

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN091419\
 Data File : VN058018.D
 Acq On : 13 Sep 2019 14:58
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 14 02:11:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 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	113	0.00
2 M	Dichlorodifluoromethane	1.813	1.912	-5.5	121	0.00
3 M	Chloromethane	2.260	2.023	10.5	102	0.00
4 M	Vinyl Chloride	2.312	2.023	12.5	97	0.00
5 M	Bromomethane	1.443	1.175	18.6	88	0.00
6 M	Chloroethane	1.437	1.286	10.5	99	0.00
7 M	Trichlorofluoromethane	2.672	2.570	3.8	96	0.00
8 T	Diethyl Ether	1.078	1.109	-2.9	117	0.00
9	1,1,2-Trichlorotrifluoroeth	1.668	1.728	-3.6	117	0.00
10 M	1,1-Dichloroethene	1.586	1.575	0.7	115	0.00
11	Methyl Iodide	2.122	1.791	15.6	98	0.00
12	Methyl Acetate	2.177	2.261	-3.9	117	0.00
13 M	Acrolein	0.118	0.020#	83.1#	22	0.00
14 M	Acrylonitrile	0.887	0.909	-2.5	117	0.00
15 M	Acetone	0.252	0.229	9.1	96	0.00
16 M	Carbon Disulfide	3.694	3.224	12.7	105	0.00
17	Allyl chloride	2.907	2.915	-0.3	119	0.00
18 M	Methylene Chloride	1.999	2.022	-1.2	117	0.00
19 M	trans-1,2-Dichloroethene	1.768	1.786	-1.0	117	0.00
20 T	Diisopropyl ether	6.796	6.678	1.7	114	0.00
21 M	1,1-Dichloroethane	3.747	3.902	-4.1	118	0.00
22 M	cis-1,2-Dichloroethene	2.166	2.201	-1.6	117	0.00
23 M	tert-Butyl Alcohol	0.290	0.277	4.5	106	0.00
24 M	Methyl tert-Butyl Ether	6.080	6.146	-1.1	116	0.00
25 M	Chloroform	3.815	3.869	-1.4	117	0.00
26	Cyclohexane	3.148	3.075	2.3	114	0.00
27 s	1,2-Dichloroethane-d4	2.654	2.735	-3.1	111	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	110	0.00
29	1,1-Dichloropropene	0.472	0.457	3.2	113	0.00
30 M	2-Butanone	0.213	0.204	4.2	109	0.00
31	2,2-Dichloropropane	0.498	0.462	7.2	112	0.00
32 M	1,1,1-Trichloroethane	0.531	0.514	3.2	113	0.00
33 M	Carbon Tetrachloride	0.433	0.412	4.8	116	0.00
34 M	Benzene	1.398	1.392	0.4	116	0.00
35	Methacrylonitrile	0.197	0.195	1.0	125	0.00
36 M	1,2-Dichloroethane	0.543	0.550	-1.3	118	0.00
37 M	Trichloroethene	0.340	0.334	1.8	115	0.00
38	Methylcyclohexane	0.537	0.511	4.8	113	0.00
39 M	1,2-Dichloropropane	0.393	0.390	0.8	116	0.00
40	Dibromomethane	0.239	0.241	-0.8	117	0.00
41 M	Bromodichloromethane	0.482	0.455	5.6	115	0.00
42 M	Vinyl Acetate	0.855	0.889	-4.0	114	0.00
43	Ethyl Acetate	0.434	0.375	13.6	99	0.00
44	Isopropyl Acetate	0.757	0.765	-1.1	122	0.00
45 T	1,4-Dioxane	0.006	0.005#	16.7	107	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.370	0.349	5.7	115	0.00
47	n-amyl Acetate	0.695	0.628	9.6	113	0.00
48 M	t-1,3-Dichloropropene	0.513	0.458	10.7	113	0.00
49 T	cis-1,3-Dichloropropene	0.575	0.534	7.1	115	0.00
50 M	1,1,2-Trichloroethane	0.346	0.339	2.0	114	0.00
51	Ethyl methacrylate	0.537	0.499	7.1	114	0.00
52	1,3-Dichloropropane	0.606	0.595	1.8	115	0.00
53 M	Dibromochloromethane	0.342	0.304	11.1	115	0.00
54 M	1,2-Dibromoethane	0.345	0.320	7.2	111	0.00
55 M	2-Chloroethyl vinyl ether	0.255	0.224	12.2	99	0.00
56 M	Bromoform	0.212	0.175	17.5	111	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
58 M	4-Methyl-2-Pentanone	0.465	0.503	-8.2	114	0.00
59 M	2-Hexanone	0.349	0.349	0.0	110	0.00
60 S	4-Bromofluorobenzene	0.513	0.501	2.3	110	0.00
61 M	Tetrachloroethene	0.305	0.307	-0.7	115	0.00
62 M	Toluene	1.661	1.706	-2.7	115	0.00
63 S	Toluene-d8	1.440	1.444	-0.3	108	0.00
64 M	Chlorobenzene	1.030	1.031	-0.1	114	0.00
65	1,1,1,2-Tetrachloroethane	0.358	0.345	3.6	115	0.00
66 M	Ethyl Benzene	1.813	1.867	-3.0	114	0.00
67 M	m/p-Xylenes	0.692	0.688	0.6	115	0.00
68 M	o-Xylene	0.678	0.665	1.9	116	0.00
69 M	Styrene	1.156	1.127	2.5	115	0.00
70	Isopropylbenzene	1.792	1.833	-2.3	113	0.00
71 M	1,1,2,2-Tetrachloroethane	0.560	0.551	1.6	114	0.00
72	1,2,3-Trichloropropane	0.497	0.469	5.6	110	0.00
73	Bromobenzene	0.429	0.403	6.1	113	0.00
74	n-propylbenzene	2.048	2.142	-4.6	114	0.00
75	2-Chlorotoluene	1.275	1.256	1.5	115	0.00
76	1,3,5-Trimethylbenzene	1.526	1.535	-0.6	114	0.00
77	t-1,4-Dichloro-2-butene	0.147	0.115	21.8	110	0.00
78	4-Chlorotoluene	1.301	1.292	0.7	118	0.00
79	tert-butylbenzene	1.331	1.313	1.4	113	0.00
80	1,2,4-Trimethylbenzene	1.521	1.527	-0.4	114	0.00
81	sec-Butylbenzene	1.766	1.775	-0.5	114	0.00
82	p-Isopropyltoluene	1.582	1.586	-0.3	113	0.00
83 M	1,3-Dichlorobenzene	0.798	0.771	3.4	115	0.00
84 M	1,4-Dichlorobenzene	0.785	0.768	2.2	119	0.00
85	n-Butylbenzene	1.474	1.404	4.7	109	0.00
86 T	Hexachloroethane	0.252	0.204	19.0	107	0.00
87 M	1,2-Dichlorobenzene	0.774	0.764	1.3	118	0.00
88	1,2-Dibromo-3-Chloropropane	0.099	0.089	10.1	113	0.00
89	1,2,4-Trichlorobenzene	0.473	0.449	5.1	118	0.00
90	Hexachlorobutadiene	0.217	0.207	4.6	111	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.301	1.274	2.1	117	0.00
92	1,2,3-Trichlorobenzene	0.451	0.441	2.2	119	0.00

(#) = Out of Range

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