

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN062119\
 Data File : VN056412.D
 Acq On : 21 Jun 2019 9:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 24 09:31:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 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	114	0.00
2 M	Dichlorodifluoromethane	1.687	1.921	-13.9	123	0.00
3 M	Chloromethane	1.971	2.076	-5.3	120	0.00
4 M	Vinyl Chloride	2.010	2.117	-5.3	117	0.00
5 M	Bromomethane	1.263	1.209	4.3	104	0.00
6 M	Chloroethane	1.137	1.202	-5.7	115	0.00
7 M	Trichlorofluoromethane	2.487	2.769	-11.3	125	0.00
8 T	Diethyl Ether	1.055	1.118	-6.0	120	0.00
9	1,1,2-Trichlorotrifluoroeth	1.535	1.734	-13.0	127	0.02
10 M	1,1-Dichloroethene	1.566	1.657	-5.8	121	0.02
11	Methyl Iodide	2.471	2.189	11.4	104	0.00
12	Methyl Acetate	1.882	2.207	-17.3	135	0.00
13 M	Acrolein	0.092	0.093	-1.1	121	0.00
14 M	Acrylonitrile	0.839	0.925	-10.3	127	0.00
15 M	Acetone	0.275	0.326	-18.5	126	0.00
16 M	Carbon Disulfide	3.726	3.684	1.1	121	0.00
17	Allyl chloride	2.426	2.710	-11.7	131	0.00
18 M	Methylene Chloride	1.813	1.911	-5.4	121	0.00
19 M	trans-1,2-Dichloroethene	1.672	1.777	-6.3	119	0.00
20 T	Diisopropyl ether	5.027	5.625	-11.9	127	0.00
21 M	1,1-Dichloroethane	2.921	3.264	-11.7	128	0.00
22 M	cis-1,2-Dichloroethene	1.951	2.048	-5.0	119	0.00
23 M	tert-Butyl Alcohol	0.327	0.318	2.8	115	-0.02
24 M	Methyl tert-Butyl Ether	4.991	5.307	-6.3	121	0.00
25 M	Chloroform	2.917	3.196	-9.6	125	0.00
26	Cyclohexane	2.710	3.003	-10.8	127	0.00
27 s	1,2-Dichloroethane-d4	1.863	2.030	-9.0	123	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	116	0.00
29	1,1-Dichloropropene	0.406	0.430	-5.9	125	0.00
30 M	2-Butanone	0.214	0.240	-12.1	130	0.00
31	2,2-Dichloropropane	0.378	0.414	-9.5	129	0.00
32 M	1,1,1-Trichloroethane	0.448	0.465	-3.8	122	0.00
33 M	Carbon Tetrachloride	0.380	0.378	0.5	120	0.00
34 M	Benzene	1.293	1.350	-4.4	122	0.00
35	Methacrylonitrile	0.180	0.172	4.4	100	0.00
36 M	1,2-Dichloroethane	0.405	0.436	-7.7	127	0.00
37 M	Trichloroethene	0.362	0.367	-1.4	117	0.00
38	Methylcyclohexane	0.514	0.547	-6.4	128	0.00
39 M	1,2-Dichloropropane	0.331	0.362	-9.4	127	0.00
40	Dibromomethane	0.220	0.225	-2.3	120	0.00
41 M	Bromodichloromethane	0.393	0.407	-3.6	125	0.00
42 M	Vinyl Acetate	0.762	0.824	-8.1	128	0.00
43	Ethyl Acetate	0.409	0.436	-6.6	124	0.00
44	Isopropyl Acetate	0.635	0.659	-3.8	126	0.00
45 T	1,4-Dioxane	0.007	0.007#	0.0	116	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.315	0.322	-2.2	129	0.00
47	n-amyl Acetate	0.525	0.523	0.4	123	0.00
48 M	t-1,3-Dichloropropene	0.414	0.411	0.7	125	0.00
49 T	cis-1,3-Dichloropropene	0.484	0.507	-4.8	127	0.00
50 M	1,1,2-Trichloroethane	0.326	0.335	-2.8	121	0.00
51	Ethyl methacrylate	0.493	0.484	1.8	120	0.00
52	1,3-Dichloropropane	0.529	0.555	-4.9	123	0.00
53 M	Dibromochloromethane	0.319	0.305	4.4	122	0.00
54 M	1,2-Dibromoethane	0.340	0.334	1.8	118	0.00
55 M	2-Chloroethyl vinyl ether	0.173	0.169	2.3	124	0.00
56 M	Bromoform	0.231	0.206	10.8	120	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	115	0.00
58 M	4-Methyl-2-Pentanone	0.454	0.497	-9.5	126	0.00
59 M	2-Hexanone	0.325	0.361	-11.1	128	0.00
60 S	4-Bromofluorobenzene	0.445	0.437	1.8	116	0.00
61 M	Tetrachloroethene	0.418	0.412	1.4	110	0.00
62 M	Toluene	1.620	1.702	-5.1	120	0.00
63 S	Toluene-d8	1.361	1.409	-3.5	117	0.00
64 M	Chlorobenzene	0.982	1.009	-2.7	119	0.00
65	1,1,1,2-Tetrachloroethane	0.354	0.362	-2.3	120	0.00
66 M	Ethyl Benzene	1.725	1.807	-4.8	120	0.00
67 M	m/p-Xylenes	0.660	0.662	-0.3	115	0.00
68 M	o-Xylene	0.646	0.656	-1.5	116	0.00
69 M	Styrene	1.050	1.038	1.1	117	0.00
70	Isopropylbenzene	1.689	1.756	-4.0	119	0.00
71 M	1,1,2,2-Tetrachloroethane	0.509	0.538	-5.7	120	0.00
72	1,2,3-Trichloropropane	0.441	0.431	2.3	113	0.00
73	Bromobenzene	0.448	0.431	3.8	113	0.00
74	n-propylbenzene	1.782	1.838	-3.1	122	0.00
75	2-Chlorotoluene	1.105	1.152	-4.3	122	0.00
76	1,3,5-Trimethylbenzene	1.389	1.399	-0.7	117	0.00
77	t-1,4-Dichloro-2-butene	0.126	0.115	8.7	123	0.00
78	4-Chlorotoluene	1.032	1.032	0.0	121	0.00
79	tert-butylbenzene	1.231	1.263	-2.6	119	0.00
80	1,2,4-Trimethylbenzene	1.351	1.335	1.2	116	0.00
81	sec-Butylbenzene	1.557	1.612	-3.5	121	0.00
82	p-Isopropyltoluene	1.408	1.383	1.8	117	0.00
83 M	1,3-Dichlorobenzene	0.699	0.647	7.4	113	0.00
84 M	1,4-Dichlorobenzene	0.665	0.594	10.7	114	0.00
85	n-Butylbenzene	1.051	0.968	7.9	119	0.00
86 T	Hexachloroethane	0.219	0.217	0.9	123	0.00
87 M	1,2-Dichlorobenzene	0.710	0.658	7.3	112	0.00
88	1,2-Dibromo-3-Chloropropane	0.080	0.073	8.8	119	0.00
89	1,2,4-Trichlorobenzene	0.346	0.243	29.8	103	0.00
90	Hexachlorobutadiene	0.259	0.253	2.3	116	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.943	0.688	27.0	106	0.00
92	1,2,3-Trichlorobenzene	0.372	0.295	20.7	109	0.00

(#) = Out of Range

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