

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051678.D
 Acq On : 5 Oct 2018 11:25
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100518

Quant Time: Oct 05 14:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 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	107	0.00
2 M	Dichlorodifluoromethane	1.750	2.487	-42.1#	124	0.00
3 M	Chloromethane	1.718	1.957	-13.9	108	0.00
4 M	Vinyl Chloride	2.613	2.966	-13.5	115	0.00
5 M	Bromomethane	2.031	2.598	-27.9	138	0.00
6 M	Chloroethane	1.751	1.921	-9.7	111	0.00
7 M	Trichlorofluoromethane	2.992	3.307	-10.5	118	0.00
8 T	Diethyl Ether	0.799	0.924	-15.6	115	0.00
9	1,1,2-Trichlorotrifluoroeth	1.535	1.759	-14.6	112	0.00
10 M	1,1-Dichloroethene	1.400	1.589	-13.5	113	0.00
11	Methyl Iodide	1.798	1.694	5.8	107	0.00
12	Methyl Acetate	1.105	1.217	-10.1	115	0.00
13 M	Acrolein	0.081	0.079	2.5	105	0.00
14 M	Acrylonitrile	0.451	0.500	-10.9	120	0.00
15 M	Acetone	0.108	0.130	-20.4	124	0.00
16 M	Carbon Disulfide	4.006	4.671	-16.6	117	0.00
17	Allyl chloride	2.042	2.224	-8.9	109	0.00
18 M	Methylene Chloride	1.580	1.736	-9.9	113	0.00
19 M	trans-1,2-Dichloroethene	1.583	1.675	-5.8	110	0.00
20 T	Diisopropyl ether	4.588	4.652	-1.4	107	0.00
21 M	1,1-Dichloroethane	2.863	3.024	-5.6	111	0.00
22 M	cis-1,2-Dichloroethene	1.863	1.956	-5.0	111	0.00
23 M	tert-Butyl Alcohol	0.117	0.139	-18.8	120	0.00
24 M	Methyl tert-Butyl Ether	4.496	4.769	-6.1	110	0.00
25 M	Chloroform	3.237	3.313	-2.3	109	0.00
26	Cyclohexane	2.433	2.584	-6.2	111	0.00
27 s	1,2-Dichloroethane-d4	2.082	2.092	-0.5	107	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
29	1,1-Dichloropropene	0.399	0.418	-4.8	112	0.00
30 M	2-Butanone	0.097	0.104	-7.2	114	0.00
31	2,2-Dichloropropane	0.497	0.535	-7.6	109	0.00
32 M	1,1,1-Trichloroethane	0.536	0.557	-3.9	111	0.00
33 M	Carbon Tetrachloride	0.486	0.492	-1.2	107	0.00
34 M	Benzene	1.206	1.227	-1.7	111	0.00
35	Methacrylonitrile	0.107	0.114	-6.5	120	0.00
36 M	1,2-Dichloroethane	0.404	0.422	-4.5	114	0.00
37 M	Trichloroethene	0.335	0.350	-4.5	110	0.00
38	Methylcyclohexane	0.505	0.527	-4.4	111	0.00
39 M	1,2-Dichloropropane	0.295	0.306	-3.7	109	0.00
40	Dibromomethane	0.204	0.208	-2.0	113	0.00
41 M	Bromodichloromethane	0.456	0.469	-2.9	113	0.00
42 M	Vinyl Acetate	0.572	0.592	-3.5	112	0.00
43	Ethyl Acetate	0.204	0.211	-3.4	107	0.00
44	Isopropyl Acetate	0.452	0.472	-4.4	111	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	127	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.201	0.217	-8.0	118	0.00
47	n-amyl Acetate	0.384	0.001#	99.7#	0#	0.10
48 M	t-1,3-Dichloropropene	0.461	0.451	2.2	110	0.00
49 T	cis-1,3-Dichloropropene	0.497	0.512	-3.0	114	0.00
50 M	1,1,2-Trichloroethane	0.288	0.289	-0.3	116	0.00
51	Ethyl methacrylate	0.367	0.362	1.4	112	0.00
52	1,3-Dichloropropane	0.459	0.461	-0.4	112	0.00
53 M	Dibromochloromethane	0.379	0.358	5.5	112	0.00
54 M	1,2-Dibromoethane	0.302	0.292	3.3	112	0.00
55 M	2-Chloroethyl vinyl ether	0.152	0.154	-1.3	114	0.00
56 M	Bromoform	0.271	0.234	13.7	109	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	0.246	0.274	-11.4	115	0.00
59 M	2-Hexanone	0.167	0.187	-12.0	116	0.00
60 S	4-Bromofluorobenzene	0.458	0.420	8.3	103	0.00
61 M	Tetrachloroethene	0.353	0.366	-3.7	107	0.00
62 M	Toluene	1.520	1.621	-6.6	112	0.00
63 S	Toluene-d8	1.332	1.379	-3.5	105	0.00
64 M	Chlorobenzene	0.975	1.006	-3.2	111	0.00
65	1,1,1,2-Tetrachloroethane	0.397	0.397	0.0	109	0.00
66 M	Ethyl Benzene	1.709	1.749	-2.3	110	0.00
67 M	m/p-Xylenes	0.684	0.696	-1.8	111	0.00
68 M	o-Xylene	0.674	0.677	-0.4	109	0.00
69 M	Styrene	1.076	1.050	2.4	110	0.00
70	Isopropylbenzene	1.812	1.818	-0.3	112	0.00
71 M	1,1,2,2-Tetrachloroethane	0.378	0.390	-3.2	113	0.00
72	1,2,3-Trichloropropane	0.302	0.481	-59.3#	168#	0.00
73	Bromobenzene	0.436	0.428	1.8	113	0.00
74	n-propylbenzene	1.995	2.006	-0.6	112	0.00
75	2-Chlorotoluene	1.166	1.152	1.2	110	0.00
76	1,3,5-Trimethylbenzene	1.538	1.507	2.0	109	0.00
77	t-1,4-Dichloro-2-butene	0.113	0.114	-0.9	118	0.00
78	4-Chlorotoluene	1.168	1.151	1.5	112	0.00
79	tert-butylbenzene	1.383	1.357	1.9	111	0.00
80	1,2,4-Trimethylbenzene	1.529	1.514	1.0	112	0.00
81	sec-Butylbenzene	1.850	1.839	0.6	110	0.00
82	p-Isopropyltoluene	1.630	1.613	1.0	112	0.00
83 M	1,3-Dichlorobenzene	0.779	0.767	1.5	116	0.00
84 M	1,4-Dichlorobenzene	0.745	0.704	5.5	113	0.00
85	n-Butylbenzene	1.288	1.282	0.5	113	0.00
86 T	Hexachloroethane	0.322	0.318	1.2	111	0.00
87 M	1,2-Dichlorobenzene	0.764	0.730	4.5	112	0.00
88	1,2-Dibromo-3-Chloropropane	0.062	0.066	-6.5	120	0.00
89	1,2,4-Trichlorobenzene	0.337	0.358	-6.2	131	0.00
90	Hexachlorobutadiene	0.232	0.267	-15.1	126	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.721	0.785	-8.9	136	0.00
92	1,2,3-Trichlorobenzene	0.329	0.380	-15.5	135	0.00

(#) = Out of Range

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