

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052492.D
 Acq On : 27 Nov 2018 21:39
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 28 07:10:42 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	111	0.00
2 M	Dichlorodifluoromethane	1.709	1.492	12.7	94	0.00
3 M	Chloromethane	2.266	2.002	11.7	97	0.00
4 M	Vinyl Chloride	2.287	2.106	7.9	101	0.00
5 M	Bromomethane	1.304	1.313	-0.7	112	0.00
6 M	Chloroethane	1.360	1.253	7.9	100	0.00
7 M	Trichlorofluoromethane	2.823	2.619	7.2	103	0.00
8 T	Diethyl Ether	1.042	0.971	6.8	106	0.00
9	1,1,2-Trichlorotrifluoroeth	1.789	1.599	10.6	96	0.00
10 M	1,1-Dichloroethene	1.682	1.582	5.9	105	0.00
11	Methyl Iodide	2.336	2.215	5.2	109	0.00
12	Methyl Acetate	1.429	1.280	10.4	98	0.00
13 M	Acrolein	0.168	0.137	18.5	97	0.00
14 M	Acrylonitrile	0.609	0.558	8.4	99	0.00
15 M	Acetone	0.158	0.128	19.0	82	0.00
16 M	Carbon Disulfide	5.326	4.587	13.9	96	0.00
17	Allyl chloride	2.934	2.639	10.1	99	0.00
18 M	Methylene Chloride	1.948	1.812	7.0	104	0.00
19 M	trans-1,2-Dichloroethene	1.810	1.708	5.6	105	0.00
20 T	Diisopropyl ether	6.166	5.685	7.8	101	0.00
21 M	1,1-Dichloroethane	3.514	3.278	6.7	104	0.00
22 M	cis-1,2-Dichloroethene	2.075	1.962	5.4	104	0.00
23 M	tert-Butyl Alcohol	0.091	0.080	12.1	95	0.00
24 M	Methyl tert-Butyl Ether	4.413	4.288	2.8	107	0.00
25 M	Chloroform	3.390	3.190	5.9	104	0.00
26	Cyclohexane	3.314	2.959	10.7	98	0.00
27 s	1,2-Dichloroethane-d4	2.044	2.001	2.1	108	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	111	0.00
29	1,1-Dichloropropene	0.458	0.422	7.9	103	0.00
30 M	2-Butanone	0.123	0.104	15.4	92	0.00
31	2,2-Dichloropropane	0.422	0.356	15.6	96	0.00
32 M	1,1,1-Trichloroethane	0.477	0.445	6.7	105	0.00
33 M	Carbon Tetrachloride	0.417	0.377	9.6	101	0.00
34 M	Benzene	1.377	1.279	7.1	103	0.00
35	Methacrylonitrile	0.152	0.135	11.2	98	0.00
36 M	1,2-Dichloroethane	0.417	0.384	7.9	103	0.00
37 M	Trichloroethene	0.349	0.326	6.6	105	0.00
38	Methylcyclohexane	0.567	0.500	11.8	97	0.00
39 M	1,2-Dichloropropane	0.369	0.337	8.7	102	0.00
40	Dibromomethane	0.200	0.188	6.0	105	0.00
41 M	Bromodichloromethane	0.441	0.396	10.2	102	0.00
42 M	Vinyl Acetate	0.663	0.594	10.4	101	0.00
43	Ethyl Acetate	0.261	0.241	7.7	100	0.00
44	Isopropyl Acetate	0.457	0.428	6.3	106	0.00
45 T	1,4-Dioxane	0.003	0.002#	33.3#	92	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.237	0.221	6.8	105	0.00
47	n-amyl Acetate	0.379	0.330	12.9	103	0.00
48 M	t-1,3-Dichloropropene	0.427	0.378	11.5	104	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.462	11.3	101	0.00
50 M	1,1,2-Trichloroethane	0.283	0.271	4.2	105	0.00
51	Ethyl methacrylate	0.355	0.327	7.9	107	0.00
52	1,3-Dichloropropane	0.503	0.460	8.5	101	0.00
53 M	Dibromochloromethane	0.311	0.282	9.3	102	0.00
54 M	1,2-Dibromoethane	0.276	0.260	5.8	106	0.00
55 M	2-Chloroethyl vinyl ether	0.208	0.194	6.7	103	0.00
56 M	Bromoform	0.204	0.180	11.8	101	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
58 M	4-Methyl-2-Pentanone	0.291	0.272	6.5	100	0.00
59 M	2-Hexanone	0.199	0.175	12.1	94	0.00
60 S	4-Bromofluorobenzene	0.459	0.454	1.1	109	0.00
61 M	Tetrachloroethene	0.369	0.365	1.1	106	0.00
62 M	Toluene	1.654	1.623	1.9	107	0.00
63 S	Toluene-d8	1.391	1.384	0.5	108	0.00
64 M	Chlorobenzene	1.009	0.964	4.5	105	0.00
65	1,1,1,2-Tetrachloroethane	0.350	0.329	6.0	105	0.00
66 M	Ethyl Benzene	1.782	1.682	5.6	104	0.00
67 M	m/p-Xylenes	0.664	0.641	3.5	105	0.00
68 M	o-Xylene	0.645	0.627	2.8	107	0.00
69 M	Styrene	1.040	0.983	5.5	104	0.00
70	Isopropylbenzene	1.715	1.630	5.0	104	0.00
71 M	1,1,2,2-Tetrachloroethane	0.373	0.355	4.8	102	0.00
72	1,2,3-Trichloropropane	0.320	0.304	5.0	109	0.00
73	Bromobenzene	0.415	0.403	2.9	108	0.00
74	n-propylbenzene	1.998	1.844	7.7	100	0.00
75	2-Chlorotoluene	1.160	1.111	4.2	104	0.00
76	1,3,5-Trimethylbenzene	1.385	1.327	4.2	104	0.00
77	t-1,4-Dichloro-2-butene	0.101	0.085	15.8	97	0.00
78	4-Chlorotoluene	1.158	1.073	7.3	101	0.00
79	tert-butylbenzene	1.206	1.166	3.3	104	0.00
80	1,2,4-Trimethylbenzene	1.386	1.334	3.8	103	0.00
81	sec-Butylbenzene	1.680	1.576	6.2	102	0.00
82	p-Isopropyltoluene	1.431	1.333	6.8	102	0.00
83 M	1,3-Dichlorobenzene	0.729	0.679	6.9	103	0.00
84 M	1,4-Dichlorobenzene	0.705	0.657	6.8	103	0.00
85	n-Butylbenzene	1.229	1.079	12.2	96	0.00
86 T	Hexachloroethane	0.242	0.214	11.6	99	0.00
87 M	1,2-Dichlorobenzene	0.694	0.664	4.3	104	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.050#	3.8	106	0.00
89	1,2,4-Trichlorobenzene	0.342	0.310	9.4	104	0.00
90	Hexachlorobutadiene	0.224	0.213	4.9	98	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.691	0.641	7.2	106	0.00
92	1,2,3-Trichlorobenzene	0.315	0.293	7.0	105	0.00

(#) = Out of Range

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