

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057352.D
 Acq On : 16 Aug 2019 13:30
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Quant Time: Aug 16 13:51:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 13:33:03 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	95	0.00
2 M	Dichlorodifluoromethane	1.550	1.609	-3.8	92	0.00
3 M	Chloromethane	1.787	1.854	-3.7	97	0.00
4 M	Vinyl Chloride	1.710	1.803	-5.4	97	0.00
5 M	Bromomethane	1.330	1.560	-17.3	107	0.00
6 M	Chloroethane	1.171	1.183	-1.0	94	0.00
7 M	Trichlorofluoromethane	2.740	2.761	-0.8	93	0.00
8 T	Diethyl Ether	1.008	1.027	-1.9	96	0.00
9	1,1,2-Trichlorotrifluoroeth	1.632	1.664	-2.0	93	0.00
10 M	1,1-Dichloroethene	1.618	1.669	-3.2	97	0.00
11	Methyl Iodide	2.729	2.448	10.3	86	0.00
12	Methyl Acetate	1.819	1.809	0.5	96	0.00
13 M	Acrolein	0.172	0.166	3.5	102	0.00
14 M	Acrylonitrile	0.737	0.745	-1.1	97	0.00
15 M	Acetone	0.217	0.218	-0.5	90	0.00
16 M	Carbon Disulfide	4.423	4.615	-4.3	100	0.00
17	Allyl chloride	2.364	2.284	3.4	93	0.00
18 M	Methylene Chloride	1.852	1.883	-1.7	95	0.00
19 M	trans-1,2-Dichloroethene	1.752	1.771	-1.1	96	0.00
20 T	Diisopropyl ether	4.922	4.996	-1.5	95	0.00
21 M	1,1-Dichloroethane	3.041	3.057	-0.5	94	0.00
22 M	cis-1,2-Dichloroethene	2.031	2.045	-0.7	95	0.00
23 M	tert-Butyl Alcohol	0.263	0.260	1.1	97	0.00
24 M	Methyl tert-Butyl Ether	4.966	4.990	-0.5	95	0.00
25 M	Chloroform	3.179	3.220	-1.3	95	0.00
26	Cyclohexane	2.528	2.567	-1.5	95	0.00
27 s	1,2-Dichloroethane-d4	1.929	1.869	3.1	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.436	0.434	0.5	94	0.00
30 M	2-Butanone	0.172	0.170	1.2	93	0.00
31	2,2-Dichloropropane	0.478	0.473	1.0	92	0.00
32 M	1,1,1-Trichloroethane	0.516	0.510	1.2	92	0.00
33 M	Carbon Tetrachloride	0.459	0.456	0.7	94	0.00
34 M	Benzene	1.324	1.328	-0.3	94	0.00
35	Methacrylonitrile	0.231	0.236	-2.2	115	0.00
36 M	1,2-Dichloroethane	0.430	0.418	2.8	93	0.00
37 M	Trichloroethene	0.385	0.394	-2.3	97	0.00
38	Methylcyclohexane	0.517	0.517	0.0	94	0.00
39 M	1,2-Dichloropropane	0.338	0.336	0.6	93	0.00
40	Dibromomethane	0.225	0.224	0.4	94	0.00
41 M	Bromodichloromethane	0.456	0.452	0.9	94	0.00
42 M	Vinyl Acetate	0.724	0.732	-1.1	95	0.00
43	Ethyl Acetate	0.353	0.337	4.5	91	0.00
44	Isopropyl Acetate	0.622	0.606	2.6	92	-0.45
45 T	1,4-Dioxane	0.006	0.006#	0.0	97	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.279	0.283	-1.4	97	0.00
47	n-amyl Acetate	0.459	0.479	-4.4	107	0.00
48 M	t-1,3-Dichloropropene	0.493	0.483	2.0	94	0.00
49 T	cis-1,3-Dichloropropene	0.549	0.546	0.5	94	0.00
50 M	1,1,2-Trichloroethane	0.329	0.328	0.3	94	0.00
51	Ethyl methacrylate	0.476	0.470	1.3	96	0.00
52	1,3-Dichloropropane	0.537	0.532	0.9	93	0.00
53 M	Dibromochloromethane	0.378	0.373	1.3	94	0.00
54 M	1,2-Dibromoethane	0.346	0.348	-0.6	95	0.00
55 M	2-Chloroethyl vinyl ether	0.111	0.103	7.2	100	0.00
56 M	Bromoform	0.285	0.273	4.2	97	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
58 M	4-Methyl-2-Pentanone	0.391	0.404	-3.3	96	0.00
59 M	2-Hexanone	0.280	0.290	-3.6	96	0.00
60 S	4-Bromofluorobenzene	0.442	0.432	2.3	95	0.00
61 M	Tetrachloroethene	0.440	0.469	-6.6	94	0.00
62 M	Toluene	1.655	1.713	-3.5	95	0.00
63 S	Toluene-d8	1.353	1.374	-1.6	94	0.00
64 M	Chlorobenzene	1.039	1.065	-2.5	96	0.00
65	1,1,1,2-Tetrachloroethane	0.404	0.413	-2.2	93	0.00
66 M	Ethyl Benzene	1.808	1.855	-2.6	95	0.00
67 M	m/p-Xylenes	0.677	0.694	-2.5	95	0.00
68 M	o-Xylene	0.661	0.676	-2.3	95	0.00
69 M	Styrene	1.063	1.072	-0.8	96	0.00
70	Isopropylbenzene	1.773	1.814	-2.3	95	0.00
71 M	1,1,2,2-Tetrachloroethane	0.486	0.505	-3.9	96	0.00
72	1,2,3-Trichloropropane	0.410	0.416	-1.5	95	0.00
73	Bromobenzene	0.470	0.473	-0.6	98	0.00
74	n-propylbenzene	1.842	1.830	0.7	97	0.00
75	2-Chlorotoluene	1.143	1.170	-2.4	96	0.00
76	1,3,5-Trimethylbenzene	1.475	1.510	-2.4	95	0.00
77	t-1,4-Dichloro-2-butene	0.157	0.157	0.0	101	0.00
78	4-Chlorotoluene	1.069	1.076	-0.7	102	0.00
79	tert-butylbenzene	1.314	1.339	-1.9	95	0.00
80	1,2,4-Trimethylbenzene	1.391	1.433	-3.0	98	0.00
81	sec-Butylbenzene	1.620	1.608	0.7	97	0.00
82	p-Isopropyltoluene	1.451	1.416	2.4	98	0.00
83 M	1,3-Dichlorobenzene	0.688	0.735	-6.8	107	0.00
84 M	1,4-Dichlorobenzene	0.643	0.692	-7.6	113	0.00
85	n-Butylbenzene	1.079	1.135	-5.2	102	0.00
86 T	Hexachloroethane	0.279	0.275	1.4	96	0.00
87 M	1,2-Dichlorobenzene	0.650	0.770	-18.5	116	0.00
88	1,2-Dibromo-3-Chloropropane	0.065	0.064	1.5	104	0.00
89	1,2,4-Trichlorobenzene	0.230	0.311	-35.2#	191#	0.00
90	Hexachlorobutadiene	0.294	0.356	-21.1	112	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.497	0.513	-3.2	167#	0.00
92	1,2,3-Trichlorobenzene	0.218	0.295	-35.3#	194#	0.00

(#) = Out of Range

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