

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN091918\
 Data File : VN051309.D
 Acq On : 19 Sep 2018 10:29
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 19 15:39:59 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	86	0.00
2 M	Dichlorodifluoromethane	1.863	1.673	10.2	72	0.00
3 M	Chloromethane	2.200	2.173	1.2	81	0.00
4 M	Vinyl Chloride	2.174	2.176	-0.1	84	0.00
5 M	Bromomethane	1.325	1.247	5.9	85	0.00
6 M	Chloroethane	1.282	1.302	-1.6	87	0.00
7 M	Trichlorofluoromethane	2.882	3.042	-5.6	90	0.00
8 T	Diethyl Ether	1.016	0.944	7.1	83	0.00
9	1,1,2-Trichlorotrifluoroeth	1.785	1.913	-7.2	91	0.00
10 M	1,1-Dichloroethene	1.621	1.641	-1.2	88	0.00
11	Methyl Iodide	1.512	1.638	-8.3	111	0.00
12	Methyl Acetate	1.874	1.280	31.7#	59	0.00
13 M	Acrolein	0.042	0.091	-116.7#	231#	0.00
14 M	Acrylonitrile	0.634	0.518	18.3	73	0.00
15 M	Acetone	0.162	0.158	2.5	90	0.00
16 M	Carbon Disulfide	4.874	5.018	-3.0	90	0.00
17	Allyl chloride	2.551	2.401	5.9	85	0.00
18 M	Methylene Chloride	1.903	1.960	-3.0	88	0.00
19 M	trans-1,2-Dichloroethene	1.727	1.800	-4.2	91	0.00
20 T	Diisopropyl ether	5.294	5.193	1.9	83	0.00
21 M	1,1-Dichloroethane	3.246	3.298	-1.6	87	0.00
22 M	cis-1,2-Dichloroethene	1.951	2.008	-2.9	89	0.00
23 M	tert-Butyl Alcohol	0.135	0.095	29.6	64	0.00
24 M	Methyl tert-Butyl Ether	4.434	4.102	7.5	82	0.00
25 M	Chloroform	3.240	3.387	-4.5	89	0.00
26	Cyclohexane	2.689	2.699	-0.4	90	0.00
27 s	1,2-Dichloroethane-d4	1.914	1.784	6.8	80	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
29	1,1-Dichloropropene	0.449	0.472	-5.1	92	0.00
30 M	2-Butanone	0.138	0.107	22.5	72	0.00
31	2,2-Dichloropropane	0.437	0.503	-15.1	104	0.00
32 M	1,1,1-Trichloroethane	0.509	0.540	-6.1	91	0.00
33 M	Carbon Tetrachloride	0.459	0.494	-7.6	93	0.00
34 M	Benzene	1.389	1.418	-2.1	88	0.00
35	Methacrylonitrile	0.151	0.119	21.2	64	0.00
36 M	1,2-Dichloroethane	0.420	0.418	0.5	85	0.00
37 M	Trichloroethene	0.363	0.392	-8.0	95	0.00
38	Methylcyclohexane	0.482	0.513	-6.4	98	0.00
39 M	1,2-Dichloropropane	0.363	0.371	-2.2	87	0.00
40	Dibromomethane	0.219	0.219	0.0	87	0.00
41 M	Bromodichloromethane	0.461	0.474	-2.8	89	0.00
42 M	Vinyl Acetate	0.636	0.582	8.5	81	0.00
43	Ethyl Acetate	0.283	0.215	24.0	65	0.00
44	Isopropyl Acetate	0.499	0.442	11.4	78	0.00
45 T	1,4-Dioxane	0.004	0.003#	25.0	68	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.250	0.192	23.2	70	0.00
47	n-amyl Acetate	0.402	0.288	28.4	68	0.00
48 M	t-1,3-Dichloropropene	0.452	0.439	2.9	89	0.00
49 T	cis-1,3-Dichloropropene	0.519	0.527	-1.5	91	0.00
50 M	1,1,2-Trichloroethane	0.318	0.314	1.3	84	0.00
51	Ethyl methacrylate	0.389	0.338	13.1	82	0.00
52	1,3-Dichloropropane	0.526	0.504	4.2	83	0.00
53 M	Dibromochloromethane	0.361	0.368	-1.9	91	0.00
54 M	1,2-Dibromoethane	0.314	0.297	5.4	83	0.00
55 M	2-Chloroethyl vinyl ether	0.162	0.126	22.2	72	0.00
56 M	Bromoform	0.257	0.246	4.3	86	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
58 M	4-Methyl-2-Pentanone	0.343	0.261	23.9	67	0.00
59 M	2-Hexanone	0.224	0.165	26.3	67	0.00
60 S	4-Bromofluorobenzene	0.446	0.433	2.9	83	0.00
61 M	Tetrachloroethene	0.374	0.426	-13.9	96	0.00
62 M	Toluene	1.674	1.808	-8.0	91	0.00
63 S	Toluene-d8	1.399	1.429	-2.1	86	0.00
64 M	Chlorobenzene	1.037	1.122	-8.2	93	0.00
65	1,1,1,2-Tetrachloroethane	0.392	0.438	-11.7	95	0.00
66 M	Ethyl Benzene	1.734	1.821	-5.0	92	0.00
67 M	m/p-Xylenes	0.667	0.735	-10.2	93	0.00
68 M	o-Xylene	0.637	0.693	-8.8	93	0.00
69 M	Styrene	1.013	1.081	-6.7	92	0.00
70	Isopropylbenzene	1.694	1.835	-8.3	92	0.00
71 M	1,1,2,2-Tetrachloroethane	0.459	0.413	10.0	75	0.00
72	1,2,3-Trichloropropane	0.396	0.304	23.2	65	0.00
73	Bromobenzene	0.446	0.468	-4.9	90	0.00
74	n-propylbenzene	1.915	2.012	-5.1	90	0.00
75	2-Chlorotoluene	1.163	1.242	-6.8	91	0.00
76	1,3,5-Trimethylbenzene	1.384	1.531	-10.6	93	0.00
77	t-1,4-Dichloro-2-butene	0.113	0.092	18.6	77	0.00
78	4-Chlorotoluene	1.145	1.183	-3.3	88	0.00
79	tert-butylbenzene	1.202	1.307	-8.7	92	0.00
80	1,2,4-Trimethylbenzene	1.380	1.506	-9.1	91	0.00
81	sec-Butylbenzene	1.573	1.698	-7.9	93	0.00
82	p-Isopropyltoluene	1.357	1.470	-8.3	93	0.00
83 M	1,3-Dichlorobenzene	0.753	0.769	-2.1	88	0.00
84 M	1,4-Dichlorobenzene	0.714	0.725	-1.5	88	0.00
85	n-Butylbenzene	1.036	1.009	2.6	89	0.00
86 T	Hexachloroethane	0.261	0.286	-9.6	96	0.00
87 M	1,2-Dichlorobenzene	0.742	0.753	-1.5	86	0.00
88	1,2-Dibromo-3-Chloropropane	0.064	0.053	17.2	68	0.00
89	1,2,4-Trichlorobenzene	0.330	0.250	24.2	76	0.00
90	Hexachlorobutadiene	0.224	0.278	-24.1	107	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.708	0.400	43.5#	62	0.00
92	1,2,3-Trichlorobenzene	0.331	0.269	18.7	77	0.00

(#) = Out of Range

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