

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050996.D
 Acq On : 31 Aug 2018 18:32
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 01 01:41:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 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	99	0.00
2 M	Dichlorodifluoromethane	1.863	1.806	3.1	90	0.00
3 M	Chloromethane	2.200	2.093	4.9	90	0.00
4 M	Vinyl Chloride	2.174	2.114	2.8	94	0.00
5 M	Bromomethane	1.325	1.197	9.7	93	0.00
6 M	Chloroethane	1.282	1.226	4.4	94	0.00
7 M	Trichlorofluoromethane	2.882	2.815	2.3	96	0.00
8 T	Diethyl Ether	1.016	0.938	7.7	95	0.00
9	1,1,2-Trichlorotrifluoroeth	1.785	1.734	2.9	95	0.00
10 M	1,1-Dichloroethene	1.621	1.548	4.5	95	0.00
11	Methyl Iodide	1.512	1.267	16.2	98	0.00
12	Methyl Acetate	1.874	1.822	2.8	97	0.00
13 M	Acrolein	0.042	0.020#	52.4#	57	0.00
14 M	Acrylonitrile	0.634	0.533	15.9	86	0.00
15 M	Acetone	0.162	0.134	17.3	88	0.00
16 M	Carbon Disulfide	4.874	4.441	8.9	91	0.00
17	Allyl chloride	2.551	2.402	5.8	98	0.00
18 M	Methylene Chloride	1.903	1.883	1.1	97	0.00
19 M	trans-1,2-Dichloroethene	1.727	1.665	3.6	97	0.00
20 T	Diisopropyl ether	5.294	5.230	1.2	96	0.00
21 M	1,1-Dichloroethane	3.246	3.204	1.3	97	0.00
22 M	cis-1,2-Dichloroethene	1.951	1.876	3.8	96	0.00
23 M	tert-Butyl Alcohol	0.135	0.102	24.4	79	0.00
24 M	Methyl tert-Butyl Ether	4.434	4.116	7.2	95	0.00
25 M	Chloroform	3.240	3.242	-0.1	98	0.00
26	Cyclohexane	2.689	2.512	6.6	96	0.00
27 s	1,2-Dichloroethane-d4	1.914	1.886	1.5	98	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
29	1,1-Dichloropropene	0.449	0.430	4.2	98	0.00
30 M	2-Butanone	0.138	0.105	23.9	83	0.00
31	2,2-Dichloropropane	0.437	0.451	-3.2	108	0.00
32 M	1,1,1-Trichloroethane	0.509	0.501	1.6	99	0.00
33 M	Carbon Tetrachloride	0.459	0.436	5.0	96	0.00
34 M	Benzene	1.389	1.352	2.7	98	0.00
35	Methacrylonitrile	0.151	0.115	23.8	72	0.00
36 M	1,2-Dichloroethane	0.420	0.400	4.8	94	0.00
37 M	Trichloroethene	0.363	0.349	3.9	99	0.00
38	Methylcyclohexane	0.482	0.440	8.7	98	0.00
39 M	1,2-Dichloropropane	0.363	0.358	1.4	98	0.00
40	Dibromomethane	0.219	0.204	6.8	94	0.00
41 M	Bromodichloromethane	0.461	0.442	4.1	97	0.00
42 M	Vinyl Acetate	0.636	0.551	13.4	89	0.00
43	Ethyl Acetate	0.283	0.231	18.4	81	0.00
44	Isopropyl Acetate	0.499	0.450	9.8	93	0.00
45 T	1,4-Dioxane	0.004	0.003#	25.0	76	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.250	0.207	17.2	88	0.00
47	n-amyl Acetate	0.402	0.296	26.4	81	0.00
48 M	t-1,3-Dichloropropene	0.452	0.396	12.4	94	0.00
49 T	cis-1,3-Dichloropropene	0.519	0.495	4.6	100	0.00
50 M	1,1,2-Trichloroethane	0.318	0.290	8.8	91	0.00
51	Ethyl methacrylate	0.389	0.314	19.3	89	0.00
52	1,3-Dichloropropane	0.526	0.479	8.9	92	0.00
53 M	Dibromochloromethane	0.361	0.326	9.7	94	0.00
54 M	1,2-Dibromoethane	0.314	0.278	11.5	91	0.00
55 M	2-Chloroethyl vinyl ether	0.162	0.130	19.8	87	0.00
56 M	Bromoform	0.257	0.211	17.9	86	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
58 M	4-Methyl-2-Pentanone	0.343	0.286	16.6	84	0.00
59 M	2-Hexanone	0.224	0.174	22.3	81	0.00
60 S	4-Bromofluorobenzene	0.446	0.439	1.6	96	0.00
61 M	Tetrachloroethene	0.374	0.371	0.8	95	0.00
62 M	Toluene	1.674	1.672	0.1	96	0.00
63 S	Toluene-d8	1.399	1.446	-3.4	99	0.00
64 M	Chlorobenzene	1.037	1.010	2.6	95	0.00
65	1,1,1,2-Tetrachloroethane	0.392	0.396	-1.0	98	0.00
66 M	Ethyl Benzene	1.734	1.648	5.0	95	0.00
67 M	m/p-Xylenes	0.667	0.655	1.8	95	0.00
68 M	o-Xylene	0.637	0.617	3.1	94	0.00
69 M	Styrene	1.013	0.955	5.7	92	0.00
70	Isopropylbenzene	1.694	1.644	3.0	94	0.00
71 M	1,1,2,2-Tetrachloroethane	0.459	0.412	10.2	86	0.00
72	1,2,3-Trichloropropane	0.396	0.348	12.1	85	0.00
73	Bromobenzene	0.446	0.418	6.3	92	0.00
74	n-propylbenzene	1.915	1.814	5.3	92	0.00
75	2-Chlorotoluene	1.163	1.140	2.0	95	0.00
76	1,3,5-Trimethylbenzene	1.384	1.346	2.7	93	0.00
77	t-1,4-Dichloro-2-butene	0.113	0.087	23.0	83	0.00
78	4-Chlorotoluene	1.145	1.078	5.9	92	0.00
79	tert-butylbenzene	1.202	1.166	3.0	94	0.00
80	1,2,4-Trimethylbenzene	1.380	1.337	3.1	92	0.00
81	sec-Butylbenzene	1.573	1.505	4.3	94	0.00
82	p-Isopropyltoluene	1.357	1.283	5.5	93	0.00
83 M	1,3-Dichlorobenzene	0.753	0.691	8.2	90	0.00
84 M	1,4-Dichlorobenzene	0.714	0.626	12.3	87	0.00
85	n-Butylbenzene	1.036	0.901	13.0	91	0.00
86 T	Hexachloroethane	0.261	0.238	8.8	91	0.00
87 M	1,2-Dichlorobenzene	0.742	0.680	8.4	88	0.00
88	1,2-Dibromo-3-Chloropropane	0.064	0.050#	21.9	74	0.00
89	1,2,4-Trichlorobenzene	0.330	0.238	27.9	83	0.00
90	Hexachlorobutadiene	0.224	0.217	3.1	95	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.708	0.444	37.3#	79	0.00
92	1,2,3-Trichlorobenzene	0.331	0.251	24.2	82	0.00

(#) = Out of Range

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