

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077197.D
 Acq On : 27 Mar 2023 11:08
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 28 06:40:21 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	94	0.00
2 M	Dichlorodifluoromethane	1.975	2.565	-29.9#	128	0.00
3 M	Chloromethane	3.144	3.724	-18.4	94	0.00
4 M	Vinyl Chloride	4.432	4.295	3.1	97	0.00
5 M	Bromomethane	3.108	3.443	-10.8	109	0.00
6 M	Chloroethane	3.695	4.373	-18.3	114	0.00
7 M	Trichlorofluoromethane	6.380	6.140	3.8	94	0.00
8 T	Diethyl Ether	2.239	2.319	-3.6	106	0.00
9	1,1,2-Trichlorotrifluoroeth	3.336	3.375	-1.2	99	0.00
10 M	1,1-Dichloroethene	3.122	3.037	2.7	94	0.00
11	Methyl Iodide	3.325	3.609	-8.5	117	0.00
12	Methyl Acetate	6.731	6.601	1.9	95	0.00
13 M	Acrolein	0.912	1.001	-9.8	105	0.00
14 M	Acrylonitrile	2.042	1.948	4.6	93	0.00
15 M	Acetone	0.534	0.570	-6.7	104	0.00
16 M	Carbon Disulfide	8.816	8.435	4.3	96	0.00
17	Allyl chloride	5.490	5.135	6.5	96	0.00
18 M	Methylene Chloride	3.836	3.854	-0.5	97	0.00
19 M	trans-1,2-Dichloroethene	3.344	3.371	-0.8	101	-0.01
20 T	Diisopropyl ether	12.437	13.224	-6.3	103	0.00
21 M	1,1-Dichloroethane	7.002	7.227	-3.2	102	0.00
22 M	cis-1,2-Dichloroethene	3.949	4.106	-4.0	101	0.00
23 M	tert-Butyl Alcohol	0.693	0.609	12.1	88	0.00
24 M	Methyl tert-Butyl Ether	11.083	11.453	-3.3	103	0.00
25 M	Chloroform	6.851	7.145	-4.3	100	0.00
26	Cyclohexane	5.906	5.719	3.2	95	0.00
27 s	1,2-Dichloroethane-d4	3.047	3.239	-6.3	97	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29	1,1-Dichloropropene	0.728	0.686	5.8	97	0.00
30 M	2-Butanone	0.420	0.394	6.2	94	0.00
31	2,2-Dichloropropane	0.682	0.758	-11.1	116	-0.01
32 M	1,1,1-Trichloroethane	0.877	0.846	3.5	99	0.00
33 M	Carbon Tetrachloride	0.737	0.727	1.4	101	0.00
34 M	Benzene	2.231	2.153	3.5	98	0.00
35	Methacrylonitrile	0.461	0.403	12.6	89	0.00
36 M	1,2-Dichloroethane	0.822	0.805	2.1	98	0.00
37 M	Trichloroethene	0.504	0.485	3.8	99	0.00
38	Methylcyclohexane	0.866	0.816	5.8	101	0.00
39 M	1,2-Dichloropropane	0.597	0.565	5.4	95	0.00
40	Dibromomethane	0.382	0.374	2.1	99	0.00
41 M	Bromodichloromethane	0.778	0.768	1.3	101	0.00
42 M	Vinyl Acetate	1.258	1.209	3.9	101	0.00
43	Ethyl Acetate	0.839	0.779	7.2	94	0.00
44	Isopropyl Acetate	1.354	1.241	8.3	93	0.00
45 T	1,4-Dioxane	0.011	0.010	9.1	90	0.00
46	Methyl methacrylate	0.624	0.610	2.2	96	0.00
47	n-amyl Acetate	1.139	0.992	12.9	96	0.00
48 M	t-1,3-Dichloropropene	0.790	0.760	3.8	104	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.865	0.857	0.9	105	0.00
50 M	1,1,2-Trichloroethane	0.536	0.536	0.0	101	0.00
51	Ethyl methacrylate	0.828	0.759	8.3	99	0.00
52	1,3-Dichloropropane	0.952	0.944	0.8	103	0.00
53 M	Dibromochloromethane	0.555	0.551	0.7	104	0.00
54 M	1,2-Dibromoethane	0.528	0.524	0.8	103	0.00
55 M	2-Chloroethyl vinyl ether	0.346	0.284	17.9	87	0.00
56 M	Bromoform	0.389	0.358	8.0	103	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	0.774	0.711	8.1	93	0.00
59 M	2-Hexanone	0.565	0.500	11.5	90	0.00
60 S	4-Bromofluorobenzene	0.539	0.542	-0.6	101	0.00
61 M	Tetrachloroethene	0.377	0.378	-0.3	105	0.00
62 M	Toluene	2.108	2.043	3.1	100	0.00
63 S	Toluene-d8	1.071	1.075	-0.4	97	0.00
64 M	Chlorobenzene	1.247	1.205	3.4	102	0.00
65	1,1,1,2-Tetrachloroethane	0.458	0.448	2.2	100	0.00
66 M	Ethyl Benzene	2.266	2.156	4.9	100	0.00
67 M	m/p-Xylenes	0.872	0.843	3.3	101	0.00
68 M	o-Xylene	0.854	0.807	5.5	100	0.00
69 M	Styrene	1.386	1.313	5.3	102	0.00
70	Isopropylbenzene	2.214	2.093	5.5	100	0.00
71 M	1,1,2,2-Tetrachloroethane	0.725	0.689	5.0	96	0.00
72	1,2,3-Trichloropropane	0.641	0.680	-6.1	104	0.00
73	Bromobenzene	0.495	0.495	0.0	105	0.00
74	n-propylbenzene	2.563	2.458	4.1	103	0.00
75	2-Chlorotoluene	1.545	1.497	3.1	102	0.00
76	1,3,5-Trimethylbenzene	1.837	1.781	3.0	100	0.00
77	t-1,4-Dichloro-2-butene	0.204	0.188	7.8	102	0.00
78	4-Chlorotoluene	1.486	1.398	5.9	101	0.00
79	tert-butylbenzene	1.570	1.506	4.1	102	0.00
80	1,2,4-Trimethylbenzene	1.823	1.759	3.5	102	0.00
81	sec-Butylbenzene	2.267	2.126	6.2	102	0.00
82	p-Isopropyltoluene	1.817	1.720	5.3	103	0.00
83 M	1,3-Dichlorobenzene	0.916	0.894	2.4	103	0.00
84 M	1,4-Dichlorobenzene	0.893	0.854	4.4	104	0.00
85	n-Butylbenzene	1.536	1.439	6.3	109	0.00
86 T	Hexachloroethane	0.346	0.334	3.5	106	0.00
87 M	1,2-Dichlorobenzene	0.916	0.899	1.9	105	0.00
88	1,2-Dibromo-3-Chloropropane	0.139	0.119	14.4	92	0.00
89	1,2,4-Trichlorobenzene	0.409	0.347	15.2	102	0.00
90	Hexachlorobutadiene	0.231	0.231	0.0	110	0.00
91 M	Naphthalene	1.341	1.061	20.9	95	0.00
92	1,2,3-Trichlorobenzene	0.406	0.346	14.8	98	0.00

(#) = Out of Range

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