

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN090418\
 Data File : VN051007.D
 Acq On : 4 Sep 2018 10:02
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 04 10:56:33 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	92	0.00
2 M	Dichlorodifluoromethane	1.863	1.576	15.4	73	0.00
3 M	Chloromethane	2.200	1.758	20.1	70	0.00
4 M	Vinyl Chloride	2.174	1.811	16.7	74	0.00
5 M	Bromomethane	1.325	1.038	21.7	75	0.00
6 M	Chloroethane	1.282	1.063	17.1	75	0.00
7 M	Trichlorofluoromethane	2.882	2.480	13.9	78	0.00
8 T	Diethyl Ether	1.016	0.832	18.1	78	0.00
9	1,1,2-Trichlorotrifluoroeth	1.785	1.550	13.2	79	0.00
10 M	1,1-Dichloroethene	1.621	1.353	16.5	77	0.00
11	Methyl Iodide	1.512	0.953	37.0#	69	0.00
12	Methyl Acetate	1.874	1.596	14.8	79	0.00
13 M	Acrolein	0.042	0.017#	59.5#	46	0.00
14 M	Acrylonitrile	0.634	0.464	26.8	70	0.00
15 M	Acetone	0.162	0.131	19.1	80	0.00
16 M	Carbon Disulfide	4.874	3.946	19.0	75	0.00
17	Allyl chloride	2.551	2.117	17.0	80	0.00
18 M	Methylene Chloride	1.903	1.617	15.0	77	0.00
19 M	trans-1,2-Dichloroethene	1.727	1.463	15.3	79	0.00
20 T	Diisopropyl ether	5.294	4.527	14.5	77	0.00
21 M	1,1-Dichloroethane	3.246	2.799	13.8	79	0.00
22 M	cis-1,2-Dichloroethene	1.951	1.634	16.2	78	0.00
23 M	tert-Butyl Alcohol	0.135	0.087	35.6#	62	0.00
24 M	Methyl tert-Butyl Ether	4.434	3.580	19.3	77	0.00
25 M	Chloroform	3.240	2.798	13.6	78	0.00
26	Cyclohexane	2.689	2.171	19.3	77	0.00
27 s	1,2-Dichloroethane-d4	1.914	1.882	1.7	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
29	1,1-Dichloropropene	0.449	0.386	14.0	79	0.00
30 M	2-Butanone	0.138	0.098	29.0	70	0.00
31	2,2-Dichloropropane	0.437	0.426	2.5	92	0.00
32 M	1,1,1-Trichloroethane	0.509	0.445	12.6	79	0.00
33 M	Carbon Tetrachloride	0.459	0.395	13.9	78	0.00
34 M	Benzene	1.389	1.202	13.5	79	0.00
35	Methacrylonitrile	0.151	0.096	36.4#	54	0.00
36 M	1,2-Dichloroethane	0.420	0.363	13.6	77	0.00
37 M	Trichloroethene	0.363	0.316	12.9	81	0.00
38	Methylcyclohexane	0.482	0.392	18.7	79	0.00
39 M	1,2-Dichloropropane	0.363	0.317	12.7	79	0.00
40	Dibromomethane	0.219	0.180	17.8	75	0.00
41 M	Bromodichloromethane	0.461	0.390	15.4	77	0.00
42 M	Vinyl Acetate	0.636	0.483	24.1	71	0.00
43	Ethyl Acetate	0.283	0.199	29.7	63	0.00
44	Isopropyl Acetate	0.499	0.382	23.4	71	0.00
45 T	1,4-Dioxane	0.004	0.003#	25.0	63	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.250	0.180	28.0	69	0.00
47	n-amyl Acetate	0.402	0.244	39.3#	61	0.00
48 M	t-1,3-Dichloropropene	0.452	0.362	19.9	77	0.00
49 T	cis-1,3-Dichloropropene	0.519	0.441	15.0	80	0.00
50 M	1,1,2-Trichloroethane	0.318	0.261	17.9	74	0.00
51	Ethyl methacrylate	0.389	0.275	29.3	71	0.00
52	1,3-Dichloropropane	0.526	0.431	18.1	75	0.00
53 M	Dibromochloromethane	0.361	0.289	19.9	75	0.00
54 M	1,2-Dibromoethane	0.314	0.243	22.6	72	0.00
55 M	2-Chloroethyl vinyl ether	0.162	0.133	17.9	80	0.00
56 M	Bromoform	0.257	0.189	26.5	70	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
58 M	4-Methyl-2-Pentanone	0.343	0.249	27.4	66	0.00
59 M	2-Hexanone	0.224	0.155	30.8#	65	0.00
60 S	4-Bromofluorobenzene	0.446	0.422	5.4	84	0.00
61 M	Tetrachloroethene	0.374	0.332	11.2	77	0.00
62 M	Toluene	1.674	1.463	12.6	76	0.00
63 S	Toluene-d8	1.399	1.453	-3.9	90	0.00
64 M	Chlorobenzene	1.037	0.876	15.5	75	0.00
65	1,1,1,2-Tetrachloroethane	0.392	0.356	9.2	80	0.00
66 M	Ethyl Benzene	1.734	1.419	18.2	74	0.00
67 M	m/p-Xylenes	0.667	0.561	15.9	74	0.00
68 M	o-Xylene	0.637	0.539	15.4	75	0.00
69 M	Styrene	1.013	0.791	21.9	70	0.00
70	Isopropylbenzene	1.694	1.405	17.1	73	0.00
71 M	1,1,2,2-Tetrachloroethane	0.459	0.359	21.8	68	0.00
72	1,2,3-Trichloropropane	0.396	0.267	32.6#	59	0.00
73	Bromobenzene	0.446	0.358	19.7	72	0.00
74	n-propylbenzene	1.915	1.510	21.1	70	0.00
75	2-Chlorotoluene	1.163	0.961	17.4	73	0.00
76	1,3,5-Trimethylbenzene	1.384	1.146	17.2	72	0.00
77	t-1,4-Dichloro-2-butene	0.113	0.077	31.9#	67	0.00
78	4-Chlorotoluene	1.145	0.911	20.4	70	0.00
79	tert-butylbenzene	1.202	0.984	18.1	72	0.00
80	1,2,4-Trimethylbenzene	1.380	1.129	18.2	71	0.00
81	sec-Butylbenzene	1.573	1.281	18.6	72	0.00
82	p-Isopropyltoluene	1.357	1.084	20.1	71	0.00
83 M	1,3-Dichlorobenzene	0.753	0.570	24.3	68	0.00
84 M	1,4-Dichlorobenzene	0.714	0.532	25.5	67	0.00
85	n-Butylbenzene	1.036	0.755	27.1	69	0.00
86 T	Hexachloroethane	0.261	0.205	21.5	71	0.00
87 M	1,2-Dichlorobenzene	0.742	0.573	22.8	68	0.00
88	1,2-Dibromo-3-Chloropropane	0.064	0.044#	31.3#	60	0.00
89	1,2,4-Trichlorobenzene	0.330	0.199	39.7#	63	0.00
90	Hexachlorobutadiene	0.224	0.203	9.4	81	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.708	0.359	49.3#	58	0.00
92	1,2,3-Trichlorobenzene	0.331	0.216	34.7#	64	0.00

(#) = Out of Range

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