

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN071319\
 Data File : VN056695.D
 Acq On : 12 Jul 2019 18:14
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 13 00:54:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 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	88	0.00
2 M	Dichlorodifluoromethane	1.705	1.702	0.2	84	0.00
3 M	Chloromethane	2.280	2.301	-0.9	87	0.00
4 M	Vinyl Chloride	2.242	2.240	0.1	86	0.00
5 M	Bromomethane	1.413	1.391	1.6	87	0.00
6 M	Chloroethane	1.281	1.314	-2.6	89	0.00
7 M	Trichlorofluoromethane	2.876	2.871	0.2	85	0.00
8 T	Diethyl Ether	1.176	1.183	-0.6	89	0.00
9	1,1,2-Trichlorotrifluoroeth	1.793	1.782	0.6	85	0.00
10 M	1,1-Dichloroethene	1.769	1.715	3.1	86	0.00
11	Methyl Iodide	2.351	2.225	5.4	86	0.00
12	Methyl Acetate	2.368	2.218	6.3	90	0.00
13 M	Acrolein	0.167	0.009#	94.6#	5#	0.00
14 M	Acrylonitrile	1.043	1.004	3.7	87	0.00
15 M	Acetone	0.360	0.274	23.9	57	0.00
16 M	Carbon Disulfide	4.667	4.203	9.9	82	0.00
17	Allyl chloride	3.095	2.899	6.3	85	0.00
18 M	Methylene Chloride	2.077	2.074	0.1	88	0.00
19 M	trans-1,2-Dichloroethene	1.894	1.852	2.2	86	0.00
20 T	Diisopropyl ether	6.167	6.189	-0.4	88	0.00
21 M	1,1-Dichloroethane	3.524	3.491	0.9	87	0.00
22 M	cis-1,2-Dichloroethene	2.215	2.205	0.5	88	0.00
23 M	tert-Butyl Alcohol	0.364	0.349	4.1	87	0.00
24 M	Methyl tert-Butyl Ether	5.644	5.527	2.1	88	0.00
25 M	Chloroform	3.433	3.434	-0.0	87	0.00
26	Cyclohexane	3.275	3.154	3.7	84	0.00
27 s	1,2-Dichloroethane-d4	2.032	2.054	-1.1	90	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
29	1,1-Dichloropropene	0.477	0.456	4.4	84	0.00
30 M	2-Butanone	0.276	0.242	12.3	73	0.00
31	2,2-Dichloropropane	0.462	0.422	8.7	82	0.00
32 M	1,1,1-Trichloroethane	0.508	0.502	1.2	88	0.00
33 M	Carbon Tetrachloride	0.437	0.426	2.5	87	0.00
34 M	Benzene	1.465	1.476	-0.8	88	0.00
35	Methacrylonitrile	0.211	0.173	18.0	83	0.00
36 M	1,2-Dichloroethane	0.471	0.474	-0.6	88	0.00
37 M	Trichloroethene	0.398	0.380	4.5	84	0.00
38	Methylcyclohexane	0.602	0.568	5.6	83	0.00
39 M	1,2-Dichloropropane	0.393	0.384	2.3	86	0.00
40	Dibromomethane	0.251	0.242	3.6	86	0.00
41 M	Bromodichloromethane	0.462	0.455	1.5	88	0.00
42 M	Vinyl Acetate	0.919	0.904	1.6	87	0.00
43	Ethyl Acetate	0.499	0.494	1.0	87	0.00
44	Isopropyl Acetate	0.778	0.749	3.7	88	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	83	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.374	0.361	3.5	87	0.00
47	n-amyl Acetate	0.636	0.589	7.4	87	0.00
48 M	t-1,3-Dichloropropene	0.508	0.454	10.6	83	0.00
49 T	cis-1,3-Dichloropropene	0.573	0.546	4.7	87	0.00
50 M	1,1,2-Trichloroethane	0.365	0.359	1.6	88	0.00
51	Ethyl methacrylate	0.561	0.524	6.6	85	0.00
52	1,3-Dichloropropane	0.611	0.612	-0.2	87	0.00
53 M	Dibromochloromethane	0.369	0.352	4.6	88	0.00
54 M	1,2-Dibromoethane	0.379	0.365	3.7	87	0.00
55 M	2-Chloroethyl vinyl ether	0.271	0.278	-2.6	92	0.00
56 M	Bromoform	0.273	0.247	9.5	86	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.555	1.8	87	0.00
59 M	2-Hexanone	0.429	0.397	7.5	80	0.00
60 S	4-Bromofluorobenzene	0.459	0.452	1.5	89	0.00
61 M	Tetrachloroethene	0.431	0.440	-2.1	88	0.00
62 M	Toluene	1.762	1.771	-0.5	88	0.00
63 S	Toluene-d8	1.371	1.381	-0.7	88	0.00
64 M	Chlorobenzene	1.075	1.062	1.2	88	0.00
65	1,1,1,2-Tetrachloroethane	0.394	0.384	2.5	87	0.00
66 M	Ethyl Benzene	1.905	1.844	3.2	85	0.00
67 M	m/p-Xylenes	0.719	0.695	3.3	85	0.00
68 M	o-Xylene	0.701	0.677	3.4	87	0.00
69 M	Styrene	1.162	1.119	3.7	87	0.00
70	Isopropylbenzene	1.838	1.807	1.7	86	0.00
71 M	1,1,2,2-Tetrachloroethane	0.596	0.584	2.0	87	0.00
72	1,2,3-Trichloropropane	0.510	0.509	0.2	88	0.00
73	Bromobenzene	0.480	0.461	4.0	86	0.00
74	n-propylbenzene	2.073	1.953	5.8	82	0.00
75	2-Chlorotoluene	1.249	1.233	1.3	87	0.00
76	1,3,5-Trimethylbenzene	1.567	1.532	2.2	85	0.00
77	t-1,4-Dichloro-2-butene	0.169	0.138	18.3	80	0.00
78	4-Chlorotoluene	1.211	1.117	7.8	82	0.00
79	tert-butylbenzene	1.333	1.294	2.9	85	0.00
80	1,2,4-Trimethylbenzene	1.555	1.510	2.9	85	0.00
81	sec-Butylbenzene	1.765	1.701	3.6	84	0.00
82	p-Isopropyltoluene	1.605	1.537	4.2	83	0.00
83 M	1,3-Dichlorobenzene	0.800	0.749	6.4	85	0.00
84 M	1,4-Dichlorobenzene	0.767	0.692	9.8	82	0.00
85	n-Butylbenzene	1.324	1.178	11.0	80	0.00
86 T	Hexachloroethane	0.252	0.231	8.3	84	0.00
87 M	1,2-Dichlorobenzene	0.804	0.764	5.0	86	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.095	7.8	87	0.00
89	1,2,4-Trichlorobenzene	0.433	0.364	15.9	85	0.00
90	Hexachlorobutadiene	0.281	0.255	9.3	79	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.164	0.915	21.4	85	0.00
92	1,2,3-Trichlorobenzene	0.454	0.387	14.8	85	0.00

(#) = Out of Range

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