

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077597.D
 Acq On : 05 May 2023 17:41
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 06 02:34:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 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	82	0.00
2 M	Dichlorodifluoromethane	3.735	4.416	-18.2	96	0.00
3 M	Chloromethane	2.759	3.580	-29.8#	106	0.00
4 M	Vinyl Chloride	3.837	4.362	-13.7	92	0.00
5 M	Bromomethane	3.239	3.140	3.1	84	0.01
6 M	Chloroethane	2.763	3.028	-9.6	93	0.00
7 M	Trichlorofluoromethane	5.659	6.665	-17.8	95	0.00
8 T	Diethyl Ether	1.980	2.477	-25.1#	102	0.00
9	1,1,2-Trichlorotrifluoroeth	3.198	3.554	-11.1	89	0.00
10 M	1,1-Dichloroethene	3.068	3.538	-15.3	94	0.00
11	Methyl Iodide	3.764	4.089	-8.6	87	0.00
12	Methyl Acetate	4.425	6.167	-39.4#	109	0.01
13 M	Acrolein	0.531	0.784	-47.6#	116	0.00
14 M	Acrylonitrile	1.358	1.704	-25.5#	102	0.00
15 M	Acetone	0.433	0.568	-31.2#	97	0.00
16 M	Carbon Disulfide	7.695	8.167	-6.1	88	0.00
17	Allyl chloride	3.365	4.213	-25.2#	105	0.00
18 M	Methylene Chloride	3.620	4.232	-16.9	95	0.00
19 M	trans-1,2-Dichloroethene	3.390	3.762	-11.0	90	0.00
20 T	Diisopropyl ether	7.832	10.414	-33.0#	107	0.00
21 M	1,1-Dichloroethane	5.724	6.934	-21.1	98	0.00
22 M	cis-1,2-Dichloroethene	4.061	4.548	-12.0	91	0.00
23 M	tert-Butyl Alcohol	0.586	0.635	-8.4	89	0.00
24 M	Methyl tert-Butyl Ether	10.643	12.606	-18.4	98	0.00
25 M	Chloroform	6.579	7.903	-20.1	96	0.00
26	Cyclohexane	4.669	5.464	-17.0	94	0.00
27 s	1,2-Dichloroethane-d4	2.675	2.868	-7.2	87	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	79	0.00
29	1,1-Dichloropropene	0.632	0.742	-17.4	92	0.00
30 M	2-Butanone	0.232	0.311	-34.1#	103	0.00
31	2,2-Dichloropropane	0.740	0.855	-15.5	90	0.00
32 M	1,1,1-Trichloroethane	0.816	0.985	-20.7	93	0.00
33 M	Carbon Tetrachloride	0.708	0.819	-15.7	91	0.00
34 M	Benzene	1.945	2.246	-15.5	90	0.00
35	Methacrylonitrile	0.237	0.334	-40.9#	110	0.00
36 M	1,2-Dichloroethane	0.664	0.824	-24.1	95	0.00
37 M	Trichloroethene	0.492	0.540	-9.8	87	0.00
38	Methylcyclohexane	0.831	0.899	-8.2	85	0.00
39 M	1,2-Dichloropropane	0.450	0.556	-23.6	98	0.00
40	Dibromomethane	0.355	0.427	-20.3	96	0.00
41 M	Bromodichloromethane	0.702	0.829	-18.1	93	0.00
42 M	Vinyl Acetate	0.730	0.883	-21.0	105	0.00
43	Ethyl Acetate	0.449	0.616	-37.2#	103	0.00
44	Isopropyl Acetate	0.795	1.079	-35.7#	103	0.00
45 T	1,4-Dioxane	0.010	0.011	-10.0	90	0.00
46	Methyl methacrylate	0.362	0.491	-35.6#	107	0.00
47	n-amyl Acetate	0.637	0.790	-24.0	98	0.00
48 M	t-1,3-Dichloropropene	0.714	0.812	-13.7	89	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.771	0.897	-16.3	90	0.00
50 M	1,1,2-Trichloroethane	0.504	0.591	-17.3	91	0.00
51	Ethyl methacrylate	0.698	0.834	-19.5	93	0.00
52	1,3-Dichloropropane	0.818	0.982	-20.0	93	0.00
53 M	Dibromochloromethane	0.519	0.605	-16.6	89	0.00
54 M	1,2-Dibromoethane	0.516	0.595	-15.3	94	0.00
55 M	2-Chloroethyl vinyl ether	0.229	0.224	2.2	76	0.00
56 M	Bromoform	0.324	0.351	-8.3	85	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
58 M	4-Methyl-2-Pentanone	0.432	0.603	-39.6#	107	0.00
59 M	2-Hexanone	0.318	0.425	-33.6#	101	0.00
60 S	4-Bromofluorobenzene	0.526	0.541	-2.9	78	0.00
61 M	Tetrachloroethene	0.350	0.406	-16.0	88	0.00
62 M	Toluene	2.018	2.395	-18.7	91	0.00
63 S	Toluene-d8	1.057	1.061	-0.4	79	0.00
64 M	Chlorobenzene	1.233	1.409	-14.3	88	0.00
65	1,1,1,2-Tetrachloroethane	0.440	0.518	-17.7	89	0.00
66 M	Ethyl Benzene	2.203	2.521	-14.4	88	0.00
67 M	m/p-Xylenes	0.858	0.960	-11.9	85	0.00
68 M	o-Xylene	0.852	0.956	-12.2	86	0.00
69 M	Styrene	1.325	1.507	-13.7	87	0.00
70	Isopropylbenzene	2.163	2.414	-11.6	84	0.00
71 M	1,1,2,2-Tetrachloroethane	0.659	0.785	-19.1	93	0.00
72	1,2,3-Trichloropropane	0.560	0.679	-21.2	94	0.00
73	Bromobenzene	0.465	0.519	-11.6	85	0.00
74	n-propylbenzene	2.407	2.521	-4.7	81	0.00
75	2-Chlorotoluene	1.485	1.647	-10.9	85	0.00
76	1,3,5-Trimethylbenzene	1.667	1.601	4.0	72	0.00
77	t-1,4-Dichloro-2-butene	0.185	0.194	-4.9	78	0.00
78	4-Chlorotoluene	1.406	1.573	-11.9	85	0.00
79	tert-butylbenzene	1.542	1.489	3.4	72	0.00
80	1,2,4-Trimethylbenzene	1.533	1.357	11.5	65	0.00
81	sec-Butylbenzene	2.150	1.777	17.3	62	0.00
82	p-Isopropyltoluene	1.685	1.354	19.6	61	0.00
83 M	1,3-Dichlorobenzene	0.814	0.873	-7.2	81	0.00
84 M	1,4-Dichlorobenzene	0.804	0.812	-1.0	78	0.00
85	n-Butylbenzene	1.302	0.809	37.9#	47#	0.00
86 T	Hexachloroethane	0.341	0.312	8.5	70	0.00
87 M	1,2-Dichlorobenzene	0.828	0.851	-2.8	78	0.00
88	1,2-Dibromo-3-Chloropropane	0.122	0.143	-17.2	93	0.00
89	1,2,4-Trichlorobenzene	0.217	0.097	55.3#	38#	0.00
90	Hexachlorobutadiene	0.177	0.067	62.1#	30#	0.00
91 M	Naphthalene	0.793	0.285	64.1#	32#	0.00
92	1,2,3-Trichlorobenzene	0.203	0.081	60.1#	36#	0.00

(#) = Out of Range

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