

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112621\
 Data File : VN069649.D
 Acq On : 26 Nov 2021 10:22
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 29 00:14:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 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	116	0.00
2 M	Dichlorodifluoromethane	2.217	2.505	-13.0	113	0.00
3 M	Chloromethane	2.311	2.583	-11.8	115	0.00
4 M	Vinyl Chloride	2.344	2.454	-4.7	108	0.00
5 M	Bromomethane	1.501	1.420	5.4	98	0.00
6 M	Chloroethane	1.479	1.488	-0.6	102	0.00
7 M	Trichlorofluoromethane	3.435	3.340	2.8	98	0.00
8 T	Diethyl Ether	1.084	1.186	-9.4	116	0.00
9	1,1,2-Trichlorotrifluoroeth	1.590	1.840	-15.7	120	-0.01
10 M	1,1-Dichloroethene	1.499	1.677	-11.9	118	0.00
11	Methyl Iodide	2.089	2.285	-9.4	122	0.00
12	Methyl Acetate	4.318	4.671	-8.2	115	0.00
13 M	Acrolein	0.119	0.141	-18.5	142	0.00
14 M	Acrylonitrile	1.178	1.240	-5.3	118	0.00
15 M	Acetone	0.393	0.501	-27.5	118	0.00
16 M	Carbon Disulfide	3.747	3.959	-5.7	118	0.00
17	Allyl chloride	3.186	3.533	-10.9	122	0.00
18 M	Methylene Chloride	1.910	2.060	-7.9	117	0.00
19 M	trans-1,2-Dichloroethene	1.645	1.808	-9.9	119	0.00
20 T	Diisopropyl ether	6.828	7.530	-10.3	121	0.00
21 M	1,1-Dichloroethane	3.464	3.867	-11.6	121	0.00
22 M	cis-1,2-Dichloroethene	2.040	2.156	-5.7	115	0.00
23 M	tert-Butyl Alcohol	0.410	0.412	-0.5	116	0.00
24 M	Methyl tert-Butyl Ether	6.008	6.626	-10.3	120	0.00
25 M	Chloroform	3.581	3.944	-10.1	118	0.00
26	Cyclohexane	3.289	3.664	-11.4	119	0.00
27 s	1,2-Dichloroethane-d4	2.602	2.688	-3.3	113	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
29	1,1-Dichloropropene	0.458	0.494	-7.9	117	0.00
30 M	2-Butanone	0.331	0.366	-10.6	118	0.00
31	2,2-Dichloropropane	0.484	0.516	-6.6	121	0.00
32 M	1,1,1-Trichloroethane	0.535	0.562	-5.0	118	0.00
33 M	Carbon Tetrachloride	0.442	0.466	-5.4	118	0.00
34 M	Benzene	1.393	1.480	-6.2	116	0.00
35	Methacrylonitrile	0.304	0.299	1.6	114	0.00
36 M	1,2-Dichloroethane	0.537	0.583	-8.6	117	0.00
37 M	Trichloroethene	0.336	0.355	-5.7	118	0.00
38	Methylcyclohexane	0.567	0.609	-7.4	119	0.00
39 M	1,2-Dichloropropane	0.369	0.401	-8.7	120	0.00
40	Dibromomethane	0.247	0.260	-5.3	118	0.00
41 M	Bromodichloromethane	0.464	0.487	-5.0	122	0.00
42 M	Vinyl Acetate	0.937	0.989	-5.5	119	0.00
43	Ethyl Acetate	0.614	0.604	1.6	114	0.00
44	Isopropyl Acetate	0.958	0.979	-2.2	116	0.00
45 T	1,4-Dioxane	0.008	0.007#	12.5	108	0.00
46	Methyl methacrylate	0.441	0.452	-2.5	118	0.00
47	n-amyl Acetate	0.735	0.611	16.9	105	0.00
48 M	t-1,3-Dichloropropene	0.498	0.494	0.8	120	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.541	0.560	-3.5	121	0.00
50 M	1,1,2-Trichloroethane	0.351	0.361	-2.8	116	0.00
51	Ethyl methacrylate	0.588	0.563	4.3	114	0.00
52	1,3-Dichloropropane	0.606	0.631	-4.1	115	0.00
53 M	Dibromochloromethane	0.335	0.338	-0.9	123	0.00
54 M	1,2-Dibromoethane	0.363	0.357	1.7	112	0.00
55 M	2-Chloroethyl vinyl ether	0.134	0.127	5.2	126	0.00
56 M	Bromoform	0.240	0.229	4.6	125	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
58 M	4-Methyl-2-Pentanone	0.659	0.711	-7.9	115	0.00
59 M	2-Hexanone	0.501	0.524	-4.6	112	0.00
60 S	4-Bromofluorobenzene	0.480	0.476	0.8	111	0.00
61 M	Tetrachloroethene	0.322	0.378	-17.4	122	0.00
62 M	Toluene	1.649	1.777	-7.8	111	0.00
63 S	Toluene-d8	1.385	1.401	-1.2	109	0.00
64 M	Chlorobenzene	0.989	1.067	-7.9	115	0.00
65	1,1,1,2-Tetrachloroethane	0.348	0.378	-8.6	117	0.00
66 M	Ethyl Benzene	1.825	1.970	-7.9	113	0.00
67 M	m/p-Xylenes	0.678	0.726	-7.1	112	0.00
68 M	o-Xylene	0.679	0.715	-5.3	110	0.00
69 M	Styrene	1.100	1.131	-2.8	111	0.00
70	Isopropylbenzene	1.775	1.894	-6.7	113	0.00
71 M	1,1,2,2-Tetrachloroethane	0.586	0.615	-4.9	113	0.00
72	1,2,3-Trichloropropane	0.570	0.560	1.8	108	0.00
73	Bromobenzene	0.409	0.425	-3.9	114	0.00
74	n-propylbenzene	2.038	2.112	-3.6	111	0.00
75	2-Chlorotoluene	1.241	1.309	-5.5	113	0.00
76	1,3,5-Trimethylbenzene	1.457	1.549	-6.3	113	0.00
77	t-1,4-Dichloro-2-butene	0.154	0.137	11.0	117	0.00
78	4-Chlorotoluene	1.188	1.218	-2.5	112	0.00
79	tert-butylbenzene	1.281	1.338	-4.4	115	0.00
80	1,2,4-Trimethylbenzene	1.421	1.474	-3.7	110	0.00
81	sec-Butylbenzene	1.793	1.853	-3.3	112	0.00
82	p-Isopropyltoluene	1.430	1.456	-1.8	113	0.00
83 M	1,3-Dichlorobenzene	0.699	0.719	-2.9	114	0.00
84 M	1,4-Dichlorobenzene	0.679	0.684	-0.7	112	0.00
85	n-Butylbenzene	1.194	1.100	7.9	109	0.00
86 T	Hexachloroethane	0.237	0.236	0.4	120	0.00
87 M	1,2-Dichlorobenzene	0.675	0.693	-2.7	111	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.100	2.9	118	0.00
89	1,2,4-Trichlorobenzene	0.324	0.275	15.1	108	0.00
90	Hexachlorobutadiene	0.175	0.191	-9.1	120	0.00
91 M	Naphthalene	0.932	0.656	29.6	97	0.00
92	1,2,3-Trichlorobenzene	0.318	0.270	15.1	107	0.00

(#) = Out of Range

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