

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032423\
 Data File : VN077184.D
 Acq On : 24 Mar 2023 17:51
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 24 23:33:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 24 05:55:38 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	102	0.00
2 M	Dichlorodifluoromethane	1.975	2.436	-23.3	132	0.00
3 M	Chloromethane	3.144	3.835	-22.0	105	0.00
4 M	Vinyl Chloride	4.432	4.859	-9.6	119	0.00
5 M	Bromomethane	3.108	4.166	-34.0#	143	0.00
6 M	Chloroethane	3.695	4.458	-20.6	127	0.00
7 M	Trichlorofluoromethane	6.380	6.544	-2.6	109	0.00
8 T	Diethyl Ether	2.239	2.214	1.1	110	0.00
9	1,1,2-Trichlorotrifluoroeth	3.336	3.287	1.5	105	0.00
10 M	1,1-Dichloroethene	3.122	3.000	3.9	101	0.00
11	Methyl Iodide	3.325	3.248	2.3	114	0.00
12	Methyl Acetate	6.731	6.734	-0.0	105	0.00
13 M	Acrolein	0.912	0.852	6.6	97	0.00
14 M	Acrylonitrile	2.042	2.002	2.0	103	0.00
15 M	Acetone	0.534	0.538	-0.7	106	0.00
16 M	Carbon Disulfide	8.816	8.278	6.1	103	0.00
17	Allyl chloride	5.490	5.244	4.5	107	0.00
18 M	Methylene Chloride	3.836	3.858	-0.6	105	0.00
19 M	trans-1,2-Dichloroethene	3.344	3.319	0.7	108	0.00
20 T	Diisopropyl ether	12.437	12.827	-3.1	108	0.00
21 M	1,1-Dichloroethane	7.002	7.112	-1.6	109	0.00
22 M	cis-1,2-Dichloroethene	3.949	3.795	3.9	101	0.00
23 M	tert-Butyl Alcohol	0.693	0.627	9.5	99	0.00
24 M	Methyl tert-Butyl Ether	11.083	10.969	1.0	107	0.00
25 M	Chloroform	6.851	6.870	-0.3	105	0.00
26	Cyclohexane	5.906	5.465	7.5	99	0.00
27 s	1,2-Dichloroethane-d4	3.047	2.963	2.8	97	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.728	0.698	4.1	100	0.00
30 M	2-Butanone	0.420	0.423	-0.7	103	0.00
31	2,2-Dichloropropane	0.682	0.765	-12.2	119	0.00
32 M	1,1,1-Trichloroethane	0.877	0.865	1.4	103	0.00
33 M	Carbon Tetrachloride	0.737	0.733	0.5	103	0.00
34 M	Benzene	2.231	2.319	-3.9	108	0.00
35	Methacrylonitrile	0.461	0.436	5.4	98	0.00
36 M	1,2-Dichloroethane	0.822	0.834	-1.5	103	0.00
37 M	Trichloroethene	0.504	0.493	2.2	102	0.00
38	Methylcyclohexane	0.866	0.815	5.9	103	0.00
39 M	1,2-Dichloropropane	0.597	0.606	-1.5	104	0.00
40	Dibromomethane	0.382	0.396	-3.7	107	0.00
41 M	Bromodichloromethane	0.778	0.778	0.0	104	0.00
42 M	Vinyl Acetate	1.258	1.257	0.1	106	0.00
43	Ethyl Acetate	0.839	0.841	-0.2	103	0.00
44	Isopropyl Acetate	1.354	1.351	0.2	103	0.00
45 T	1,4-Dioxane	0.011	0.011	0.0	93	0.00
46	Methyl methacrylate	0.624	0.664	-6.4	106	0.00
47	n-amyl Acetate	1.139	1.055	7.4	104	0.00
48 M	t-1,3-Dichloropropene	0.790	0.771	2.4	108	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.865	0.867	-0.2	108	0.00
50 M	1,1,2-Trichloroethane	0.536	0.535	0.2	103	0.00
51	Ethyl methacrylate	0.828	0.784	5.3	104	0.00
52	1,3-Dichloropropane	0.952	0.987	-3.7	110	0.00
53 M	Dibromochloromethane	0.555	0.563	-1.4	109	0.00
54 M	1,2-Dibromoethane	0.528	0.540	-2.3	108	0.00
55 M	2-Chloroethyl vinyl ether	0.346	0.314	9.2	98	0.00
56 M	Bromoform	0.389	0.368	5.4	108	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
58 M	4-Methyl-2-Pentanone	0.774	0.828	-7.0	106	0.00
59 M	2-Hexanone	0.565	0.589	-4.2	103	0.00
60 S	4-Bromofluorobenzene	0.539	0.537	0.4	98	0.00
61 M	Tetrachloroethene	0.377	0.393	-4.2	106	0.00
62 M	Toluene	2.108	2.163	-2.6	103	0.00
63 S	Toluene-d8	1.071	1.104	-3.1	97	0.00
64 M	Chlorobenzene	1.247	1.289	-3.4	106	0.00
65	1,1,1,2-Tetrachloroethane	0.458	0.478	-4.4	105	0.00
66 M	Ethyl Benzene	2.266	2.316	-2.2	105	0.00
67 M	m/p-Xylenes	0.872	0.878	-0.7	103	0.00
68 M	o-Xylene	0.854	0.867	-1.5	105	0.00
69 M	Styrene	1.386	1.366	1.4	104	0.00
70	Isopropylbenzene	2.214	2.197	0.8	103	0.00
71 M	1,1,2,2-Tetrachloroethane	0.725	0.777	-7.2	106	0.00
72	1,2,3-Trichloropropane	0.641	0.683	-6.6	102	0.00
73	Bromobenzene	0.495	0.518	-4.6	108	0.00
74	n-propylbenzene	2.563	2.528	1.4	104	0.00
75	2-Chlorotoluene	1.545	1.552	-0.5	103	0.00
76	1,3,5-Trimethylbenzene	1.837	1.866	-1.6	103	0.00
77	t-1,4-Dichloro-2-butene	0.204	0.210	-2.9	111	0.00
78	4-Chlorotoluene	1.486	1.441	3.0	101	0.00
79	tert-butylbenzene	1.570	1.534	2.3	102	0.00
80	1,2,4-Trimethylbenzene	1.823	1.839	-0.9	104	0.00
81	sec-Butylbenzene	2.267	2.178	3.9	102	0.00
82	p-Isopropyltoluene	1.817	1.767	2.8	104	0.00
83 M	1,3-Dichlorobenzene	0.916	0.939	-2.5	106	0.00
84 M	1,4-Dichlorobenzene	0.893	0.879	1.6	105	0.00
85	n-Butylbenzene	1.536	1.412	8.1	104	0.00
86 T	Hexachloroethane	0.346	0.330	4.6	102	0.00
87 M	1,2-Dichlorobenzene	0.916	0.947	-3.4	108	0.00
88	1,2-Dibromo-3-Chloropropane	0.139	0.135	2.9	102	0.00
89	1,2,4-Trichlorobenzene	0.409	0.380	7.1	109	0.00
90	Hexachlorobutadiene	0.231	0.224	3.0	104	0.00
91 M	Naphthalene	1.341	1.109	17.3	97	0.00
92	1,2,3-Trichlorobenzene	0.406	0.343	15.5	94	0.00

(#) = Out of Range

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