

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056891.D
 Acq On : 23 Jul 2019 21:29
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072419

Quant Time: Jul 24 03:55:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 2019
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	101	0.00
2 M	Dichlorodifluoromethane	1.794	1.849	-3.1	105	0.00
3 M	Chloromethane	2.189	2.264	-3.4	106	0.00
4 M	Vinyl Chloride	2.110	2.116	-0.3	102	0.00
5 M	Bromomethane	1.296	1.440	-11.1	115	0.00
6 M	Chloroethane	1.171	1.161	0.9	101	0.00
7 M	Trichlorofluoromethane	2.570	2.562	0.3	103	0.00
8 T	Diethyl Ether	0.958	0.950	0.8	101	0.00
9	1,1,2-Trichlorotrifluoroeth	1.614	1.606	0.5	103	0.00
10 M	1,1-Dichloroethene	1.602	1.618	-1.0	105	0.00
11	Methyl Iodide	2.369	2.060	13.0	93	0.00
12	Methyl Acetate	1.960	1.759	10.3	98	0.00
13 M	Acrolein	0.222	0.193	13.1	88	0.00
14 M	Acrylonitrile	0.756	0.734	2.9	101	0.00
15 M	Acetone	0.195	0.193	1.0	99	0.00
16 M	Carbon Disulfide	4.319	4.322	-0.1	108	0.00
17	Allyl chloride	2.680	2.561	4.4	102	0.00
18 M	Methylene Chloride	1.864	1.842	1.2	102	0.00
19 M	trans-1,2-Dichloroethene	1.695	1.669	1.5	103	0.00
20 T	Diisopropyl ether	5.442	5.365	1.4	100	0.00
21 M	1,1-Dichloroethane	3.162	3.124	1.2	101	0.00
22 M	cis-1,2-Dichloroethene	1.964	1.934	1.5	101	0.00
23 M	tert-Butyl Alcohol	0.252	0.255	-1.2	94	0.00
24 M	Methyl tert-Butyl Ether	4.842	4.774	1.4	104	0.00
25 M	Chloroform	3.085	3.023	2.0	101	0.00
26	Cyclohexane	2.905	2.926	-0.7	106	0.00
27 s	1,2-Dichloroethane-d4	1.963	1.923	2.0	100	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
29	1,1-Dichloropropene	0.426	0.431	-1.2	106	0.00
30 M	2-Butanone	0.171	0.168	1.8	101	0.00
31	2,2-Dichloropropane	0.395	0.373	5.6	98	0.00
32 M	1,1,1-Trichloroethane	0.468	0.468	0.0	104	0.00
33 M	Carbon Tetrachloride	0.408	0.400	2.0	104	0.00
34 M	Benzene	1.341	1.331	0.7	101	0.00
35	Methacrylonitrile	0.171	0.164	4.1	91	0.00
36 M	1,2-Dichloroethane	0.417	0.416	0.2	102	0.00
37 M	Trichloroethene	0.360	0.359	0.3	104	0.00
38	Methylcyclohexane	0.542	0.540	0.4	107	0.00
39 M	1,2-Dichloropropane	0.358	0.360	-0.6	104	0.00
40	Dibromomethane	0.220	0.215	2.3	101	0.00
41 M	Bromodichloromethane	0.422	0.405	4.0	101	0.00
42 M	Vinyl Acetate	0.762	0.759	0.4	103	0.00
43	Ethyl Acetate	0.351	0.342	2.6	102	0.00
44	Isopropyl Acetate	0.584	0.570	2.4	100	0.00
45 T	1,4-Dioxane	0.006	0.006#	0.0	109	0.00

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Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.292	0.287	1.7	104	0.00
47	n-amyl Acetate	0.468	0.447	4.5	105	0.00
48 M	t-1,3-Dichloropropene	0.439	0.416	5.2	104	0.00
49 T	cis-1,3-Dichloropropene	0.512	0.489	4.5	102	0.00
50 M	1,1,2-Trichloroethane	0.315	0.312	1.0	99	0.00
51	Ethyl methacrylate	0.456	0.448	1.8	103	0.00
52	1,3-Dichloropropane	0.532	0.525	1.3	101	0.00
53 M	Dibromochloromethane	0.328	0.313	4.6	101	0.00
54 M	1,2-Dibromoethane	0.322	0.320	0.6	104	0.00
55 M	2-Chloroethyl vinyl ether	0.198	0.195	1.5	101	0.00
56 M	Bromoform	0.227	0.208	8.4	100	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	0.403	0.407	-1.0	101	0.00
59 M	2-Hexanone	0.274	0.273	0.4	103	0.00
60 S	4-Bromofluorobenzene	0.450	0.441	2.0	103	0.00
61 M	Tetrachloroethene	0.420	0.405	3.6	96	0.00
62 M	Toluene	1.632	1.630	0.1	103	0.00
63 S	Toluene-d8	1.417	1.429	-0.8	101	0.00
64 M	Chlorobenzene	0.983	0.976	0.7	104	0.00
65	1,1,1,2-Tetrachloroethane	0.372	0.363	2.4	100	0.00
66 M	Ethyl Benzene	1.719	1.690	1.7	103	0.00
67 M	m/p-Xylenes	0.641	0.638	0.5	104	0.00
68 M	o-Xylene	0.630	0.618	1.9	102	0.00
69 M	Styrene	1.022	0.998	2.3	103	0.00
70	Isopropylbenzene	1.660	1.657	0.2	103	0.00
71 M	1,1,2,2-Tetrachloroethane	0.465	0.469	-0.9	101	0.00
72	1,2,3-Trichloropropane	0.409	0.373	8.8	95	0.00
73	Bromobenzene	0.428	0.421	1.6	104	0.00
74	n-propylbenzene	1.815	1.757	3.2	104	0.00
75	2-Chlorotoluene	1.100	1.094	0.5	103	0.00
76	1,3,5-Trimethylbenzene	1.397	1.398	-0.1	104	0.00
77	t-1,4-Dichloro-2-butene	0.128	0.112	12.5	99	0.00
78	4-Chlorotoluene	1.046	1.013	3.2	104	0.00
79	tert-butylbenzene	1.206	1.217	-0.9	106	0.00
80	1,2,4-Trimethylbenzene	1.362	1.346	1.2	101	0.00
81	sec-Butylbenzene	1.574	1.537	2.4	103	0.00
82	p-Isopropyltoluene	1.414	1.379	2.5	103	0.00
83 M	1,3-Dichlorobenzene	0.674	0.649	3.7	105	0.00
84 M	1,4-Dichlorobenzene	0.638	0.613	3.9	108	0.00
85	n-Butylbenzene	1.110	1.039	6.4	104	0.00
86 T	Hexachloroethane	0.237	0.225	5.1	103	0.00
87 M	1,2-Dichlorobenzene	0.670	0.667	0.4	105	0.00
88	1,2-Dibromo-3-Chloropropane	0.072	0.065	9.7	96	0.00
89	1,2,4-Trichlorobenzene	0.323	0.283	12.4	118	0.00
90	Hexachlorobutadiene	0.246	0.248	-0.8	105	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.839	0.728	13.2	119	0.00
92	1,2,3-Trichlorobenzene	0.354	0.332	6.2	117	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0