

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN102418\
 Data File : VN051978.D
 Acq On : 24 Oct 2018 10:38
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 24 14:48:23 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	115	0.00
2 M	Dichlorodifluoromethane	1.166	1.158	0.7	116	0.00
3 M	Chloromethane	1.232	1.014	17.7	92	0.00
4 M	Vinyl Chloride	1.840	1.330	27.7	79	0.00
5 M	Bromomethane	1.625	1.307	19.6	93	0.00
6 M	Chloroethane	1.326	0.978	26.2	80	0.00
7 M	Trichlorofluoromethane	2.623	2.378	9.3	112	0.01
8 T	Diethyl Ether	0.763	0.718	5.9	105	0.00
9	1,1,2-Trichlorotrifluoroeth	1.494	1.456	2.5	108	0.00
10 M	1,1-Dichloroethene	1.381	1.321	4.3	106	0.00
11	Methyl Iodide	2.008	2.229	-11.0	132	0.00
12	Methyl Acetate	0.858	0.834	2.8	107	0.00
13 M	Acrolein	0.057	0.023#	59.6#	47	0.00
14 M	Acrylonitrile	0.383	0.350	8.6	104	0.00
15 M	Acetone	0.095	0.087	8.4	99	0.00
16 M	Carbon Disulfide	3.627	2.980	17.8	95	0.00
17	Allyl chloride	1.640	1.218	25.7	81	0.00
18 M	Methylene Chloride	1.544	1.485	3.8	107	0.00
19 M	trans-1,2-Dichloroethene	1.577	1.468	6.9	104	0.00
20 T	Diisopropyl ether	3.652	3.150	13.7	96	0.00
21 M	1,1-Dichloroethane	2.552	2.279	10.7	99	0.00
22 M	cis-1,2-Dichloroethene	1.852	1.750	5.5	108	0.00
23 M	tert-Butyl Alcohol	0.101	0.075	25.7	86	0.00
24 M	Methyl tert-Butyl Ether	3.979	3.469	12.8	99	0.00
25 M	Chloroform	3.027	2.809	7.2	103	0.00
26	Cyclohexane	2.163	1.779	17.8	92	0.00
27 s	1,2-Dichloroethane-d4	1.825	1.752	4.0	105	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	113	0.00
29	1,1-Dichloropropene	0.387	0.342	11.6	100	0.00
30 M	2-Butanone	0.081	0.071	12.3	97	0.00
31	2,2-Dichloropropane	0.455	0.380	16.5	93	0.00
32 M	1,1,1-Trichloroethane	0.513	0.457	10.9	102	0.00
33 M	Carbon Tetrachloride	0.464	0.401	13.6	98	0.00
34 M	Benzene	1.144	1.045	8.7	102	0.00
35	Methacrylonitrile	0.106	0.067	36.8#	74	-0.02
36 M	1,2-Dichloroethane	0.367	0.334	9.0	102	0.00
37 M	Trichloroethene	0.355	0.334	5.9	106	0.00
38	Methylcyclohexane	0.496	0.418	15.7	95	0.00
39 M	1,2-Dichloropropane	0.269	0.241	10.4	99	0.00
40	Dibromomethane	0.200	0.192	4.0	111	0.00
41 M	Bromodichloromethane	0.413	0.351	15.0	96	0.00
42 M	Vinyl Acetate	0.455	0.377	17.1	93	0.00
43	Ethyl Acetate	0.176	0.150	14.8	93	0.00
44	Isopropyl Acetate	0.351	0.287	18.2	91	0.00
45 T	1,4-Dioxane	0.003	0.002#	33.3#	88	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.162	0.139	14.2	96	0.00
47	n-amyl Acetate	0.293	0.256	12.6	106	0.00
48 M	t-1,3-Dichloropropene	0.403	0.322	20.1	94	0.00
49 T	cis-1,3-Dichloropropene	0.444	0.383	13.7	99	0.00
50 M	1,1,2-Trichloroethane	0.276	0.258	6.5	105	0.00
51	Ethyl methacrylate	0.316	0.277	12.3	101	0.00
52	1,3-Dichloropropane	0.426	0.389	8.7	102	0.00
53 M	Dibromochloromethane	0.342	0.283	17.3	100	0.00
54 M	1,2-Dibromoethane	0.290	0.274	5.5	111	0.00
55 M	2-Chloroethyl vinyl ether	0.135	0.164	-21.5	138	0.00
56 M	Bromoform	0.225	0.167	25.8	97	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	113	0.00
58 M	4-Methyl-2-Pentanone	0.201	0.180	10.4	99	0.00
59 M	2-Hexanone	0.135	0.127	5.9	107	0.00
60 S	4-Bromofluorobenzene	0.433	0.430	0.7	115	0.00
61 M	Tetrachloroethene	0.384	0.350	8.9	101	0.00
62 M	Toluene	1.490	1.394	6.4	105	0.00
63 S	Toluene-d8	1.303	1.291	0.9	109	0.00
64 M	Chlorobenzene	0.976	0.941	3.6	111	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.346	7.7	105	0.00
66 M	Ethyl Benzene	1.647	1.519	7.8	104	0.00
67 M	m/p-Xylenes	0.668	0.611	8.5	105	0.00
68 M	o-Xylene	0.658	0.601	8.7	105	0.00
69 M	Styrene	1.010	0.940	6.9	111	0.00
70	Isopropylbenzene	1.756	1.581	10.0	104	0.00
71 M	1,1,2,2-Tetrachloroethane	0.347	0.324	6.6	106	0.00
72	1,2,3-Trichloropropane	0.273	0.270	1.1	117	0.00
73	Bromobenzene	0.435	0.424	2.5	117	0.00
74	n-propylbenzene	1.888	1.703	9.8	105	0.00
75	2-Chlorotoluene	1.107	1.001	9.6	104	0.00
76	1,3,5-Trimethylbenzene	1.452	1.281	11.8	103	0.00
77	t-1,4-Dichloro-2-butene	0.090	0.068	24.4	96	0.00
78	4-Chlorotoluene	1.088	1.018	6.4	110	0.00
79	tert-butylbenzene	1.335	1.202	10.0	104	0.00
80	1,2,4-Trimethylbenzene	1.451	1.315	9.4	105	0.00
81	sec-Butylbenzene	1.746	1.576	9.7	104	0.00
82	p-Isopropyltoluene	1.563	1.404	10.2	107	0.00
83 M	1,3-Dichlorobenzene	0.767	0.765	0.3	123	0.00
84 M	1,4-Dichlorobenzene	0.722	0.741	-2.6	129	0.00
85	n-Butylbenzene	1.178	1.082	8.1	111	0.00
86 T	Hexachloroethane	0.269	0.198	26.4	90	0.00
87 M	1,2-Dichlorobenzene	0.743	0.737	0.8	121	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.041#	21.2	94	0.00
89	1,2,4-Trichlorobenzene	0.346	0.364	-5.2	149	0.00
90	Hexachlorobutadiene	0.239	0.212	11.3	103	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.704	0.730	-3.7	157#	0.00
92	1,2,3-Trichlorobenzene	0.338	0.321	5.0	128	0.00

(#) = Out of Range

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