

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
 Data File : VN078385.D
 Acq On : 23 Jun 2023 18:03
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 24 01:25:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 24 00:59:50 2023
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	75	0.00
2 M	Dichlorodifluoromethane	1.817	1.788	1.6	69	0.00
3 M	Chloromethane	2.191	2.234	-2.0	73	0.00
4 M	Vinyl Chloride	2.695	2.729	-1.3	71	0.00
5 M	Bromomethane	2.191	1.541	29.7#	50#	0.00
6 M	Chloroethane	1.920	1.725	10.2	68	0.00
7 M	Trichlorofluoromethane	3.172	4.319	-36.2#	97	0.00
8 T	Diethyl Ether	1.059	1.027	3.0	69	0.00
9	1,1,2-Trichlorotrifluoroeth	1.724	1.680	2.6	71	0.00
10 M	1,1-Dichloroethene	1.691	1.685	0.4	73	0.00
11	Methyl Iodide	2.396	1.753	26.8#	53	0.00
12	Methyl Acetate	2.623	2.612	0.4	74	0.00
13 M	Acrolein	0.328	0.324	1.2	74	0.01
14 M	Acrylonitrile	0.711	0.724	-1.8	74	0.01
15 M	Acetone	0.203	0.197	3.0	64	0.00
16 M	Carbon Disulfide	4.621	4.281	7.4	67	0.00
17	Allyl chloride	2.121	2.034	4.1	70	0.00
18 M	Methylene Chloride	2.004	1.959	2.2	73	0.00
19 M	trans-1,2-Dichloroethene	1.866	1.821	2.4	73	0.00
20 T	Diisopropyl ether	5.095	5.146	-1.0	75	0.00
21 M	1,1-Dichloroethane	3.379	3.299	2.4	71	0.00
22 M	cis-1,2-Dichloroethene	2.123	2.112	0.5	72	0.00
23 M	tert-Butyl Alcohol	0.265	0.247	6.8	69	0.01
24 M	Methyl tert-Butyl Ether	5.332	5.296	0.7	72	0.00
25 M	Chloroform	3.571	3.624	-1.5	75	0.00
26	Cyclohexane	2.418	2.299	4.9	69	0.00
27 s	1,2-Dichloroethane-d4	2.259	2.265	-0.3	77	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
29	1,1-Dichloropropene	0.465	0.434	6.7	70	0.00
30 M	2-Butanone	0.163	0.163	0.0	72	0.00
31	2,2-Dichloropropane	0.497	0.447	10.1	66	0.00
32 M	1,1,1-Trichloroethane	0.567	0.549	3.2	74	0.00
33 M	Carbon Tetrachloride	0.494	0.478	3.2	74	0.00
34 M	Benzene	1.387	1.347	2.9	72	0.00
35	Methacrylonitrile	0.187	0.191	-2.1	77	0.00
36 M	1,2-Dichloroethane	0.473	0.450	4.9	72	0.00
37 M	Trichloroethene	0.354	0.339	4.2	70	0.00
38	Methylcyclohexane	0.409	0.375	8.3	66	0.00
39 M	1,2-Dichloropropane	0.347	0.339	2.3	73	0.00
40	Dibromomethane	0.251	0.245	2.4	74	0.00
41 M	Bromodichloromethane	0.487	0.478	1.8	73	0.00
42 M	Vinyl Acetate	0.519	0.506	2.5	71	0.00
43	Ethyl Acetate	0.343	0.363	-5.8	82	0.00
44	Isopropyl Acetate	0.620	0.636	-2.6	79	0.00
45 T	1,4-Dioxane	0.005	0.005	0.0	77	0.00
46	Methyl methacrylate	0.276	0.269	2.5	68	0.00
47	n-amyl Acetate	0.456	0.453	0.7	73	0.00
48 M	t-1,3-Dichloropropene	0.500	0.471	5.8	69	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.551	0.522	5.3	69	0.00
50 M	1,1,2-Trichloroethane	0.336	0.329	2.1	72	0.00
51	Ethyl methacrylate	0.460	0.446	3.0	71	0.00
52	1,3-Dichloropropane	0.564	0.562	0.4	75	0.00
53 M	Dibromochloromethane	0.356	0.347	2.5	71	0.00
54 M	1,2-Dibromoethane	0.339	0.338	0.3	74	0.00
55 M	2-Chloroethyl vinyl ether	0.170	0.188	-10.6	84	0.00
56 M	Bromoform	0.218	0.214	1.8	73	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
58 M	4-Methyl-2-Pentanone	0.401	0.407	-1.5	75	0.00
59 M	2-Hexanone	0.277	0.287	-3.6	75	0.00
60 S	4-Bromofluorobenzene	0.423	0.420	0.7	75	0.00
61 M	Tetrachloroethene	0.329	0.310	5.8	71	0.00
62 M	Toluene	1.746	1.697	2.8	71	0.00
63 S	Toluene-d8	1.454	1.421	2.3	75	0.00
64 M	Chlorobenzene	1.035	1.005	2.9	72	0.00
65	1,1,1,2-Tetrachloroethane	0.399	0.381	4.5	71	0.00
66 M	Ethyl Benzene	1.777	1.720	3.2	71	0.00
67 M	m/p-Xylenes	0.672	0.654	2.7	71	0.00
68 M	o-Xylene	0.651	0.648	0.5	72	0.00
69 M	Styrene	1.031	1.012	1.8	71	0.00
70	Isopropylbenzene	1.601	1.541	3.7	71	0.00
71 M	1,1,2,2-Tetrachloroethane	0.521	0.537	-3.1	76	0.00
72	1,2,3-Trichloropropane	0.434	0.417	3.9	74	0.00
73	Bromobenzene	0.383	0.366	4.4	70	0.00
74	n-propylbenzene	1.741	1.652	5.1	69	0.00
75	2-Chlorotoluene	1.178	1.120	4.9	72	0.00
76	1,3,5-Trimethylbenzene	1.327	1.237	6.8	71	0.00
77	t-1,4-Dichloro-2-butene	0.140	0.120	14.3	61	0.00
78	4-Chlorotoluene	1.103	1.019	7.6	71	0.00
79	tert-butylbenzene	1.092	1.059	3.0	72	0.00
80	1,2,4-Trimethylbenzene	1.254	1.239	1.2	72	0.00
81	sec-Butylbenzene	1.362	1.305	4.2	69	0.00
82	p-Isopropyltoluene	1.096	1.087	0.8	71	0.00
83 M	1,3-Dichlorobenzene	0.607	0.600	1.2	73	0.00
84 M	1,4-Dichlorobenzene	0.586	0.559	4.6	70	0.00
85	n-Butylbenzene	0.809	0.753	6.9	63	0.00
86 T	Hexachloroethane	0.211	0.200	5.2	71	0.00
87 M	1,2-Dichlorobenzene	0.601	0.603	-0.3	74	0.00
88	1,2-Dibromo-3-Chloropropane	0.078	0.079	-1.3	77	0.00
89	1,2,4-Trichlorobenzene	0.183	0.156	14.8	59	0.00
90	Hexachlorobutadiene	0.125	0.111	11.2	61	0.00
91 M	Naphthalene	0.601	0.496	17.5	59	0.00
92	1,2,3-Trichlorobenzene	0.212	0.194	8.5	65	0.00

(#) = Out of Range

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