

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051285.D
 Acq On : 18 Sep 2018 8:06
 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 18 14:22:02 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	80	0.00
2 M	Dichlorodifluoromethane	1.863	1.421	23.7	57	0.00
3 M	Chloromethane	2.200	1.820	17.3	63	0.00
4 M	Vinyl Chloride	2.174	1.837	15.5	65	0.00
5 M	Bromomethane	1.325	1.016	23.3	64	0.00
6 M	Chloroethane	1.282	1.116	12.9	68	0.00
7 M	Trichlorofluoromethane	2.882	2.485	13.8	68	0.00
8 T	Diethyl Ether	1.016	0.767	24.5	62	0.00
9	1,1,2-Trichlorotrifluoroeth	1.785	1.603	10.2	71	0.00
10 M	1,1-Dichloroethene	1.621	1.387	14.4	68	0.00
11	Methyl Iodide	1.512	1.269	16.1	79	0.00
12	Methyl Acetate	1.874	1.000	46.6#	43	0.00
13 M	Acrolein	0.042	0.106	-152.4#	247#	0.00
14 M	Acrylonitrile	0.634	0.404	36.3#	52	0.00
15 M	Acetone	0.162	0.129	20.4	68	0.00
16 M	Carbon Disulfide	4.874	4.292	11.9	71	0.00
17	Allyl chloride	2.551	1.999	21.6	65	0.00
18 M	Methylene Chloride	1.903	1.624	14.7	67	0.00
19 M	trans-1,2-Dichloroethene	1.727	1.475	14.6	69	0.00
20 T	Diisopropyl ether	5.294	4.190	20.9	62	0.00
21 M	1,1-Dichloroethane	3.246	2.713	16.4	66	0.00
22 M	cis-1,2-Dichloroethene	1.951	1.634	16.2	67	0.00
23 M	tert-Butyl Alcohol	0.135	0.070	48.1#	43	0.00
24 M	Methyl tert-Butyl Ether	4.434	3.241	26.9	60	0.00
25 M	Chloroform	3.240	2.795	13.7	68	0.00
26	Cyclohexane	2.689	2.179	19.0	67	0.00
27 s	1,2-Dichloroethane-d4	1.914	1.805	5.7	75	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
29	1,1-Dichloropropene	0.449	0.389	13.4	70	0.00
30 M	2-Butanone	0.138	0.084	39.1#	53	0.00
31	2,2-Dichloropropane	0.437	0.418	4.3	79	0.00
32 M	1,1,1-Trichloroethane	0.509	0.448	12.0	70	0.00
33 M	Carbon Tetrachloride	0.459	0.410	10.7	71	0.00
34 M	Benzene	1.389	1.182	14.9	67	0.00
35	Methacrylonitrile	0.151	0.095	37.1#	47	0.00
36 M	1,2-Dichloroethane	0.420	0.352	16.2	65	0.00
37 M	Trichloroethene	0.363	0.326	10.2	73	0.00
38	Methylcyclohexane	0.482	0.413	14.3	73	0.00
39 M	1,2-Dichloropropane	0.363	0.305	16.0	66	0.00
40	Dibromomethane	0.219	0.175	20.1	64	0.00
41 M	Bromodichloromethane	0.461	0.392	15.0	68	0.00
42 M	Vinyl Acetate	0.636	0.468	26.4	60	0.00
43	Ethyl Acetate	0.283	0.180	36.4#	50	0.00
44	Isopropyl Acetate	0.499	0.334	33.1#	54	0.00
45 T	1,4-Dioxane	0.004	0.002#	50.0#	49	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.250	0.155	38.0#	52	0.00
47	n-amyl Acetate	0.402	0.207	48.5#	45	0.00
48 M	t-1,3-Dichloropropene	0.452	0.355	21.5	66	0.00
49 T	cis-1,3-Dichloropropene	0.519	0.434	16.4	69	0.00
50 M	1,1,2-Trichloroethane	0.318	0.257	19.2	63	0.00
51	Ethyl methacrylate	0.389	0.258	33.7#	58	0.00
52	1,3-Dichloropropane	0.526	0.403	23.4	61	0.00
53 M	Dibromochloromethane	0.361	0.298	17.5	68	0.00
54 M	1,2-Dibromoethane	0.314	0.239	23.9	62	0.00
55 M	2-Chloroethyl vinyl ether	0.162	0.119	26.5	63	0.00
56 M	Bromoform	0.257	0.195	24.1	63	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	79	0.00
58 M	4-Methyl-2-Pentanone	0.343	0.201	41.4#	48	0.00
59 M	2-Hexanone	0.224	0.124	44.6#	47	0.00
60 S	4-Bromofluorobenzene	0.446	0.421	5.6	75	0.00
61 M	Tetrachloroethene	0.374	0.340	9.1	70	0.00
62 M	Toluene	1.674	1.455	13.1	67	0.00
63 S	Toluene-d8	1.399	1.450	-3.6	80	0.00
64 M	Chlorobenzene	1.037	0.882	14.9	67	0.00
65	1,1,1,2-Tetrachloroethane	0.392	0.353	9.9	71	0.00
66 M	Ethyl Benzene	1.734	1.424	17.9	66	0.00
67 M	m/p-Xylenes	0.667	0.580	13.0	68	0.00
68 M	o-Xylene	0.637	0.542	14.9	67	0.00
69 M	Styrene	1.013	0.844	16.7	66	0.00
70	Isopropylbenzene	1.694	1.444	14.8	66	0.00
71 M	1,1,2,2-Tetrachloroethane	0.459	0.327	28.8	55	0.00
72	1,2,3-Trichloropropane	0.396	0.275	30.6#	54	0.00
73	Bromobenzene	0.446	0.364	18.4	65	0.00
74	n-propylbenzene	1.915	1.540	19.6	63	0.00
75	2-Chlorotoluene	1.163	0.975	16.2	66	0.00
76	1,3,5-Trimethylbenzene	1.384	1.175	15.1	66	0.00
77	t-1,4-Dichloro-2-butene	0.113	0.068	39.8#	52	0.00
78	4-Chlorotoluene	1.145	0.909	20.6	62	0.00
79	tert-butylbenzene	1.202	1.025	14.7	67	0.00
80	1,2,4-Trimethylbenzene	1.380	1.143	17.2	64	0.00
81	sec-Butylbenzene	1.573	1.323	15.9	66	0.00
82	p-Isopropyltoluene	1.357	1.133	16.5	66	0.00
83 M	1,3-Dichlorobenzene	0.753	0.583	22.6	62	0.00
84 M	1,4-Dichlorobenzene	0.714	0.525	26.5	59	0.00
85	n-Butylbenzene	1.036	0.734	29.2	60	0.00
86 T	Hexachloroethane	0.261	0.231	11.5	71	0.00
87 M	1,2-Dichlorobenzene	0.742	0.578	22.1	61	0.00
88	1,2-Dibromo-3-Chloropropane	0.064	0.037#	42.2#	45	0.00
89	1,2,4-Trichlorobenzene	0.330	0.158	52.1#	45	0.00
90	Hexachlorobutadiene	0.224	0.225	-0.4	79	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.708	0.261	63.1#	37	0.00
92	1,2,3-Trichlorobenzene	0.331	0.182	45.0#	48	0.00

(#) = Out of Range

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