

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111023\
 Data File : VN080053.D
 Acq On : 10 Nov 2023 16:31
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 10 23:58:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 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	108	0.00
2 M	Dichlorodifluoromethane	1.956	2.411	-23.3	127	0.00
3 M	Chloromethane	2.464	2.625	-6.5	112	0.00
4 M	Vinyl Chloride	2.059	2.515	-22.1	135	0.00
5 M	Bromomethane	1.127	1.243	-10.3	123	0.00
6 M	Chloroethane	1.196	1.469	-22.8	145	0.00
7 M	Trichlorofluoromethane	3.090	3.549	-14.9	129	0.00
8 T	Diethyl Ether	1.109	1.298	-17.0	126	0.00
9	1,1,2-Trichlorotrifluoroeth	1.746	2.010	-15.1	128	-0.01
10 M	1,1-Dichloroethene	1.545	1.939	-25.5#	126	0.00
11	Methyl Iodide	2.043	2.190	-7.2	112	0.00
12	Methyl Acetate	4.005	4.166	-4.0	110	0.00
13 M	Acrolein	0.338	0.329	2.7	116	0.00
14 M	Acrylonitrile	0.951	1.061	-11.6	118	0.00
15 M	Acetone	0.321	0.265	17.4	86	-0.01
16 M	Carbon Disulfide	5.274	5.643	-7.0	107	0.00
17	Allyl chloride	2.699	2.889	-7.0	117	0.00
18 M	Methylene Chloride	2.071	2.369	-14.4	125	0.00
19 M	trans-1,2-Dichloroethene	1.915	2.195	-14.6	121	0.00
20 T	Diisopropyl ether	6.307	6.575	-4.2	108	-0.01
21 M	1,1-Dichloroethane	3.765	3.978	-5.7	111	0.00
22 M	cis-1,2-Dichloroethene	2.222	2.297	-3.4	110	0.00
23 M	tert-Butyl Alcohol	0.257	0.251	2.3	102	0.00
24 M	Methyl tert-Butyl Ether	5.687	6.568	-15.5	120	0.00
25 M	Chloroform	3.886	4.169	-7.3	113	0.00
26	Cyclohexane	2.962	2.922	1.4	105	0.00
27 s	1,2-Dichloroethane-d4	2.518	2.582	-2.5	110	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	110	0.00
29	1,1-Dichloropropene	0.515	0.527	-2.3	110	0.00
30 M	2-Butanone	0.246	0.215	12.6	95	0.00
31	2,2-Dichloropropane	0.556	0.578	-4.0	112	0.00
32 M	1,1,1-Trichloroethane	0.588	0.623	-6.0	116	0.00
33 M	Carbon Tetrachloride	0.517	0.547	-5.8	115	0.00
34 M	Benzene	1.530	1.566	-2.4	110	0.00
35	Methacrylonitrile	0.258	0.252	2.3	107	0.00
36 M	1,2-Dichloroethane	0.554	0.578	-4.3	113	0.00
37 M	Trichloroethene	0.368	0.383	-4.1	113	0.00
38	Methylcyclohexane	0.483	0.483	0.0	109	0.00
39 M	1,2-Dichloropropane	0.405	0.416	-2.7	110	0.00
40	Dibromomethane	0.262	0.274	-4.6	114	0.00
41 M	Bromodichloromethane	0.542	0.611	-12.7	124	0.00
42 M	Vinyl Acetate	0.611	0.603	1.3	107	0.00
43	Ethyl Acetate	0.462	0.445	3.7	97	0.00
44	Isopropyl Acetate	0.753	0.748	0.7	108	0.00
45 T	1,4-Dioxane	0.006	0.006	0.0	105	-0.01
46	Methyl methacrylate	0.362	0.367	-1.4	109	0.00
47	n-amyl Acetate	0.605	0.513	15.2	92	0.00
48 M	t-1,3-Dichloropropene	0.554	0.624	-12.6	122	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.612	0.712	-16.3	125	0.00
50 M	1,1,2-Trichloroethane	0.357	0.378	-5.9	115	0.00
51	Ethyl methacrylate	0.513	0.539	-5.1	113	0.00
52	1,3-Dichloropropane	0.638	0.684	-7.2	114	0.00
53 M	Dibromochloromethane	0.382	0.415	-8.6	117	0.00
54 M	1,2-Dibromoethane	0.358	0.414	-15.6	126	0.00
55 M	2-Chloroethyl vinyl ether	0.236	0.287	-21.6	129	0.00
56 M	Bromoform	0.250	0.233	6.8	101	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	122	0.00
58 M	4-Methyl-2-Pentanone	0.501	0.492	1.8	116	0.00
59 M	2-Hexanone	0.382	0.306	19.9	93	0.00
60 S	4-Bromofluorobenzene	0.480	0.403	16.0	103	0.00
61 M	Tetrachloroethene	0.352	0.372	-5.7	128	0.00
62 M	Toluene	1.735	1.812	-4.4	125	0.00
63 S	Toluene-d8	1.421	1.308	8.0	110	0.00
64 M	Chlorobenzene	1.035	1.062	-2.6	123	0.00
65	1,1,1,2-Tetrachloroethane	0.380	0.403	-6.1	126	0.00
66 M	Ethyl Benzene	1.823	1.899	-4.2	125	0.00
67 M	m/p-Xylenes	0.679	0.581	14.4	100	0.00
68 M	o-Xylene	0.651	0.554	14.9	102	0.00
69 M	Styrene	1.077	0.931	13.6	102	0.00
70	Isopropylbenzene	1.623	1.408	13.2	104	0.00
71 M	1,1,2,2-Tetrachloroethane	0.553	0.439	20.6	95	0.00
72	1,2,3-Trichloropropane	0.514	0.403	21.6	97	0.00
73	Bromobenzene	0.399	0.342	14.3	105	0.00
74	n-propylbenzene	1.942	1.634	15.9	101	0.00
75	2-Chlorotoluene	1.234	1.050	14.9	102	0.00
76	1,3,5-Trimethylbenzene	1.342	1.209	9.9	107	0.00
77	t-1,4-Dichloro-2-butene	0.168	0.135	19.6	100	0.00
78	4-Chlorotoluene	1.226	1.057	13.8	104	0.00
79	tert-butylbenzene	1.051	0.942	10.4	107	0.00
80	1,2,4-Trimethylbenzene	1.316	1.194	9.3	108	0.00
81	sec-Butylbenzene	1.484	1.311	11.7	106	0.00
82	p-Isopropyltoluene	1.205	1.103	8.5	109	0.00
83 M	1,3-Dichlorobenzene	0.727	0.627	13.8	102	0.00
84 M	1,4-Dichlorobenzene	0.714	0.617	13.6	105	0.00
85	n-Butylbenzene	1.008	0.890	11.7	109	0.00
86 T	Hexachloroethane	0.234	0.201	14.1	106	0.00
87 M	1,2-Dichlorobenzene	0.695	0.597	14.1	103	0.00
88	1,2-Dibromo-3-Chloropropane	0.101	0.085	15.8	100	0.00
89	1,2,4-Trichlorobenzene	0.322	0.282	12.4	104	0.00
90	Hexachlorobutadiene	0.159	0.154	3.1	117	0.00
91 M	Naphthalene	1.033	0.887	14.1	102	0.00
92	1,2,3-Trichlorobenzene	0.322	0.282	12.4	104	0.00

(#) = Out of Range

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