

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101218\
 Data File : VN051828.D
 Acq On : 12 Oct 2018 11:41
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Quant Time: Oct 12 16:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 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	99	0.00
2 M	Dichlorodifluoromethane	1.166	1.158	0.7	100	0.00
3 M	Chloromethane	1.232	1.280	-3.9	100	0.00
4 M	Vinyl Chloride	1.840	1.929	-4.8	98	0.00
5 M	Bromomethane	1.625	1.778	-9.4	108	0.00
6 M	Chloroethane	1.326	1.418	-6.9	100	0.00
7 M	Trichlorofluoromethane	2.623	2.906	-10.8	118	0.00
8 T	Diethyl Ether	0.763	0.802	-5.1	101	0.00
9	1,1,2-Trichlorotrifluoroeth	1.494	1.629	-9.0	104	0.00
10 M	1,1-Dichloroethene	1.381	1.447	-4.8	100	0.00
11	Methyl Iodide	2.008	1.856	7.6	94	0.00
12	Methyl Acetate	0.858	0.885	-3.1	98	0.00
13 M	Acrolein	0.057	0.050#	12.3	88	0.00
14 M	Acrylonitrile	0.383	0.393	-2.6	100	0.00
15 M	Acetone	0.095	0.099	-4.2	97	0.00
16 M	Carbon Disulfide	3.627	3.681	-1.5	101	0.00
17	Allyl chloride	1.640	1.673	-2.0	96	0.00
18 M	Methylene Chloride	1.544	1.590	-3.0	99	0.00
19 M	trans-1,2-Dichloroethene	1.577	1.621	-2.8	99	0.00
20 T	Diisopropyl ether	3.652	3.771	-3.3	99	0.00
21 M	1,1-Dichloroethane	2.552	2.599	-1.8	97	0.00
22 M	cis-1,2-Dichloroethene	1.852	1.894	-2.3	101	0.00
23 M	tert-Butyl Alcohol	0.101	0.100	1.0	98	0.00
24 M	Methyl tert-Butyl Ether	3.979	4.160	-4.5	102	0.00
25 M	Chloroform	3.027	3.111	-2.8	98	0.00
26	Cyclohexane	2.163	2.254	-4.2	100	0.00
27 s	1,2-Dichloroethane-d4	1.825	1.858	-1.8	96	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.387	0.390	-0.8	100	0.00
30 M	2-Butanone	0.081	0.079	2.5	96	0.00
31	2,2-Dichloropropane	0.455	0.466	-2.4	101	0.00
32 M	1,1,1-Trichloroethane	0.513	0.511	0.4	101	0.00
33 M	Carbon Tetrachloride	0.464	0.452	2.6	98	0.00
34 M	Benzene	1.144	1.141	0.3	99	0.00
35	Methacrylonitrile	0.106	0.123	-16.0	120	0.00
36 M	1,2-Dichloroethane	0.367	0.374	-1.9	101	0.00
37 M	Trichloroethene	0.355	0.352	0.8	99	0.00
38	Methylcyclohexane	0.496	0.504	-1.6	101	0.00
39 M	1,2-Dichloropropane	0.269	0.268	0.4	97	0.00
40	Dibromomethane	0.200	0.194	3.0	99	0.00
41 M	Bromodichloromethane	0.413	0.402	2.7	97	0.00
42 M	Vinyl Acetate	0.455	0.453	0.4	98	0.00
43	Ethyl Acetate	0.176	0.172	2.3	94	0.00
44	Isopropyl Acetate	0.351	0.343	2.3	96	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	105	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.162	0.159	1.9	97	0.00
47	n-amyl Acetate	0.293	0.270	7.8	99	0.00
48 M	t-1,3-Dichloropropene	0.403	0.376	6.7	97	0.00
49 T	cis-1,3-Dichloropropene	0.444	0.431	2.9	98	0.00
50 M	1,1,2-Trichloroethane	0.276	0.269	2.5	97	0.00
51	Ethyl methacrylate	0.316	0.308	2.5	99	0.00
52	1,3-Dichloropropane	0.426	0.418	1.9	97	0.00
53 M	Dibromochloromethane	0.342	0.314	8.2	98	0.00
54 M	1,2-Dibromoethane	0.290	0.274	5.5	98	0.00
55 M	2-Chloroethyl vinyl ether	0.135	0.137	-1.5	102	0.00
56 M	Bromoform	0.225	0.190	15.6	97	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	0.201	0.208	-3.5	100	0.00
59 M	2-Hexanone	0.135	0.139	-3.0	102	0.00
60 S	4-Bromofluorobenzene	0.433	0.420	3.0	97	0.00
61 M	Tetrachloroethene	0.384	0.385	-0.3	96	0.00
62 M	Toluene	1.490	1.523	-2.2	99	0.00
63 S	Toluene-d8	1.303	1.309	-0.5	96	0.00
64 M	Chlorobenzene	0.976	0.974	0.2	99	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.373	0.5	98	0.00
66 M	Ethyl Benzene	1.647	1.677	-1.8	99	0.00
67 M	m/p-Xylenes	0.668	0.670	-0.3	99	0.00
68 M	o-Xylene	0.658	0.648	1.5	98	0.00
69 M	Styrene	1.010	0.979	3.1	100	0.00
70	Isopropylbenzene	1.756	1.766	-0.6	101	0.00
71 M	1,1,2,2-Tetrachloroethane	0.347	0.349	-0.6	99	0.00
72	1,2,3-Trichloropropane	0.273	0.252	7.7	95	0.00
73	Bromobenzene	0.435	0.421	3.2	101	0.00
74	n-propylbenzene	1.888	1.883	0.3	101	0.00
75	2-Chlorotoluene	1.107	1.101	0.5	99	0.00
76	1,3,5-Trimethylbenzene	1.452	1.434	1.2	100	0.00
77	t-1,4-Dichloro-2-butene	0.090	0.078	13.3	96	0.00
78	4-Chlorotoluene	1.088	1.058	2.8	99	0.00
79	tert-butylbenzene	1.335	1.304	2.3	98	0.00
80	1,2,4-Trimethylbenzene	1.451	1.431	1.4	99	0.00
81	sec-Butylbenzene	1.746	1.744	0.1	100	0.00
82	p-Isopropyltoluene	1.563	1.508	3.5	100	0.00
83 M	1,3-Dichlorobenzene	0.767	0.720	6.1	100	0.00
84 M	1,4-Dichlorobenzene	0.722	0.672	6.9	102	0.00
85	n-Butylbenzene	1.178	1.168	0.8	103	0.00
86 T	Hexachloroethane	0.269	0.253	5.9	100	0.00
87 M	1,2-Dichlorobenzene	0.743	0.714	3.9	101	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.048#	7.7	96	0.00
89	1,2,4-Trichlorobenzene	0.346	0.299	13.6	106	0.00
90	Hexachlorobutadiene	0.239	0.238	0.4	100	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.704	0.572	18.8	106	0.00
92	1,2,3-Trichlorobenzene	0.338	0.311	8.0	107	0.00

(#) = Out of Range

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