

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
 Data File : VN052113.D
 Acq On : 1 Nov 2018 19:49
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 02 07:42:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 01 10:27:53 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	94	0.00
2 M	Dichlorodifluoromethane	2.004	1.916	4.4	88	0.00
3 M	Chloromethane	2.290	2.277	0.6	90	0.00
4 M	Vinyl Chloride	2.246	2.301	-2.4	91	0.00
5 M	Bromomethane	1.533	1.499	2.2	92	0.00
6 M	Chloroethane	1.436	1.415	1.5	91	0.00
7 M	Trichlorofluoromethane	3.042	2.960	2.7	90	0.00
8 T	Diethyl Ether	1.027	1.042	-1.5	93	0.00
9	1,1,2-Trichlorotrifluoroeth	1.778	1.740	2.1	93	0.00
10 M	1,1-Dichloroethene	1.659	1.655	0.2	96	0.00
11	Methyl Iodide	2.399	2.175	9.3	90	0.00
12	Methyl Acetate	1.396	1.593	-14.1	106	0.00
13 M	Acrolein	0.148	0.169	-14.2	110	0.00
14 M	Acrylonitrile	0.619	0.650	-5.0	96	0.00
15 M	Acetone	0.146	0.147	-0.7	90	0.00
16 M	Carbon Disulfide	4.899	4.392	10.3	87	0.00
17	Allyl chloride	2.817	2.765	1.8	93	0.00
18 M	Methylene Chloride	2.048	1.938	5.4	89	0.00
19 M	trans-1,2-Dichloroethene	1.818	1.807	0.6	94	0.00
20 T	Diisopropyl ether	6.121	6.151	-0.5	93	0.00
21 M	1,1-Dichloroethane	3.577	3.450	3.6	89	0.00
22 M	cis-1,2-Dichloroethene	2.123	2.163	-1.9	95	0.00
23 M	tert-Butyl Alcohol	0.096	0.128	-33.3#	105	0.00
24 M	Methyl tert-Butyl Ether	4.703	4.838	-2.9	94	0.00
25 M	Chloroform	3.592	3.579	0.4	91	0.00
26	Cyclohexane	3.207	3.040	5.2	91	0.00
27 s	1,2-Dichloroethane-d4	2.227	2.365	-6.2	95	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
29	1,1-Dichloropropene	0.476	0.451	5.3	90	0.00
30 M	2-Butanone	0.127	0.130	-2.4	94	0.00
31	2,2-Dichloropropane	0.491	0.382	22.2	75	0.00
32 M	1,1,1-Trichloroethane	0.533	0.517	3.0	95	0.00
33 M	Carbon Tetrachloride	0.474	0.421	11.2	88	0.00
34 M	Benzene	1.395	1.361	2.4	93	0.00
35	Methacrylonitrile	0.174	0.167	4.0	85	-0.02
36 M	1,2-Dichloroethane	0.466	0.453	2.8	93	0.00
37 M	Trichloroethene	0.349	0.325	6.9	94	0.00
38	Methylcyclohexane	0.581	0.512	11.9	86	0.00
39 M	1,2-Dichloropropane	0.371	0.355	4.3	89	0.00
40	Dibromomethane	0.229	0.226	1.3	94	0.00
41 M	Bromodichloromethane	0.468	0.437	6.6	90	0.00
42 M	Vinyl Acetate	0.743	0.741	0.3	94	0.00
43	Ethyl Acetate	0.637	0.661	-3.8	95	0.00
44	Isopropyl Acetate	0.528	0.574	-8.7	104	0.00
45 T	1,4-Dioxane	0.002	0.003#	-50.0#	95	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.263	0.271	-3.0	95	0.00
47	n-amyl Acetate	0.478	0.002#	99.6#	0#	-0.10
48 M	t-1,3-Dichloropropene	0.465	0.432	7.1	91	0.00
49 T	cis-1,3-Dichloropropene	0.537	0.495	7.8	88	0.00
50 M	1,1,2-Trichloroethane	0.303	0.292	3.6	93	0.00
51	Ethyl methacrylate	0.391	0.386	1.3	96	0.00
52	1,3-Dichloropropane	0.527	0.533	-1.1	97	0.00
53 M	Dibromochloromethane	0.327	0.296	9.5	90	0.00
54 M	1,2-Dibromoethane	0.307	0.303	1.3	98	0.00
55 M	2-Chloroethyl vinyl ether	0.214	0.224	-4.7	97	0.00
56 M	Bromoform	0.189	0.163	13.8	90	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
58 M	4-Methyl-2-Pentanone	0.321	0.350	-9.0	98	0.00
59 M	2-Hexanone	0.221	0.234	-5.9	95	0.00
60 S	4-Bromofluorobenzene	0.480	0.476	0.8	93	0.00
61 M	Tetrachloroethene	0.326	0.300	8.0	90	0.00
62 M	Toluene	1.684	1.669	0.9	92	0.00
63 S	Toluene-d8	1.411	1.425	-1.0	93	0.00
64 M	Chlorobenzene	1.067	1.031	3.4	93	0.00
65	1,1,1,2-Tetrachloroethane	0.363	0.344	5.2	91	0.00
66 M	Ethyl Benzene	1.819	1.732	4.8	91	0.00
67 M	m/p-Xylenes	0.700	0.667	4.7	91	0.00
68 M	o-Xylene	0.668	0.645	3.4	92	0.00
69 M	Styrene	1.076	1.031	4.2	90	0.00
70	Isopropylbenzene	1.792	1.700	5.1	92	0.00
71 M	1,1,2,2-Tetrachloroethane	0.394	0.424	-7.6	101	0.00
72	1,2,3-Trichloropropane	0.347	0.392	-13.0	103	0.00
73	Bromobenzene	0.397	0.383	3.5	96	0.00
74	n-propylbenzene	2.087	1.944	6.9	90	0.00
75	2-Chlorotoluene	1.203	1.153	4.2	91	0.00
76	1,3,5-Trimethylbenzene	1.437	1.345	6.4	90	0.00
77	t-1,4-Dichloro-2-butene	0.108	0.091	15.7	89	0.00
78	4-Chlorotoluene	1.212	1.148	5.3	91	0.00
79	tert-butylbenzene	1.252	1.187	5.2	89	0.00
80	1,2,4-Trimethylbenzene	1.432	1.384	3.4	91	0.00
81	sec-Butylbenzene	1.723	1.581	8.2	88	0.00
82	p-Isopropyltoluene	1.456	1.318	9.5	88	0.00
83 M	1,3-Dichlorobenzene	0.703	0.657	6.5	92	0.00
84 M	1,4-Dichlorobenzene	0.695	0.635	8.6	92	0.00
85	n-Butylbenzene	1.260	1.080	14.3	85	0.00
86 T	Hexachloroethane	0.246	0.213	13.4	86	0.00
87 M	1,2-Dichlorobenzene	0.667	0.620	7.0	91	0.00
88	1,2-Dibromo-3-Chloropropane	0.054	0.060	-11.1	100	0.00
89	1,2,4-Trichlorobenzene	0.271	0.241	11.1	89	0.00
90	Hexachlorobutadiene	0.148	0.124	16.2	83	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.625	0.617	1.3	97	0.00
92	1,2,3-Trichlorobenzene	0.236	0.211	10.6	91	0.00

(#) = Out of Range

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