

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN111618\
 Data File : VN052352.D
 Acq On : 16 Nov 2018 8:52
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 16 23:01:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 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	77	0.00
2 M	Dichlorodifluoromethane	2.004	2.409	-20.2	90	0.00
3 M	Chloromethane	2.290	2.623	-14.5	85	0.00
4 M	Vinyl Chloride	2.246	2.287	-1.8	74	0.00
5 M	Bromomethane	1.533	1.368	10.8	68	0.00
6 M	Chloroethane	1.436	1.275	11.2	67	0.00
7 M	Trichlorofluoromethane	3.042	3.243	-6.6	81	0.00
8 T	Diethyl Ether	1.027	1.133	-10.3	83	0.00
9	1,1,2-Trichlorotrifluoroeth	1.778	2.042	-14.8	89	0.00
10 M	1,1-Dichloroethene	1.659	1.684	-1.5	79	0.00
11	Methyl Iodide	2.399	2.439	-1.7	83	0.00
12	Methyl Acetate	1.396	1.883	-34.9#	102	0.00
13 M	Acrolein	0.148	0.176	-18.9	93	0.00
14 M	Acrylonitrile	0.619	0.675	-9.0	81	0.00
15 M	Acetone	0.146	0.204	-39.7#	102	0.00
16 M	Carbon Disulfide	4.899	4.329	11.6	70	0.00
17	Allyl chloride	2.817	3.375	-19.8	93	0.00
18 M	Methylene Chloride	2.048	2.134	-4.2	80	0.00
19 M	trans-1,2-Dichloroethene	1.818	1.831	-0.7	77	0.00
20 T	Diisopropyl ether	6.121	7.721	-26.1	95	0.00
21 M	1,1-Dichloroethane	3.577	4.024	-12.5	84	0.00
22 M	cis-1,2-Dichloroethene	2.123	2.202	-3.7	79	0.00
23 M	tert-Butyl Alcohol	0.096	0.093	3.1	62	0.00
24 M	Methyl tert-Butyl Ether	4.703	5.165	-9.8	82	0.00
25 M	Chloroform	3.592	4.259	-18.6	89	0.00
26	Cyclohexane	3.207	3.457	-7.8	84	0.00
27 s	1,2-Dichloroethane-d4	2.227	2.490	-11.8	81	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	79	0.00
29	1,1-Dichloropropene	0.476	0.486	-2.1	79	0.00
30 M	2-Butanone	0.127	0.161	-26.8	94	0.00
31	2,2-Dichloropropane	0.491	0.521	-6.1	84	0.00
32 M	1,1,1-Trichloroethane	0.533	0.567	-6.4	85	0.00
33 M	Carbon Tetrachloride	0.474	0.479	-1.1	82	0.00
34 M	Benzene	1.395	1.428	-2.4	80	0.00
35	Methacrylonitrile	0.174	0.186	-6.9	77	-0.03
36 M	1,2-Dichloroethane	0.466	0.528	-13.3	89	0.00
37 M	Trichloroethene	0.349	0.359	-2.9	85	0.00
38	Methylcyclohexane	0.581	0.552	5.0	76	0.00
39 M	1,2-Dichloropropane	0.371	0.403	-8.6	82	0.00
40	Dibromomethane	0.229	0.229	0.0	78	0.00
41 M	Bromodichloromethane	0.468	0.503	-7.5	85	0.00
42 M	Vinyl Acetate	0.743	0.866	-16.6	90	0.00
43	Ethyl Acetate	0.637	0.805	-26.4	94	0.00
44	Isopropyl Acetate	0.528	0.628	-18.9	93	0.00
45 T	1,4-Dioxane	0.002	0.002#	0.0	56	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.263	0.315	-19.8	90	0.00
47	n-amyl Acetate	0.478	0.525	-9.8	88	0.00
48 M	t-1,3-Dichloropropene	0.465	0.487	-4.7	84	0.00
49 T	cis-1,3-Dichloropropene	0.537	0.579	-7.8	84	0.00
50 M	1,1,2-Trichloroethane	0.303	0.311	-2.6	81	0.00
51	Ethyl methacrylate	0.391	0.398	-1.8	80	0.00
52	1,3-Dichloropropane	0.527	0.546	-3.6	81	0.00
53 M	Dibromochloromethane	0.327	0.343	-4.9	85	0.00
54 M	1,2-Dibromoethane	0.307	0.292	4.9	77	0.00
55 M	2-Chloroethyl vinyl ether	0.214	0.226	-5.6	80	0.00
56 M	Bromoform	0.189	0.187	1.1	85	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
58 M	4-Methyl-2-Pentanone	0.321	0.372	-15.9	85	0.00
59 M	2-Hexanone	0.221	0.270	-22.2	90	0.00
60 S	4-Bromofluorobenzene	0.480	0.479	0.2	76	0.00
61 M	Tetrachloroethene	0.326	0.362	-11.0	89	0.00
62 M	Toluene	1.684	1.752	-4.0	79	0.00
63 S	Toluene-d8	1.411	1.413	-0.1	76	0.00
64 M	Chlorobenzene	1.067	1.081	-1.3	80	0.00
65	1,1,1,2-Tetrachloroethane	0.363	0.376	-3.6	81	0.00
66 M	Ethyl Benzene	1.819	1.912	-5.1	83	0.00
67 M	m/p-Xylenes	0.700	0.710	-1.4	80	0.00
68 M	o-Xylene	0.668	0.684	-2.4	80	0.00
69 M	Styrene	1.076	1.109	-3.1	79	0.00
70	Isopropylbenzene	1.792	1.899	-6.0	84	0.00
71 M	1,1,2,2-Tetrachloroethane	0.394	0.415	-5.3	81	0.00
72	1,2,3-Trichloropropane	0.347	0.380	-9.5	82	0.00
73	Bromobenzene	0.397	0.418	-5.3	86	0.00
74	n-propylbenzene	2.087	2.245	-7.6	85	0.00
75	2-Chlorotoluene	1.203	1.287	-7.0	83	0.00
76	1,3,5-Trimethylbenzene	1.437	1.566	-9.0	86	0.00
77	t-1,4-Dichloro-2-butene	0.108	0.105	2.8	85	0.00
78	4-Chlorotoluene	1.212	1.296	-6.9	84	0.00
79	tert-butylbenzene	1.252	1.350	-7.8	83	0.00
80	1,2,4-Trimethylbenzene	1.432	1.556	-8.7	84	0.00
81	sec-Butylbenzene	1.723	1.875	-8.8	86	0.00
82	p-Isopropyltoluene	1.456	1.564	-7.4	86	0.00
83 M	1,3-Dichlorobenzene	0.703	0.772	-9.8	89	0.00
84 M	1,4-Dichlorobenzene	0.695	0.731	-5.2	87	0.00
85	n-Butylbenzene	1.260	1.353	-7.4	87	0.00
86 T	Hexachloroethane	0.246	0.274	-11.4	91	0.00
87 M	1,2-Dichlorobenzene	0.667	0.743	-11.4	90	0.00
88	1,2-Dibromo-3-Chloropropane	0.054	0.057	-5.6	78	0.00
89	1,2,4-Trichlorobenzene	0.271	0.292	-7.7	89	0.00
90	Hexachlorobutadiene	0.148	0.192	-29.7	105	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.625	0.576	7.8	75	0.00
92	1,2,3-Trichlorobenzene	0.236	0.254	-7.6	90	0.00

(#) = Out of Range

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