

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN011819\
 Data File : VN053459.D
 Acq On : 18 Jan 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 18 10:00:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 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	75	0.00
2 M	Dichlorodifluoromethane	1.999	1.598	20.1	59	0.00
3 M	Chloromethane	2.346	2.078	11.4	67	0.00
4 M	Vinyl Chloride	2.309	2.063	10.7	67	0.00
5 M	Bromomethane	1.488	1.382	7.1	72	0.00
6 M	Chloroethane	1.330	1.227	7.7	70	0.00
7 M	Trichlorofluoromethane	2.851	2.825	0.9	75	0.00
8 T	Diethyl Ether	1.059	1.021	3.6	74	0.00
9	1,1,2-Trichlorotrifluoroeth	1.791	1.837	-2.6	78	0.00
10 M	1,1-Dichloroethene	1.748	1.697	2.9	74	0.00
11	Methyl Iodide	2.560	2.553	0.3	77	0.00
12	Methyl Acetate	1.362	1.415	-3.9	84	0.00
13 M	Acrolein	0.163	0.136	16.6	66	0.00
14 M	Acrylonitrile	0.610	0.604	1.0	75	0.00
15 M	Acetone	0.130	0.192	-47.7#	110	0.00
16 M	Carbon Disulfide	5.377	4.910	8.7	71	0.00
17	Allyl chloride	2.750	2.420	12.0	65	0.00
18 M	Methylene Chloride	2.001	1.951	2.5	75	0.00
19 M	trans-1,2-Dichloroethene	1.847	1.788	3.2	74	0.00
20 T	Diisopropyl ether	5.889	5.677	3.6	72	0.00
21 M	1,1-Dichloroethane	3.429	3.360	2.0	75	0.00
22 M	cis-1,2-Dichloroethene	2.081	2.056	1.2	76	0.00
23 M	tert-Butyl Alcohol	0.103	0.106	-2.9	82	0.00
24 M	Methyl tert-Butyl Ether	4.558	4.387	3.8	73	0.00
25 M	Chloroform	3.296	3.337	-1.2	77	0.00
26	Cyclohexane	3.198	3.033	5.2	73	0.00
27 s	1,2-Dichloroethane-d4	1.906	1.888	0.9	74	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
29	1,1-Dichloropropene	0.454	0.463	-2.0	76	0.00
30 M	2-Butanone	0.113	0.136	-20.4	86	0.00
31	2,2-Dichloropropane	0.440	0.445	-1.1	75	0.00
32 M	1,1,1-Trichloroethane	0.476	0.497	-4.4	77	0.00
33 M	Carbon Tetrachloride	0.417	0.440	-5.5	78	0.00
34 M	Benzene	1.366	1.383	-1.2	74	0.00
35	Methacrylonitrile	0.146	0.157	-7.5	77	0.00
36 M	1,2-Dichloroethane	0.396	0.417	-5.3	76	0.00
37 M	Trichloroethene	0.370	0.392	-5.9	78	0.00
38	Methylcyclohexane	0.532	0.566	-6.4	80	0.00
39 M	1,2-Dichloropropane	0.357	0.368	-3.1	76	0.00
40	Dibromomethane	0.202	0.216	-6.9	79	0.00
41 M	Bromodichloromethane	0.433	0.443	-2.3	76	0.00
42 M	Vinyl Acetate	0.619	0.627	-1.3	73	0.00
43	Ethyl Acetate	0.253	0.264	-4.3	74	0.00
44	Isopropyl Acetate	0.472	0.477	-1.1	76	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	77	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.238	0.238	0.0	74	0.00
47	n-amyl Acetate	0.414	0.423	-2.2	78	0.00
48 M	t-1,3-Dichloropropene	0.442	0.448	-1.4	76	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.528	-1.3	76	0.00
50 M	1,1,2-Trichloroethane	0.289	0.307	-6.2	77	0.00
51	Ethyl methacrylate	0.377	0.381	-1.1	76	0.00
52	1,3-Dichloropropane	0.498	0.521	-4.6	77	0.00
53 M	Dibromochloromethane	0.325	0.344	-5.8	80	0.00
54 M	1,2-Dibromoethane	0.292	0.299	-2.4	75	0.00
55 M	2-Chloroethyl vinyl ether	0.216	0.202	6.5	68	0.00
56 M	Bromoform	0.222	0.238	-7.2	81	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
58 M	4-Methyl-2-Pentanone	0.286	0.297	-3.8	76	0.00
59 M	2-Hexanone	0.197	0.224	-13.7	84	0.00
60 S	4-Bromofluorobenzene	0.459	0.478	-4.1	79	0.00
61 M	Tetrachloroethene	0.443	0.497	-12.2	84	0.00
62 M	Toluene	1.645	1.663	-1.1	76	0.00
63 S	Toluene-d8	1.352	1.348	0.3	73	0.00
64 M	Chlorobenzene	1.032	1.060	-2.7	78	0.00
65	1,1,1,2-Tetrachloroethane	0.362	0.375	-3.6	79	0.00
66 M	Ethyl Benzene	1.784	1.797	-0.7	77	0.00
67 M	m/p-Xylenes	0.675	0.708	-4.9	79	0.00
68 M	o-Xylene	0.654	0.677	-3.5	78	0.00
69 M	Styrene	1.067	1.121	-5.1	80	0.00
70	Isopropylbenzene	1.720	1.815	-5.5	80	0.00
71 M	1,1,2,2-Tetrachloroethane	0.362	0.375	-3.6	78	0.00
72	1,2,3-Trichloropropane	0.317	0.352	-11.0	80	0.00
73	Bromobenzene	0.442	0.475	-7.5	81	0.00
74	n-propylbenzene	1.948	2.138	-9.8	84	0.00
75	2-Chlorotoluene	1.153	1.242	-7.7	81	0.00
76	1,3,5-Trimethylbenzene	1.365	1.527	-11.9	84	0.00
77	t-1,4-Dichloro-2-butene	0.111	0.112	-0.9	80	0.00
78	4-Chlorotoluene	1.174	1.288	-9.7	83	0.00
79	tert-butylbenzene	1.190	1.318	-10.8	84	0.00
80	1,2,4-Trimethylbenzene	1.368	1.525	-11.5	84	0.00
81	sec-Butylbenzene	1.576	1.855	-17.7	90	0.00
82	p-Isopropyltoluene	1.362	1.626	-19.4	91	0.00
83 M	1,3-Dichlorobenzene	0.753	0.865	-14.9	88	0.00
84 M	1,4-Dichlorobenzene	0.734	0.840	-14.4	87	0.00
85	n-Butylbenzene	1.108	1.370	-23.6	96	0.00
86 T	Hexachloroethane	0.217	0.249	-14.7	90	0.00
87 M	1,2-Dichlorobenzene	0.700	0.812	-16.0	86	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.054	-3.8	77	0.00
89	1,2,4-Trichlorobenzene	0.340	0.352	-3.5	83	0.00
90	Hexachlorobutadiene	0.206	0.293	-42.2#	102	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.721	0.550	23.7	62	0.00
92	1,2,3-Trichlorobenzene	0.303	0.262	13.5	69	0.00

(#) = Out of Range

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