

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050823\
 Data File : VN077621.D
 Acq On : 08 May 2023 17:06
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 09 06:04:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 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	98	0.00
2 M	Dichlorodifluoromethane	1.970	1.853	5.9	93	0.00
3 M	Chloromethane	1.497	1.500	-0.2	104	0.00
4 M	Vinyl Chloride	2.303	2.203	4.3	100	0.00
5 M	Bromomethane	1.535	1.896	-23.5	128	0.00
6 M	Chloroethane	1.505	1.564	-3.9	112	0.00
7 M	Trichlorofluoromethane	3.133	2.785	11.1	88	0.00
8 T	Diethyl Ether	0.987	1.014	-2.7	110	0.00
9	1,1,2-Trichlorotrifluoroeth	1.691	1.662	1.7	105	0.00
10 M	1,1-Dichloroethene	1.598	1.510	5.5	101	0.00
11	Methyl Iodide	2.486	2.369	4.7	102	0.00
12	Methyl Acetate	1.932	1.994	-3.2	105	-0.01
13 M	Acrolein	0.237	0.200	15.6	92	0.00
14 M	Acrylonitrile	0.588	0.594	-1.0	103	0.00
15 M	Acetone	0.178	0.198	-11.2	114	0.00
16 M	Carbon Disulfide	3.840	3.442	10.4	99	0.00
17	Allyl chloride	1.659	1.594	3.9	102	0.00
18 M	Methylene Chloride	1.943	1.895	2.5	105	0.00
19 M	trans-1,2-Dichloroethene	1.798	1.763	1.9	102	0.00
20 T	Diisopropyl ether	4.035	3.958	1.9	97	0.00
21 M	1,1-Dichloroethane	2.960	2.981	-0.7	103	0.00
22 M	cis-1,2-Dichloroethene	2.167	2.099	3.1	99	0.00
23 M	tert-Butyl Alcohol	0.230	0.248	-7.8	107	0.00
24 M	Methyl tert-Butyl Ether	5.410	5.268	2.6	98	0.00
25 M	Chloroform	3.528	3.510	0.5	100	0.00
26	Cyclohexane	2.430	2.324	4.4	98	0.00
27 s	1,2-Dichloroethane-d4	2.157	2.213	-2.6	100	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
29	1,1-Dichloropropene	0.432	0.409	5.3	100	0.00
30 M	2-Butanone	0.115	0.128	-11.3	111	0.00
31	2,2-Dichloropropane	0.503	0.463	8.0	98	0.00
32 M	1,1,1-Trichloroethane	0.559	0.550	1.6	105	0.00
33 M	Carbon Tetrachloride	0.473	0.454	4.0	100	0.00
34 M	Benzene	1.304	1.250	4.1	99	0.00
35	Methacrylonitrile	0.131	0.145	-10.7	104	0.00
36 M	1,2-Dichloroethane	0.435	0.429	1.4	102	0.00
37 M	Trichloroethene	0.337	0.316	6.2	99	0.00
38	Methylcyclohexane	0.556	0.537	3.4	104	0.00
39 M	1,2-Dichloropropane	0.302	0.292	3.3	99	0.00
40	Dibromomethane	0.238	0.225	5.5	98	0.00
41 M	Bromodichloromethane	0.479	0.461	3.8	99	0.00
42 M	Vinyl Acetate	0.427	0.408	4.4	97	0.00
43	Ethyl Acetate	0.247	0.255	-3.2	107	0.00
44	Isopropyl Acetate	0.453	0.450	0.7	101	0.00
45 T	1,4-Dioxane	0.006	0.006	0.0	114	0.00
46	Methyl methacrylate	0.203	0.205	-1.0	97	0.00
47	n-amyl Acetate	0.390	0.385	1.3	99	0.00
48 M	t-1,3-Dichloropropene	0.483	0.453	6.2	99	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.530	0.508	4.2	101	0.00
50 M	1,1,2-Trichloroethane	0.343	0.346	-0.9	103	0.00
51	Ethyl methacrylate	0.442	0.442	0.0	102	0.00
52	1,3-Dichloropropane	0.554	0.538	2.9	100	0.00
53 M	Dibromochloromethane	0.357	0.345	3.4	98	0.00
54 M	1,2-Dibromoethane	0.340	0.330	2.9	98	0.00
55 M	2-Chloroethyl vinyl ether	0.200	0.206	-3.0	101	0.00
56 M	Bromoform	0.210	0.209	0.5	103	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	0.276	0.299	-8.3	105	0.00
59 M	2-Hexanone	0.199	0.217	-9.0	108	0.00
60 S	4-Bromofluorobenzene	0.477	0.469	1.7	98	0.00
61 M	Tetrachloroethene	0.290	0.291	-0.3	104	0.00
62 M	Toluene	1.661	1.623	2.3	102	0.00
63 S	Toluene-d8	1.386	1.385	0.1	100	0.00
64 M	Chlorobenzene	1.021	0.990	3.0	101	0.00
65	1,1,1,2-Tetrachloroethane	0.368	0.359	2.4	96	0.00
66 M	Ethyl Benzene	1.840	1.809	1.7	101	0.00
67 M	m/p-Xylenes	0.724	0.716	1.1	101	0.00
68 M	o-Xylene	0.714	0.706	1.1	101	0.00
69 M	Styrene	1.141	1.121	1.8	102	0.00
70	Isopropylbenzene	1.853	1.854	-0.1	103	0.00
71 M	1,1,2,2-Tetrachloroethane	0.497	0.506	-1.8	104	0.00
72	1,2,3-Trichloropropane	0.414	0.443	-7.0	107	0.00
73	Bromobenzene	0.388	0.382	1.5	102	0.00
74	n-propylbenzene	2.072	2.040	1.5	104	0.00
75	2-Chlorotoluene	1.253	1.247	0.5	103	0.00
76	1,3,5-Trimethylbenzene	1.465	1.466	-0.1	105	0.00
77	t-1,4-Dichloro-2-butene	0.144	0.136	5.6	97	0.00
78	4-Chlorotoluene	1.224	1.174	4.1	101	0.00
79	tert-butylbenzene	1.312	1.304	0.6	105	0.00
80	1,2,4-Trimethylbenzene	1.422	1.389	2.3	106	0.00
81	sec-Butylbenzene	1.841	1.831	0.5	108	0.00
82	p-Isopropyltoluene	1.465	1.448	1.2	107	0.00
83 M	1,3-Dichlorobenzene	0.720	0.701	2.6	105	0.00
84 M	1,4-Dichlorobenzene	0.705	0.671	4.8	104	0.00
85	n-Butylbenzene	1.205	1.121	7.0	111	0.00
86 T	Hexachloroethane	0.273	0.259	5.1	102	0.00
87 M	1,2-Dichlorobenzene	0.699	0.699	0.0	106	0.00
88	1,2-Dibromo-3-Chloropropane	0.090	0.094	-4.4	107	0.00
89	1,2,4-Trichlorobenzene	0.241	0.208	13.7	106	0.00
90	Hexachlorobutadiene	0.136	0.150	-10.3	134	0.00
91 M	Naphthalene	0.822	0.743	9.6	110	0.00
92	1,2,3-Trichlorobenzene	0.222	0.205	7.7	113	0.00

(#) = Out of Range

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