

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120718\
 Data File : VN052738.D
 Acq On : 7 Dec 2018 20:17
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 07 22:36:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 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	91	0.00
2 M	Dichlorodifluoromethane	1.709	1.459	14.6	75	0.00
3 M	Chloromethane	2.266	1.966	13.2	79	0.00
4 M	Vinyl Chloride	2.287	1.987	13.1	79	0.00
5 M	Bromomethane	1.304	0.698	46.5#	49	0.00
6 M	Chloroethane	1.360	1.219	10.4	81	0.00
7 M	Trichlorofluoromethane	2.823	2.621	7.2	85	0.00
8 T	Diethyl Ether	1.042	1.055	-1.2	95	0.00
9	1,1,2-Trichlorotrifluoroeth	1.789	1.613	9.8	80	0.00
10 M	1,1-Dichloroethene	1.682	1.601	4.8	87	0.00
11	Methyl Iodide	2.336	1.072	54.1#	43	0.00
12	Methyl Acetate	1.429	1.567	-9.7	99	0.00
13 M	Acrolein	0.168	0.043#	74.4#	25	0.00
14 M	Acrylonitrile	0.609	0.643	-5.6	94	0.00
15 M	Acetone	0.158	0.156	1.3	83	0.00
16 M	Carbon Disulfide	5.326	4.549	14.6	78	0.00
17	Allyl chloride	2.934	2.724	7.2	84	0.00
18 M	Methylene Chloride	1.948	1.914	1.7	90	0.00
19 M	trans-1,2-Dichloroethene	1.810	1.714	5.3	87	0.00
20 T	Diisopropyl ether	6.166	5.940	3.7	87	0.00
21 M	1,1-Dichloroethane	3.514	3.353	4.6	88	0.00
22 M	cis-1,2-Dichloroethene	2.075	2.007	3.3	88	0.00
23 M	tert-Butyl Alcohol	0.091	0.112	-23.1	110	0.00
24 M	Methyl tert-Butyl Ether	4.413	4.701	-6.5	97	0.00
25 M	Chloroform	3.390	3.243	4.3	87	0.00
26	Cyclohexane	3.314	2.938	11.3	80	0.00
27 s	1,2-Dichloroethane-d4	2.044	2.002	2.1	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
29	1,1-Dichloropropene	0.458	0.429	6.3	85	0.00
30 M	2-Butanone	0.123	0.129	-4.9	93	0.00
31	2,2-Dichloropropane	0.422	0.396	6.2	87	0.00
32 M	1,1,1-Trichloroethane	0.477	0.465	2.5	90	0.00
33 M	Carbon Tetrachloride	0.417	0.389	6.7	85	0.00
34 M	Benzene	1.377	1.326	3.7	87	0.00
35	Methacrylonitrile	0.152	0.124	18.4	73	0.00
36 M	1,2-Dichloroethane	0.417	0.412	1.2	90	0.00
37 M	Trichloroethene	0.349	0.355	-1.7	93	0.00
38	Methylcyclohexane	0.567	0.503	11.3	79	0.00
39 M	1,2-Dichloropropane	0.369	0.359	2.7	88	0.00
40	Dibromomethane	0.200	0.208	-4.0	94	0.00
41 M	Bromodichloromethane	0.441	0.416	5.7	87	0.00
42 M	Vinyl Acetate	0.663	0.610	8.0	84	0.00
43	Ethyl Acetate	0.261	0.284	-8.8	96	0.00
44	Isopropyl Acetate	0.457	0.533	-16.6	108	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	96	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.237	0.260	-9.7	101	0.00
47	n-amyl Acetate	0.379	0.463	-22.2	117	0.00
48 M	t-1,3-Dichloropropene	0.427	0.415	2.8	93	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.492	5.6	88	0.00
50 M	1,1,2-Trichloroethane	0.283	0.292	-3.2	92	0.00
51	Ethyl methacrylate	0.355	0.391	-10.1	104	0.00
52	1,3-Dichloropropane	0.503	0.511	-1.6	92	0.00
53 M	Dibromochloromethane	0.311	0.304	2.3	89	0.00
54 M	1,2-Dibromoethane	0.276	0.292	-5.8	96	0.00
55 M	2-Chloroethyl vinyl ether	0.208	0.229	-10.1	99	0.00
56 M	Bromoform	0.204	0.194	4.9	89	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	0.291	0.324	-11.3	100	0.00
59 M	2-Hexanone	0.199	0.220	-10.6	98	0.00
60 S	4-Bromofluorobenzene	0.459	0.466	-1.5	94	0.00
61 M	Tetrachloroethene	0.369	0.436	-18.2	106	0.00
62 M	Toluene	1.654	1.585	4.2	87	0.00
63 S	Toluene-d8	1.391	1.346	3.2	88	0.00
64 M	Chlorobenzene	1.009	0.989	2.0	91	0.00
65	1,1,1,2-Tetrachloroethane	0.350	0.343	2.0	92	0.00
66 M	Ethyl Benzene	1.782	1.703	4.4	88	0.00
67 M	m/p-Xylenes	0.664	0.646	2.7	89	0.00
68 M	o-Xylene	0.645	0.636	1.4	91	0.00
69 M	Styrene	1.040	1.029	1.1	91	0.00
70	Isopropylbenzene	1.715	1.680	2.0	90	0.00
71 M	1,1,2,2-Tetrachloroethane	0.373	0.383	-2.7	93	0.00
72	1,2,3-Trichloropropane	0.320	0.343	-7.2	104	0.00
73	Bromobenzene	0.415	0.433	-4.3	97	0.00
74	n-propylbenzene	1.998	1.938	3.0	88	0.00
75	2-Chlorotoluene	1.160	1.140	1.7	89	0.00
76	1,3,5-Trimethylbenzene	1.385	1.378	0.5	90	0.00
77	t-1,4-Dichloro-2-butene	0.101	0.101	0.0	97	0.00
78	4-Chlorotoluene	1.158	1.155	0.3	91	0.00
79	tert-butylbenzene	1.206	1.210	-0.3	91	0.00
80	1,2,4-Trimethylbenzene	1.386	1.394	-0.6	91	0.00
81	sec-Butylbenzene	1.680	1.654	1.5	90	0.00
82	p-Isopropyltoluene	1.431	1.425	0.4	91	0.00
83 M	1,3-Dichlorobenzene	0.729	0.761	-4.4	97	0.00
84 M	1,4-Dichlorobenzene	0.705	0.752	-6.7	99	0.00
85	n-Butylbenzene	1.229	1.222	0.6	92	0.00
86 T	Hexachloroethane	0.242	0.205	15.3	79	0.00
87 M	1,2-Dichlorobenzene	0.694	0.744	-7.2	98	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.062	-19.2	112	0.00
89	1,2,4-Trichlorobenzene	0.342	0.452	-32.2#	127	0.00
90	Hexachlorobutadiene	0.224	0.237	-5.8	91	0.00

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91 M	Naphthalene	0.691	1.019	-47.5#	141	0.00
92	1,2,3-Trichlorobenzene	0.315	0.421	-33.7#	126	0.00

(#) = Out of Range

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