

Method Path : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\

Method File : VL011321AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Jan 13 07:53:51 2021

Last Update : Wed Jan 13 07:53:51 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL036215.D 0.1 =VL036214.D 0.5 =VL036213.D

1 =VL036212.D 2 =VL036211.D 10 =VL036210.D

	Compound	0.03	0.1	0.5	1	2	10	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----							
2) T	Dichlorodifluorom			1.806	1.529	1.274	1.135	1.357	22.94
3)	Chlorodifluoromet			1.398	1.307	1.274	1.118	1.241	10.15
4)	Chloromethane			0.702	0.626	0.638	0.553	0.613	10.54
5) T	Vinyl Chloride	0.674	0.504	0.577	0.580	0.603	0.530	0.572	9.83
6) T	Bromomethane			0.317	0.290	0.325	0.281	0.301	6.30
7)	Chloroethane			0.199	0.202	0.199	0.176	0.193	5.71
8) T	Dichlorotetrafluor			1.462	1.324	1.223	1.162	1.253	11.49
9) T	Propene			0.713	0.615	0.612	0.497	0.591	14.63
10) T	Heptane			1.575	1.516	1.618	1.320	1.466	10.01
11) T	Trichlorofluorome			1.455	1.353	1.442	1.210	1.329	9.51
12) T	1,1,2-Trichlorotr			0.897	0.906	0.879	0.746	0.834	9.86
13)	Ethanol			0.177	0.145	0.153	0.072	0.124	38.82
14) T	Bromoethene			0.363	0.358	0.378	0.324	0.353	5.99
15) T	Acetone			1.376	1.274	1.337	0.946	1.188	16.70
16) T	1,3-Butadiene			0.593	0.551	0.600	0.539	0.566	5.03
17)	tert-Butyl alcoho			1.145	1.084	1.048	0.886	0.973	18.46
18) T	1,1-Dichloroethen			0.387	0.354	0.376	0.335	0.360	6.02
19) T	Isopropyl Alcohol			0.678	0.834	0.764	0.637	0.686	17.56
20) T	Methylene Chlorid			0.468	0.383	0.384	0.281	0.364	20.46
21) T	Allyl Chloride			0.666	0.636	0.687	0.639	0.648	4.47
22) T	trans-1,2-Dichlor			0.325	0.330	0.362	0.323	0.335	4.68
23) T	Vinyl Acetate			1.409	1.489	1.743	1.430	1.497	9.44
24) T	1,1-Dichloroethan			1.130	1.111	1.138	0.964	1.063	8.22
25) T	Ethyl Acetate			2.644	2.476	2.647	2.167	2.418	10.08
26) T	Hexane			1.165	1.037	1.124	0.871	1.011	13.93
27) T	Carbon Disulfide			0.715	0.748	0.874	0.848	0.813	9.37
28) T	Methyl tert-Butyl			1.464	1.423	1.502	1.200	1.366	10.02
29) T	Chloroform			1.622	1.527	1.586	1.336	1.480	9.33
30) T	Cyclohexane			0.839	0.794	0.845	0.747	0.790	6.83
31) T	cis-1,2-Dichloroe			1.021	0.963	1.036	0.927	0.975	5.22
32) T	1,1,1-Trichloroet	1.545	1.424	1.472	1.451	1.450	1.322	1.427	5.59
33) I	1,4-Difluorobenzene	-----ISTD-----							
34) T	2-Butanone			0.601	0.628	0.699	0.634	0.637	5.77
35) T	Carbon Tetrachlor	0.665	0.630	0.628	0.657	0.667	0.591	0.632	5.35
36) T	Benzene			0.966	0.997	0.994	0.822	0.916	10.48
37) T	1,2-Dichloroethan			0.589	0.581	0.580	0.502	0.551	7.94
38) T	Trichloroethene	0.504	0.388	0.337	0.318	0.330	0.263	0.343	24.58
39) T	1,2-Dichloropropa			0.405	0.391	0.391	0.340	0.372	8.91
40) T	1,4-Dioxane			0.169	0.166	0.142	0.103	0.135	26.05
41) T	Tetrahydrofuran			0.388	0.325	0.409	0.366	0.375	8.49
42) T	Bromodichlorometh			0.660	0.727	0.771	0.659	0.693	7.72
43)	Methyl Methacryla			0.349	0.402	0.426	0.369	0.383	8.01
44) T	2,2,4-Trimethylpe			1.877	1.909	1.845	1.437	1.683	15.94
45) T	t-1,3-Dichloropro			0.286	0.339	0.410	0.398	0.370	15.13
46) T	cis-1,3-Dichlorop			0.436	0.467	0.503	0.486	0.475	5.37
47) T	1,1,2-Trichloroet			0.386	0.370	0.394	0.321	0.356	10.91
48) T	Dibromochlorometh			0.480	0.519	0.577	0.516	0.521	6.73
49) T	Bromoform			0.365	0.431	0.471	0.431	0.425	8.93
50) T	4-Methyl-2-Pentan			1.006	1.160	1.211	1.000	1.068	10.26
51) T	2-Hexanone			0.682	0.880	0.949	0.827	0.833	11.77
52) T	Tetrachloroethene	0.518	0.362	0.324	0.338	0.306	0.261	0.338	26.29

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	Compound	0.03	0.1	0.5	1	2	10	Avg	%RSD
53) T	Toluene			1.040	1.098	1.125	0.925	1.014	10.41
54) T	1,2-Dibromoethane			0.540	0.548	0.568	0.483	0.522	8.17
55) I	Chlorobenzene-d5	-----ISTD-----							
56)	1,1,1,2-Tetrachlo			0.498	0.462	0.483	0.410	0.446	11.35
57) T	Chlorobenzene			0.906	0.867	0.839	0.682	0.785	15.45
58) T	Ethyl Benzene			1.638	1.587	1.638	1.335	1.484	13.00
59) T	m/p-Xylene			1.422	1.444	1.393	1.113	1.275	15.89
60) T	o-Xylene			1.441	1.392	1.333	1.043	1.229	18.33
61) T	Styrene			0.768	0.825	0.833	0.752	0.776	7.00
62)	Isopropylbenzene			2.066	2.085	2.005	1.571	1.827	17.19
63) T	1,1,2,2-Tetrachlo	1.130	0.952	0.999	0.979	0.950	0.731	0.915	17.63
64)	n-propylbenzene			0.493	0.490	0.488	0.402	0.449	12.88
65)	tert-Butylbenzene			1.682	1.780	1.782	1.313	1.548	18.06
66) T	Benzyl Chloride			0.328	0.315	0.397	0.478	0.396	18.79
67)	sec-Butylbenzene			2.674	2.605	2.594	1.921	2.299	19.75
68) S	1-Bromo-4-Fluorob	0.813	0.831	0.843	0.823	0.805	0.861	0.828	2.30
69)	p-Isopropyltoluen			1.974	1.982	2.081	1.563	1.801	16.48
70)	n-Butylbenzene			2.146	2.151	2.225	1.684	1.942	16.71
71)	2-Chlorotoluene			1.616	1.604	1.565	1.259	1.436	15.50
72) T	4-Ethyltoluene			1.482	1.562	1.533	1.225	1.387	14.02
73) T	1,3,5-Trimethylbe			1.484	1.457	1.439	1.169	1.322	14.62
74) T	1,2,4-Trimethylbe			1.537	1.517	1.532	1.159	1.356	17.74
75) T	1,3-Dichlorobenze			0.769	0.782	0.797	0.616	0.709	14.35
76) T	1,4-Dichlorobenze			0.722	0.715	0.753	0.620	0.679	10.55
77) T	1,2-Dichlorobenze			0.756	0.774	0.757	0.617	0.697	13.06
78) T	Hexachloro-1,3-Bu			0.649	0.629	0.615	0.455	0.555	18.82
79) T	Naphthalene			0.572	0.725	0.862	0.870	0.776	16.56
80) T	Naphthalene,2-met			0.054	0.109	0.153	0.232	0.159	51.51
81) T	1,2,4-Trichlorobe			0.363	0.430	0.492	0.449	0.436	10.77

(#) = Out of Range ### Number of calibration levels exceeded format ###