

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071118\
 Data File : VN049766.D
 Acq On : 11 Jul 2018 19:29
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 12 02:39:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 01:52:12 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	96	0.00
2 M	Dichlorodifluoromethane	2.245	2.462	-9.7	100	0.00
3 M	Chloromethane	2.320	2.395	-3.2	99	0.00
4 M	Vinyl Chloride	2.455	2.524	-2.8	98	0.00
5 M	Bromomethane	1.482	1.479	0.2	100	0.00
6 M	Chloroethane	1.425	1.468	-3.0	98	0.00
7 M	Trichlorofluoromethane	3.106	3.233	-4.1	99	0.00
8 T	Diethyl Ether	1.061	1.057	0.4	96	0.00
9	1,1,2-Trichlorotrifluoroeth	1.870	1.924	-2.9	99	0.00
10 M	1,1-Dichloroethene	1.722	1.770	-2.8	100	0.00
11	Methyl Iodide	2.561	2.523	1.5	100	0.00
12	Methyl Acetate	1.683	1.766	-4.9	101	0.00
13 M	Acrolein	0.176	0.149	15.3	94	0.00
14 M	Acrylonitrile	0.604	0.602	0.3	103	0.00
15 M	Acetone	0.152	0.144	5.3	91	0.00
16 M	Carbon Disulfide	5.324	5.420	-1.8	101	0.00
17	Allyl chloride	2.720	2.657	2.3	99	0.00
18 M	Methylene Chloride	2.043	2.002	2.0	97	0.00
19 M	trans-1,2-Dichloroethene	1.819	1.862	-2.4	102	0.00
20 T	Diisopropyl ether	5.489	5.658	-3.1	102	0.00
21 M	1,1-Dichloroethane	3.370	3.482	-3.3	100	0.00
22 M	cis-1,2-Dichloroethene	2.025	2.050	-1.2	100	0.00
23 M	tert-Butyl Alcohol	0.126	0.129	-2.4	102	0.00
24 M	Methyl tert-Butyl Ether	4.581	4.618	-0.8	100	0.00
25 M	Chloroform	3.402	3.509	-3.1	100	0.00
26	Cyclohexane	2.845	2.844	0.0	101	0.00
27 s	1,2-Dichloroethane-d4	2.028	2.065	-1.8	96	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
29	1,1-Dichloropropene	0.477	0.481	-0.8	101	0.00
30 M	2-Butanone	0.133	0.125	6.0	94	0.00
31	2,2-Dichloropropane	0.512	0.467	8.8	90	0.00
32 M	1,1,1-Trichloroethane	0.549	0.550	-0.2	99	0.00
33 M	Carbon Tetrachloride	0.486	0.489	-0.6	100	0.00
34 M	Benzene	1.432	1.437	-0.3	99	0.00
35	Methacrylonitrile	0.152	0.144	5.3	109	0.00
36 M	1,2-Dichloroethane	0.457	0.458	-0.2	101	0.00
37 M	Trichloroethene	0.373	0.366	1.9	98	0.00
38	Methylcyclohexane	0.514	0.492	4.3	101	0.00
39 M	1,2-Dichloropropane	0.372	0.375	-0.8	101	0.00
40	Dibromomethane	0.224	0.225	-0.4	100	0.00
41 M	Bromodichloromethane	0.481	0.477	0.8	100	0.00
42 M	Vinyl Acetate	0.706	0.687	2.7	100	0.00
43	Ethyl Acetate	0.281	0.287	-2.1	112	0.00
44	Isopropyl Acetate	0.525	0.531	-1.1	103	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	99	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.263	0.248	5.7	99	0.00
47	n-amyl Acetate	0.442	0.404	8.6	100	0.00
48 M	t-1,3-Dichloropropene	0.484	0.459	5.2	99	0.00
49 T	cis-1,3-Dichloropropene	0.558	0.541	3.0	99	0.00
50 M	1,1,2-Trichloroethane	0.325	0.330	-1.5	101	0.00
51	Ethyl methacrylate	0.397	0.375	5.5	101	0.00
52	1,3-Dichloropropane	0.534	0.536	-0.4	101	0.00
53 M	Dibromochloromethane	0.368	0.358	2.7	99	0.00
54 M	1,2-Dibromoethane	0.316	0.315	0.3	103	0.00
55 M	2-Chloroethyl vinyl ether	0.202	0.188	6.9	102	0.00
56 M	Bromoform	0.252	0.241	4.4	100	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
58 M	4-Methyl-2-Pentanone	0.326	0.332	-1.8	100	0.00
59 M	2-Hexanone	0.220	0.214	2.7	98	0.00
60 S	4-Bromofluorobenzene	0.463	0.454	1.9	98	0.00
61 M	Tetrachloroethene	0.376	0.391	-4.0	101	0.00
62 M	Toluene	1.719	1.759	-2.3	101	0.00
63 S	Toluene-d8	1.402	1.414	-0.9	96	0.00
64 M	Chlorobenzene	1.055	1.059	-0.4	101	0.00
65	1,1,1,2-Tetrachloroethane	0.400	0.404	-1.0	100	0.00
66 M	Ethyl Benzene	1.804	1.786	1.0	101	0.00
67 M	m/p-Xylenes	0.694	0.698	-0.6	101	0.00
68 M	o-Xylene	0.663	0.667	-0.6	102	0.00
69 M	Styrene	1.058	1.058	0.0	102	0.00
70	Isopropylbenzene	1.758	1.777	-1.1	102	0.00
71 M	1,1,2,2-Tetrachloroethane	0.451	0.453	-0.4	98	0.00
72	1,2,3-Trichloropropane	0.361	0.382	-5.8	106	0.00
73	Bromobenzene	0.461	0.455	1.3	101	0.00
74	n-propylbenzene	2.035	2.020	0.7	102	0.00
75	2-Chlorotoluene	1.221	1.231	-0.8	101	0.00
76	1,3,5-Trimethylbenzene	1.429	1.454	-1.7	103	0.00
77	t-1,4-Dichloro-2-butene	0.127	0.110	13.4	95	0.00
78	4-Chlorotoluene	1.217	1.214	0.2	103	0.00
79	tert-butylbenzene	1.240	1.235	0.4	101	0.00
80	1,2,4-Trimethylbenzene	1.443	1.469	-1.8	102	0.00
81	sec-Butylbenzene	1.666	1.683	-1.0	104	0.00
82	p-Isopropyltoluene	1.441	1.438	0.2	103	0.00
83 M	1,3-Dichlorobenzene	0.800	0.783	2.1	103	0.00
84 M	1,4-Dichlorobenzene	0.766	0.743	3.0	104	0.00
85	n-Butylbenzene	1.173	1.100	6.2	103	0.00
86 T	Hexachloroethane	0.274	0.274	0.0	105	0.00
87 M	1,2-Dichlorobenzene	0.770	0.784	-1.8	105	0.00
88	1,2-Dibromo-3-Chloropropane	0.067	0.065	3.0	103	0.00
89	1,2,4-Trichlorobenzene	0.389	0.378	2.8	111	0.00
90	Hexachlorobutadiene	0.248	0.245	1.2	106	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.857	0.769	10.3	108	0.00
92	1,2,3-Trichlorobenzene	0.390	0.381	2.3	105	0.00

(#) = Out of Range

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