

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101518\
 Data File : VN051862.D
 Acq On : 15 Oct 2018 9:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 16 00:50:47 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	112	0.00
2 M	Dichlorodifluoromethane	1.166	1.237	-6.1	121	0.00
3 M	Chloromethane	1.232	1.156	6.2	102	0.00
4 M	Vinyl Chloride	1.840	1.701	7.6	98	0.00
5 M	Bromomethane	1.625	1.491	8.2	103	0.00
6 M	Chloroethane	1.326	1.221	7.9	97	0.00
7 M	Trichlorofluoromethane	2.623	2.739	-4.4	126	0.00
8 T	Diethyl Ether	0.763	0.779	-2.1	111	0.00
9	1,1,2-Trichlorotrifluoroeth	1.494	1.600	-7.1	116	0.00
10 M	1,1-Dichloroethene	1.381	1.418	-2.7	111	0.00
11	Methyl Iodide	2.008	1.885	6.1	108	0.00
12	Methyl Acetate	0.858	0.913	-6.4	114	0.00
13 M	Acrolein	0.057	0.045#	21.1	91	0.00
14 M	Acrylonitrile	0.383	0.377	1.6	109	0.00
15 M	Acetone	0.095	0.097	-2.1	108	0.00
16 M	Carbon Disulfide	3.627	3.667	-1.1	114	0.00
17	Allyl chloride	1.640	1.519	7.4	99	0.00
18 M	Methylene Chloride	1.544	1.560	-1.0	110	0.00
19 M	trans-1,2-Dichloroethene	1.577	1.538	2.5	106	0.00
20 T	Diisopropyl ether	3.652	3.588	1.8	106	0.00
21 M	1,1-Dichloroethane	2.552	2.537	0.6	107	0.00
22 M	cis-1,2-Dichloroethene	1.852	1.811	2.2	109	0.00
23 M	tert-Butyl Alcohol	0.101	0.100	1.0	112	0.00
24 M	Methyl tert-Butyl Ether	3.979	3.978	0.0	110	0.00
25 M	Chloroform	3.027	3.009	0.6	108	0.00
26	Cyclohexane	2.163	2.060	4.8	103	0.00
27 s	1,2-Dichloroethane-d4	1.825	1.824	0.1	107	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	112	0.00
29	1,1-Dichloropropene	0.387	0.373	3.6	108	0.00
30 M	2-Butanone	0.081	0.077	4.9	105	0.00
31	2,2-Dichloropropane	0.455	0.462	-1.5	112	0.00
32 M	1,1,1-Trichloroethane	0.513	0.504	1.8	111	0.00
33 M	Carbon Tetrachloride	0.464	0.459	1.1	111	0.00
34 M	Benzene	1.144	1.126	1.6	109	0.00
35	Methacrylonitrile	0.106	0.081	23.6	88	-0.02
36 M	1,2-Dichloroethane	0.367	0.348	5.2	106	0.00
37 M	Trichloroethene	0.355	0.345	2.8	108	0.00
38	Methylcyclohexane	0.496	0.488	1.6	110	0.00
39 M	1,2-Dichloropropane	0.269	0.262	2.6	106	0.00
40	Dibromomethane	0.200	0.193	3.5	110	0.00
41 M	Bromodichloromethane	0.413	0.399	3.4	108	0.00
42 M	Vinyl Acetate	0.455	0.433	4.8	105	0.00
43	Ethyl Acetate	0.176	0.170	3.4	105	0.00
44	Isopropyl Acetate	0.351	0.345	1.7	108	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	110	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.162	0.153	5.6	105	0.00
47	n-amyl Acetate	0.293	0.255	13.0	105	0.00
48 M	t-1,3-Dichloropropene	0.403	0.373	7.4	108	0.00
49 T	cis-1,3-Dichloropropene	0.444	0.435	2.0	111	0.00
50 M	1,1,2-Trichloroethane	0.276	0.265	4.0	107	0.00
51	Ethyl methacrylate	0.316	0.297	6.0	107	0.00
52	1,3-Dichloropropane	0.426	0.412	3.3	107	0.00
53 M	Dibromochloromethane	0.342	0.323	5.6	112	0.00
54 M	1,2-Dibromoethane	0.290	0.272	6.2	109	0.00
55 M	2-Chloroethyl vinyl ether	0.135	0.135	0.0	113	0.00
56 M	Bromoform	0.225	0.200	11.1	115	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
58 M	4-Methyl-2-Pentanone	0.201	0.203	-1.0	108	0.00
59 M	2-Hexanone	0.135	0.134	0.7	109	0.00
60 S	4-Bromofluorobenzene	0.433	0.422	2.5	109	0.00
61 M	Tetrachloroethene	0.384	0.407	-6.0	113	0.00
62 M	Toluene	1.490	1.503	-0.9	109	0.00
63 S	Toluene-d8	1.303	1.344	-3.1	109	0.00
64 M	Chlorobenzene	0.976	0.964	1.2	109	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.372	0.8	108	0.00
66 M	Ethyl Benzene	1.647	1.612	2.1	106	0.00
67 M	m/p-Xylenes	0.668	0.647	3.1	106	0.00
68 M	o-Xylene	0.658	0.639	2.9	107	0.00
69 M	Styrene	1.010	0.945	6.4	107	0.00
70	Isopropylbenzene	1.756	1.705	2.9	108	0.00
71 M	1,1,2,2-Tetrachloroethane	0.347	0.328	5.5	103	0.00
72	1,2,3-Trichloropropane	0.273	0.323	-18.3	135	0.00
73	Bromobenzene	0.435	0.408	6.2	108	0.00
74	n-propylbenzene	1.888	1.808	4.2	107	0.00
75	2-Chlorotoluene	1.107	1.068	3.5	107	0.00
76	1,3,5-Trimethylbenzene	1.452	1.381	4.9	106	0.00
77	t-1,4-Dichloro-2-butene	0.090	0.085	5.6	116	0.00
78	4-Chlorotoluene	1.088	1.020	6.3	106	0.00
79	tert-butylbenzene	1.335	1.276	4.4	106	0.00
80	1,2,4-Trimethylbenzene	1.451	1.368	5.7	105	0.00
81	sec-Butylbenzene	1.746	1.653	5.3	105	0.00
82	p-Isopropyltoluene	1.563	1.461	6.5	107	0.00
83 M	1,3-Dichlorobenzene	0.767	0.687	10.4	106	0.00
84 M	1,4-Dichlorobenzene	0.722	0.642	11.1	107	0.00
85	n-Butylbenzene	1.178	1.105	6.2	108	0.00
86 T	Hexachloroethane	0.269	0.258	4.1	113	0.00
87 M	1,2-Dichlorobenzene	0.743	0.676	9.0	106	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.047#	9.6	103	0.00
89	1,2,4-Trichlorobenzene	0.346	0.267	22.8	105	0.00
90	Hexachlorobutadiene	0.239	0.231	3.3	108	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.704	0.486	31.0#	100	0.00
92	1,2,3-Trichlorobenzene	0.338	0.280	17.2	107	0.00

(#) = Out of Range

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