu Mar 25 09:42:40 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL036475.D 0.1 =VL036474.D 0.5 =VL036473.D 1 =VL036472.D 2 =VL036471.D 10 =VL036470.D 15 =VL036476.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			1.911	1.796	1.669	1.526	1.254	1.631	15.64
3) Chlorodifluoro...			1.965	1.994	1.995	1.684	1.704	1.868	8.55
4) Chloromethane			0.673	0.678	0.704	0.617	0.628	0.660	5.48
5) T Vinyl Chloride	0.787	0.785	0.586	0.636	0.689	0.629	0.638	0.679	11.67
6) T Bromomethane			0.377	0.374	0.392	0.352	0.374	0.374	3.83
7) Chloroethane			0.237	0.250	0.240	0.210	0.229	0.233	6.42
8) T Dichlorotetra...			1.577	1.689	1.720	1.439	1.358	1.557	10.06
9) T Propene			0.587	0.590	0.642	0.572	0.586	0.596	4.54
10) T Heptane			1.361	1.551	1.702	1.477	1.496	1.517	8.20
11) T Trichlorofluor...			1.684	1.742	1.810	1.528	1.546	1.662	7.37
12) T 1,1,2-Trichlor...			1.068	1.117	1.118	1.008	1.002	1.063	5.30
13) Ethanol			0.078	0.066	0.075	0.070	0.065	0.071	8.00
14) T Bromoethene			0.413	0.464	0.481	0.429	0.422	0.442	6.65
15) T Acetone			1.092	0.979	1.106	0.858	0.886	0.984	11.58
16) T 1,3-Butadiene			0.681	0.707	0.720	0.654	0.664	0.685	4.03
17) tert-Butyl alc...			0.951	0.971	0.824	0.824	0.713	0.857	12.35
18) T 1,1-Dichloroet...			0.495	0.500	0.473	0.449	0.447	0.473	5.30
19) T Isopropyl Alcohol			0.606	0.609	0.526	0.515	0.451	0.541	12.30
20) T Methylene Chlo...			0.530	0.490	0.489	0.398	0.397	0.461	13.09
21) T Allyl Chloride			0.782	0.760	0.828	0.774	0.779	0.785	3.29
22) T trans-1,2-Dich...			0.455	0.426	0.443	0.430	0.438	0.438	2.56
23) T Vinyl Acetate			1.427	1.746	1.919	1.668	1.658	1.684	10.55
24) T 1,1-Dichloroet...			1.242	1.264	1.284	1.175	1.171	1.227	4.21
25) T Ethyl Acetate			2.287	2.501	2.506	2.211	2.195	2.340	6.54
26) T Hexane			1.027	1.137	1.197	1.040	1.028	1.086	7.10
27) T Carbon Disulfide			0.979	0.935	1.184	1.092	1.158	1.070	10.23
28) T Methyl tert-Bu...			1.265	1.318	1.338	1.270	1.212	1.281	3.86
29) T Chloroform			1.816	1.775	1.852	1.611	1.629	1.737	6.34
30) T Cyclohexane			0.800	0.902	0.939	0.878	0.884	0.881	5.78
31) T cis-1,2-Dichlo...			0.935	1.045	1.159	1.052	1.060	1.050	7.53
32) T 1,1,1-Trichlor...	2.392	1.443	1.627	1.729	1.795	1.638	1.627	1.750	17.32
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.565	0.432	0.509	0.463	0.472	0.488	10.44
35) T Carbon Tetrach...	0.917	0.772	0.731	0.780	0.796	0.681	0.699	0.768	10.18
36) T Benzene			0.871	0.999	1.008	0.868	0.866	0.922	8.02
37) T 1,2-Dichloroet...			0.524	0.595	0.569	0.508	0.518	0.543	6.88
38) T Trichloroethene	0.464	0.354	0.335	0.363	0.377	0.310	0.309	0.359	14.82
39) T 1,2-Dichloropr...			0.332	0.431	0.408	0.349	0.351	0.374	11.42

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40)	T	1,4-Dioxane	0.091	0.108	0.088	0.078	0.070	0.087	16.52
41)	T	Tetrahydrofuran	0.194	0.232	0.241	0.230	0.228	0.225	8.04
42)	T	Bromodichlorom...	0.687	0.790	0.799	0.709	0.707	0.738	7.04
43)		Methyl Methacr...	0.247	0.316	0.334	0.322	0.329	0.310	11.46
44)	T	2,2,4-Trimethy...	1.603	1.826	1.836	1.449	1.402	1.623	12.56
45)	T	t-1,3-Dichloro...	0.263	0.342	0.374	0.385	0.405	0.354	15.73
46)	T	cis-1,3-Dichlo...	0.371	0.437	0.486	0.475	0.491	0.452	11.01
47)	T	1,1,2-Trichlor...	0.380	0.397	0.416	0.348	0.353	0.379	7.61
48)	T	Dibromochlorom...	0.489	0.593	0.630	0.582	0.594	0.578	9.09
49)	T	Bromoform	0.398	0.458	0.505	0.478	0.489	0.465	8.92
50)	T	4-Methyl-2-Pen...	0.635	0.696	0.778	0.706	0.716	0.706	7.25
51)	T	2-Hexanone	0.265	0.312	0.394	0.393	0.417	0.356	18.21
52)	T	Tetrachloroethene	0.394	0.355	0.351	0.299	0.296	0.340	10.28
53)	T	Toluene	0.825	1.042	1.100	0.975	0.969	0.982	10.48
54)	T	1,2-Dibromoethane	0.491	0.578	0.579	0.506	0.521	0.535	7.65

55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.467	0.478	0.483	0.432	0.402	0.452	7.64
57)	T	Chlorobenzene			0.901	0.941	0.910	0.777	0.724	0.851	11.09
58)	T	Ethyl Benzene			1.334	1.564	1.621	1.439	1.316	1.455	9.33
59)	T	m/p-Xylene			1.226	1.393	1.424	1.206	1.095	1.269	10.81
60)	T	o-Xylene			1.211	1.376	1.374	1.139	1.035	1.227	12.13
61)	T	Styrene			0.465	0.589	0.681	0.689	0.662	0.617	15.20
62)		Isopropylbenzene			1.647	1.825	1.830	1.545	1.415	1.652	10.87
63)	T	1,1,2,2-Tetrac...	1.101	0.953	0.971	0.990	0.985	0.801	0.751	0.936	12.82
64)		n-propylbenzene			0.355	0.434	0.449	0.397	0.384	0.404	9.38
65)		tert-Butylbenzene			1.367	1.587	1.661	1.329	1.219	1.433	12.89
66)	T	Benzyl Chloride			0.134	0.143	0.163	0.172	0.179	0.158	12.00
67)		sec-Butylbenzene			2.001	2.279	2.299	1.854	1.680	2.022	13.26
68)	S	1-Bromo-4-Fluo...	0.798	0.790	0.804	0.775	0.768	0.836	0.809	0.797	2.83
69)		p-Isopropyltol...			1.434	1.719	1.811	1.523	1.409	1.579	11.25
70)		n-Butylbenzene			1.494	1.758	1.924	1.570	1.443	1.638	12.20
71)		2-Chlorotoluene			1.152	1.346	1.394	1.191	1.107	1.238	10.12
72)	T	4-Ethyltoluene			1.231	1.441	1.493	1.321	1.237	1.344	8.84
73)	T	1,3,5-Trimethy...			1.228	1.307	1.392	1.210	1.137	1.255	7.80
74)	T	1,2,4-Trimethy...			1.311	1.533	1.509	1.227	1.135	1.343	12.98
75)	T	1,3-Dichlorobe...			0.764	0.845	0.790	0.705	0.675	0.756	8.93
76)	T	1,4-Dichlorobe...			0.748	0.831	0.822	0.689	0.663	0.750	10.13
77)	T	1,2-Dichlorobe...			0.742	0.731	0.770	0.663	0.645	0.710	7.55
78)	T	Hexachloro-1,3...			0.710	0.732	0.719	0.522	0.499	0.636	18.14
79)	T	Naphthalene			0.528	0.684	0.859	0.919	0.927	0.784	22.11
80)	T	Naphthalene,2-...			0.064	0.076	0.077	0.243	0.312	0.155	74.37
81)	T	1,2,4-Trichlor...			0.384	0.490	0.533	0.509	0.503	0.484	12.02

 (#) = Out of Range