

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079057.D
 Acq On : 28 Aug 2023 10:35
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 29 05:18:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 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	99	0.00
2 M	Dichlorodifluoromethane	1.893	1.996	-5.4	104	0.00
3 M	Chloromethane	2.269	2.376	-4.7	102	0.00
4 M	Vinyl Chloride	2.245	2.322	-3.4	101	0.00
5 M	Bromomethane	1.386	1.569	-13.2	114	-0.02
6 M	Chloroethane	1.459	1.459	0.0	101	-0.01
7 M	Trichlorofluoromethane	3.024	3.394	-12.2	114	0.00
8 T	Diethyl Ether	1.137	1.258	-10.6	107	0.00
9	1,1,2-Trichlorotrifluoroeth	1.579	1.867	-18.2	116	0.00
10 M	1,1-Dichloroethene	1.589	1.730	-8.9	104	0.00
11	Methyl Iodide	1.918	2.080	-8.4	106	-0.01
12	Methyl Acetate	3.725	4.047	-8.6	105	0.00
13 M	Acrolein	0.260	0.215	17.3	85	0.00
14 M	Acrylonitrile	0.979	1.047	-6.9	102	-0.02
15 M	Acetone	0.300	0.466	-55.3#	155#	0.00
16 M	Carbon Disulfide	4.566	4.702	-3.0	99	0.00
17	Allyl chloride	2.913	3.004	-3.1	101	0.00
18 M	Methylene Chloride	1.900	2.157	-13.5	110	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.972	-10.3	111	0.00
20 T	Diisopropyl ether	6.336	6.694	-5.7	101	0.00
21 M	1,1-Dichloroethane	3.516	3.657	-4.0	101	0.00
22 M	cis-1,2-Dichloroethene	2.047	2.243	-9.6	102	0.00
23 M	tert-Butyl Alcohol	0.365	0.394	-7.9	101	0.00
24 M	Methyl tert-Butyl Ether	5.641	6.275	-11.2	105	0.00
25 M	Chloroform	3.542	3.780	-6.7	105	0.00
26	Cyclohexane	2.572	2.973	-15.6	111	0.00
27 s	1,2-Dichloroethane-d4	2.430	2.433	-0.1	99	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
29	1,1-Dichloropropene	0.456	0.483	-5.9	104	0.00
30 M	2-Butanone	0.267	0.291	-9.0	112	0.00
31	2,2-Dichloropropane	0.504	0.530	-5.2	105	0.00
32 M	1,1,1-Trichloroethane	0.545	0.563	-3.3	104	0.00
33 M	Carbon Tetrachloride	0.472	0.493	-4.4	104	0.00
34 M	Benzene	1.368	1.397	-2.1	102	0.00
35	Methacrylonitrile	0.285	0.282	1.1	97	0.00
36 M	1,2-Dichloroethane	0.512	0.505	1.4	101	0.00
37 M	Trichloroethene	0.340	0.361	-6.2	110	0.00
38	Methylcyclohexane	0.402	0.481	-19.7	120	0.00
39 M	1,2-Dichloropropane	0.368	0.371	-0.8	104	0.00
40	Dibromomethane	0.247	0.244	1.2	100	0.00
41 M	Bromodichloromethane	0.497	0.495	0.4	100	0.00
42 M	Vinyl Acetate	0.753	0.727	3.5	95	0.00
43	Ethyl Acetate	0.518	0.512	1.2	103	0.00
44	Isopropyl Acetate	0.913	0.828	9.3	90	0.00
45 T	1,4-Dioxane	0.007	0.006	14.3	93	0.00
46	Methyl methacrylate	0.402	0.398	1.0	97	0.00
47	n-amyl Acetate	0.701	0.650	7.3	90	0.00
48 M	t-1,3-Dichloropropene	0.529	0.544	-2.8	104	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.567	0.562	0.9	100	0.00
50 M	1,1,2-Trichloroethane	0.334	0.346	-3.6	102	0.00
51	Ethyl methacrylate	0.516	0.507	1.7	96	0.00
52	1,3-Dichloropropane	0.598	0.613	-2.5	103	0.00
53 M	Dibromochloromethane	0.365	0.363	0.5	103	0.00
54 M	1,2-Dibromoethane	0.343	0.352	-2.6	103	0.00
55 M	2-Chloroethyl vinyl ether	0.239	0.149	37.7#	67	0.00
56 M	Bromoform	0.258	0.257	0.4	102	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	0.595	0.580	2.5	99	0.00
59 M	2-Hexanone	0.436	0.448	-2.8	103	0.00
60 S	4-Bromofluorobenzene	0.438	0.433	1.1	100	0.00
61 M	Tetrachloroethene	0.290	0.331	-14.1	114	0.00
62 M	Toluene	1.638	1.692	-3.3	103	0.00
63 S	Toluene-d8	1.401	1.376	1.8	99	0.00
64 M	Chlorobenzene	0.985	1.027	-4.3	104	0.00
65	1,1,1,2-Tetrachloroethane	0.377	0.378	-0.3	100	0.00
66 M	Ethyl Benzene	1.713	1.799	-5.0	106	0.00
67 M	m/p-Xylenes	0.639	0.693	-8.5	107	0.00
68 M	o-Xylene	0.630	0.684	-8.6	109	0.00
69 M	Styrene	1.023	1.070	-4.6	103	0.00
70	Isopropylbenzene	1.526	1.717	-12.5	112	0.00
71 M	1,1,2,2-Tetrachloroethane	0.572	0.544	4.9	95	0.00
72	1,2,3-Trichloropropane	0.469	0.444	5.3	98	0.00
73	Bromobenzene	0.389	0.399	-2.6	103	0.00
74	n-propylbenzene	1.730	1.955	-13.0	111	0.00
75	2-Chlorotoluene	1.097	1.192	-8.7	108	0.00
76	1,3,5-Trimethylbenzene	1.210	1.400	-15.7	115	0.00
77	t-1,4-Dichloro-2-butene	0.174	0.164	5.7	95	0.00
78	4-Chlorotoluene	1.051	1.137	-8.2	107	0.00
79	tert-butylbenzene	1.022	1.178	-15.3	117	0.00
80	1,2,4-Trimethylbenzene	1.190	1.387	-16.6	115	0.00
81	sec-Butylbenzene	1.349	1.644	-21.9	119	0.00
82	p-Isopropyltoluene	1.101	1.374	-24.8	119	0.00
83 M	1,3-Dichlorobenzene	0.627	0.694	-10.7	113	0.00
84 M	1,4-Dichlorobenzene	0.616	0.652	-5.8	103	0.00
85	n-Butylbenzene	0.866	1.094	-26.3#	123	0.00
86 T	Hexachloroethane	0.225	0.261	-16.0	118	0.00
87 M	1,2-Dichlorobenzene	0.642	0.668	-4.0	102	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.095	7.8	87	0.00
89	1,2,4-Trichlorobenzene	0.254	0.275	-8.3	102	0.00
90	Hexachlorobutadiene	0.132	0.165	-25.0	114	0.00
91 M	Naphthalene	0.731	0.710	2.9	91	0.00
92	1,2,3-Trichlorobenzene	0.254	0.275	-8.3	102	0.00

(#) = Out of Range

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