

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 15 =VL036070.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			1.455	1.314	1.044	1.092	0.922	1.165	18.47
3) Chlorodifluoro...			1.169	1.212	1.119	1.102	1.102	1.141	4.22
4) Chloromethane			0.602	0.562	0.555	0.539	0.544	0.560	4.42
5) T Vinyl Chloride	0.964	0.657	0.522	0.550	0.549	0.549	0.571	0.623	25.06
6) T Bromomethane			0.337	0.351	0.312	0.300	0.308	0.322	6.66
7) Chloroethane			0.244	0.204	0.217	0.192	0.204	0.212	9.26
8) T Dichlorotetra...			1.427	1.333	1.282	1.254	1.181	1.295	7.08
9) T Propene			0.645	0.599	0.558	0.517	0.540	0.572	8.88
10) T Heptane			1.604	1.537	1.401	1.379	1.377	1.460	7.15
11) T Trichlorofluor...			1.407	1.444	1.344	1.329	1.326	1.370	3.86
12) T 1,1,2-Trichlor...			0.987	0.931	0.933	0.905	0.897	0.931	3.77
13) Ethanol			0.094	0.063	0.085	0.073	0.079	0.079	14.59
14) T Bromoethene			0.393	0.369	0.386	0.370	0.392	0.382	3.05
15) T Acetone			1.391	1.256	1.259	1.038	1.065	1.202	12.29
16) T 1,3-Butadiene			0.660	0.656	0.549	0.579	0.584	0.605	8.19
17) tert-Butyl alc...			1.362	1.313	1.039	1.136	0.971	1.164	14.57
18) T 1,1-Dichloroet...			0.443	0.404	0.415	0.404	0.400	0.413	4.21
19) T Isopropyl Alcohol			0.867	0.818	0.678	0.694	0.615	0.735	14.18
20) T Methylene Chlo...			0.633	0.591	0.504	0.372	0.362	0.492	25.11
21) T Allyl Chloride			0.878	0.835	0.742	0.798	0.742	0.799	7.42
22) T trans-1,2-Dich...			0.416	0.424	0.428	0.405	0.394	0.414	3.39
23) T Vinyl Acetate			1.734	1.503	1.633	1.563	1.568	1.600	5.47
24) T 1,1-Dichloroet...			1.194	1.189	1.105	1.057	1.082	1.125	5.56
25) T Ethyl Acetate			2.564	2.466	2.393	2.330	2.252	2.401	5.01
26) T Hexane			1.214	1.164	1.136	0.947	0.942	1.081	11.79
27) T Carbon Disulfide			1.032	1.052	1.087	1.098	1.100	1.074	2.81
28) T Methyl tert-Bu...			1.648	1.539	1.548	1.478	1.468	1.536	4.68
29) T Chloroform			1.502	1.442	1.405	1.375	1.371	1.419	3.83
30) T Cyclohexane			0.869	0.834	0.781	0.740	0.745	0.794	7.08
31) T cis-1,2-Dichlo...			1.080	0.965	0.929	0.961	0.976	0.982	5.83
32) T 1,1,1-Trichlor...	1.605	1.500	1.407	1.510	1.449	1.380	1.399	1.464	5.43
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.741	0.707	0.672	0.593	0.604	0.663	9.67
35) T Carbon Tetrach...	0.600	0.555	0.565	0.605	0.587	0.589	0.581	0.583	3.10
36) T Benzene			0.911	0.900	0.826	0.803	0.798	0.847	6.35
37) T 1,2-Dichloroet...			0.489	0.513	0.487	0.477	0.490	0.491	2.69
38) T Trichloroethene	0.374	0.365	0.320	0.309	0.307	0.280	0.262	0.317	12.94
39) T 1,2-Dichloropr...			0.343	0.340	0.337	0.328	0.326	0.335	2.17

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40)	T	1,4-Dioxane	0.127	0.110	0.100	0.098	0.091	0.105	13.38
41)	T	Tetrahydrofuran	0.429	0.398	0.396	0.367	0.380	0.394	5.90
42)	T	Bromodichlorom...	0.668	0.645	0.657	0.654	0.648	0.654	1.39
43)		Methyl Methacr...	0.362	0.378	0.360	0.360	0.359	0.364	2.24
44)	T	2,2,4-Trimethy...	1.660	1.620	1.577	1.432	1.384	1.535	7.84
45)	T	t-1,3-Dichloro...	0.335	0.349	0.382	0.398	0.403	0.374	8.05
46)	T	cis-1,3-Dichlo...	0.454	0.469	0.478	0.470	0.470	0.468	1.87
47)	T	1,1,2-Trichlor...	0.337	0.338	0.320	0.305	0.310	0.322	4.70
48)	T	Dibromochlorom...	0.461	0.465	0.485	0.513	0.506	0.486	4.81
49)	T	Bromoform	0.332	0.347	0.400	0.420	0.414	0.383	10.58
50)	T	4-Methyl-2-Pen...	1.076	0.987	0.988	0.953	0.943	0.989	5.32
51)	T	2-Hexanone	0.793	0.778	0.792	0.736	0.767	0.773	3.04
52)	T	Tetrachloroethene	0.433	0.314	0.302	0.296	0.273	0.266	19.24
53)	T	Toluene	0.992	0.986	0.967	0.908	0.905	0.952	4.41
54)	T	1,2-Dibromoethane	0.536	0.477	0.477	0.460	0.464	0.483	6.35

55)	I	Chlorobenzene-d5	-----ISTD-----						
56)		1,1,1,2-Tetrac...	0.442	0.429	0.414	0.412	0.377	0.415	5.93
57)	T	Chlorobenzene	0.764	0.765	0.708	0.667	0.606	0.702	9.64
58)	T	Ethyl Benzene	1.486	1.484	1.401	1.290	1.191	1.370	9.36
59)	T	m/p-Xylene	1.250	1.266	1.186	1.085	0.983	1.154	10.32
60)	T	o-Xylene	1.237	1.168	1.107	1.007	0.918	1.088	11.68
61)	T	Styrene	0.726	0.728	0.701	0.691	0.645	0.698	4.81
62)		Isopropylbenzene	1.829	1.750	1.648	1.488	1.345	1.612	12.16
63)	T	1,1,2,2-Tetrac...	0.866	0.804	0.758	0.746	0.701	0.654	12.35
64)		n-propylbenzene	0.434	0.400	0.394	0.370	0.341	0.388	8.92
65)		tert-Butylbenzene	1.421	1.451	1.410	1.214	1.101	1.319	11.66
66)	T	Benzyl Chloride	0.275	0.283	0.321	0.402	0.361	0.329	16.25
67)		sec-Butylbenzene	2.033	2.020	1.961	1.691	1.528	1.847	12.22
68)	S	1-Bromo-4-Fluo...	0.812	0.819	0.785	0.805	0.761	0.803	2.71
69)		p-Isopropyltol...	1.630	1.573	1.522	1.372	1.246	1.469	10.69
70)		n-Butylbenzene	1.493	1.604	1.533	1.364	1.265	1.452	9.37
71)		2-Chlorotoluene	1.356	1.299	1.272	1.132	1.034	1.219	10.85
72)	T	4-Ethyltoluene	1.259	1.268	1.207	1.112	1.044	1.178	8.25
73)	T	1,3,5-Trimethy...	1.223	1.206	1.187	1.049	0.961	1.125	10.20
74)	T	1,2,4-Trimethy...	1.210	1.261	1.186	1.043	0.948	1.129	11.49
75)	T	1,3-Dichlorobe...	0.603	0.594	0.598	0.535	0.497	0.565	8.35
76)	T	1,4-Dichlorobe...	0.627	0.613	0.605	0.537	0.497	0.576	9.75
77)	T	1,2-Dichlorobe...	0.597	0.585	0.547	0.498	0.472	0.540	10.04
78)	T	Hexachloro-1,3...	0.478	0.467	0.453	0.392	0.373	0.433	10.89
79)	T	Naphthalene	0.514	0.475	0.588	0.656	0.638	0.574	13.60
80)	T	Naphthalene,2-...	0.021	0.038	0.049	0.269	0.265	0.128	98.85
81)	T	1,2,4-Trichlor...	0.361	0.376	0.395	0.407	0.378	0.384	4.65

 (#) = Out of Range