

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

Method File : VL120720AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020

Last Update : Mon Dec 07 16:56:49 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL036069.D 0.1 =VL036068.D 0.5 =VL036067.D

1 =VL036066.D 2 =VL036065.D 10 =VL036064.D

	Compound	0.03	0.1	0.5	1	2	10	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----							
2) T	Dichlorodifluorom			1.455	1.314	1.044	1.092	1.165	18.47
3)	Chlorodifluoromet			1.169	1.212	1.119	1.102	1.141	4.22
4)	Chloromethane			0.602	0.562	0.555	0.539	0.560	4.42
5) T	Vinyl Chloride	0.964	0.657	0.522	0.550	0.549	0.549	0.623	25.06
6) T	Bromomethane			0.337	0.351	0.312	0.300	0.322	6.66
7)	Chloroethane			0.244	0.204	0.217	0.192	0.212	9.26
8) T	Dichlorotetrafluo			1.427	1.333	1.282	1.254	1.295	7.08
9) T	Propene			0.645	0.599	0.558	0.517	0.572	8.88
10) T	Heptane			1.604	1.537	1.401	1.379	1.460	7.15
11) T	Trichlorofluorome			1.407	1.444	1.344	1.329	1.370	3.86
12) T	1,1,2-Trichlorotr			0.987	0.931	0.933	0.905	0.931	3.77
13)	Ethanol			0.094	0.063	0.085	0.073	0.079	14.59
14) T	Bromoethene			0.393	0.369	0.386	0.370	0.382	3.05
15) T	Acetone			1.391	1.256	1.259	1.038	1.202	12.29
16) T	1,3-Butadiene			0.660	0.656	0.549	0.579	0.605	8.19
17)	tert-Butyl alcoho			1.362	1.313	1.039	1.136	1.164	14.57
18) T	1,1-Dichloroethen			0.443	0.404	0.415	0.404	0.413	4.21
19) T	Isopropyl Alcohol			0.867	0.818	0.678	0.694	0.735	14.18
20) T	Methylene Chlorid			0.633	0.591	0.504	0.372	0.492	25.11
21) T	Allyl Chloride			0.878	0.835	0.742	0.798	0.799	7.42
22) T	trans-1,2-Dichlor			0.416	0.424	0.428	0.405	0.414	3.39
23) T	Vinyl Acetate			1.734	1.503	1.633	1.563	1.600	5.47
24) T	1,1-Dichloroethan			1.194	1.189	1.105	1.057	1.125	5.56
25) T	Ethyl Acetate			2.564	2.466	2.393	2.330	2.401	5.01
26) T	Hexane			1.214	1.164	1.136	0.947	1.081	11.79
27) T	Carbon Disulfide			1.032	1.052	1.087	1.098	1.074	2.81
28) T	Methyl tert-Butyl			1.648	1.539	1.548	1.478	1.536	4.68
29) T	Chloroform			1.502	1.442	1.405	1.375	1.419	3.83
30) T	Cyclohexane			0.869	0.834	0.781	0.740	0.794	7.08
31) T	cis-1,2-Dichloroe			1.080	0.965	0.929	0.961	0.982	5.83
32) T	1,1,1-Trichloroet	1.605	1.500	1.407	1.510	1.449	1.380	1.464	5.43
33) I	1,4-Difluorobenzene	-----ISTD-----							
34) T	2-Butanone			0.741	0.707	0.672	0.593	0.663	9.67
35) T	Carbon Tetrachlor	0.600	0.555	0.565	0.605	0.587	0.589	0.583	3.10
36) T	Benzene			0.911	0.900	0.826	0.803	0.847	6.35
37) T	1,2-Dichloroethan			0.489	0.513	0.487	0.477	0.491	2.69
38) T	Trichloroethene	0.374	0.365	0.320	0.309	0.307	0.280	0.317	12.94
39) T	1,2-Dichloropropa			0.343	0.340	0.337	0.328	0.335	2.17
40) T	1,4-Dioxane			0.127	0.110	0.100	0.098	0.105	13.38
41) T	Tetrahydrofuran			0.429	0.398	0.396	0.367	0.394	5.90
42) T	Bromodichlorometh			0.668	0.645	0.657	0.654	0.654	1.39
43)	Methyl Methacryla			0.362	0.378	0.360	0.360	0.364	2.24
44) T	2,2,4-Trimethylpe			1.660	1.620	1.577	1.432	1.535	7.84
45) T	t-1,3-Dichloropro			0.335	0.349	0.382	0.398	0.374	8.05
46) T	cis-1,3-Dichlorop			0.454	0.469	0.478	0.470	0.468	1.87
47) T	1,1,2-Trichloroet			0.337	0.338	0.320	0.305	0.322	4.70
48) T	Dibromochlorometh			0.461	0.465	0.485	0.513	0.486	4.81
49) T	Bromoform			0.332	0.347	0.400	0.420	0.383	10.58
50) T	4-Methyl-2-Pentan			1.076	0.987	0.988	0.953	0.989	5.32
51) T	2-Hexanone			0.793	0.778	0.792	0.736	0.773	3.04
52) T	Tetrachloroethene	0.433	0.314	0.302	0.296	0.273	0.266	0.307	19.24

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	Compound	0.03	0.1	0.5	1	2	10	Avg	%RSD
53) T	Toluene			0.992	0.986	0.967	0.908	0.952	4.41
54) T	1,2-Dibromoethane			0.536	0.477	0.477	0.460	0.483	6.35
55) I	Chlorobenzene-d5	-----ISTD-----							
56)	1,1,1,2-Tetrachlo			0.442	0.429	0.414	0.412	0.415	5.93
57) T	Chlorobenzene			0.764	0.765	0.708	0.667	0.702	9.64
58) T	Ethyl Benzene			1.486	1.484	1.401	1.290	1.370	9.36
59) T	m/p-Xylene			1.250	1.266	1.186	1.085	1.154	10.32
60) T	o-Xylene			1.237	1.168	1.107	1.007	1.088	11.68
61) T	Styrene			0.726	0.728	0.701	0.691	0.698	4.81
62)	Isopropylbenzene			1.829	1.750	1.648	1.488	1.612	12.16
63) T	1,1,2,2-Tetrachlo	0.866	0.804	0.758	0.746	0.701	0.654	0.732	12.35
64)	n-propylbenzene			0.434	0.400	0.394	0.370	0.388	8.92
65)	tert-Butylbenzene			1.421	1.451	1.410	1.214	1.319	11.66
66) T	Benzyl Chloride			0.275	0.283	0.321	0.402	0.329	16.25
67)	sec-Butylbenzene			2.033	2.020	1.961	1.691	1.847	12.22
68) S	1-Bromo-4-Fluorob	0.812	0.819	0.785	0.805	0.761	0.803	0.794	2.71
69)	p-Isopropyltoluen			1.630	1.573	1.522	1.372	1.469	10.69
70)	n-Butylbenzene			1.493	1.604	1.533	1.364	1.452	9.37
71)	2-Chlorotoluene			1.356	1.299	1.272	1.132	1.219	10.85
72) T	4-Ethyltoluene			1.259	1.268	1.207	1.112	1.178	8.25
73) T	1,3,5-Trimethylbe			1.223	1.206	1.187	1.049	1.125	10.20
74) T	1,2,4-Trimethylbe			1.210	1.261	1.186	1.043	1.129	11.49
75) T	1,3-Dichlorobenze			0.603	0.594	0.598	0.535	0.565	8.35
76) T	1,4-Dichlorobenze			0.627	0.613	0.605	0.537	0.576	9.75
77) T	1,2-Dichlorobenze			0.597	0.585	0.547	0.498	0.540	10.04
78) T	Hexachloro-1,3-Bu			0.478	0.467	0.453	0.392	0.433	10.89
79) T	Naphthalene			0.514	0.475	0.588	0.656	0.574	13.60
80) T	Naphthalene,2-met			0.021	0.038	0.049	0.269	0.128	98.85
81) T	1,2,4-Trichlorobe			0.361	0.376	0.395	0.407	0.384	4.65

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