

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042123\
 Data File : VN077417.D
 Acq On : 21 Apr 2023 09:50
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 22 02:38:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 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	100	0.00
2 M	Dichlorodifluoromethane	2.852	2.721	4.6	103	0.00
3 M	Chloromethane	3.789	2.574	32.1#	73	0.00
4 M	Vinyl Chloride	5.427	3.614	33.4#	72	0.00
5 M	Bromomethane	4.090	3.001	26.6#	87	0.01
6 M	Chloroethane	3.638	2.723	25.2#	79	0.00
7 M	Trichlorofluoromethane	5.053	5.013	0.8	109	0.00
8 T	Diethyl Ether	2.154	1.923	10.7	95	0.00
9	1,1,2-Trichlorotrifluoroeth	3.160	3.230	-2.2	109	0.00
10 M	1,1-Dichloroethene	3.161	2.862	9.5	100	0.00
11	Methyl Iodide	3.571	3.648	-2.2	106	0.00
12	Methyl Acetate	4.710	3.726	20.9	85	0.00
13 M	Acrolein	0.585	0.501	14.4	88	0.00
14 M	Acrylonitrile	1.610	1.263	21.6	85	0.00
15 M	Acetone	0.584	0.421	27.9#	67	0.00
16 M	Carbon Disulfide	8.344	6.803	18.5	90	0.00
17	Allyl chloride	4.069	3.240	20.4	82	0.00
18 M	Methylene Chloride	3.671	3.259	11.2	98	0.00
19 M	trans-1,2-Dichloroethene	3.437	3.215	6.5	103	0.00
20 T	Diisopropyl ether	9.699	8.000	17.5	90	0.00
21 M	1,1-Dichloroethane	6.147	5.448	11.4	97	0.00
22 M	cis-1,2-Dichloroethene	4.190	3.909	6.7	104	0.00
23 M	tert-Butyl Alcohol	0.716	0.499	30.3#	71	0.00
24 M	Methyl tert-Butyl Ether	11.381	10.129	11.0	96	0.00
25 M	Chloroform	6.662	6.281	5.7	103	0.00
26	Cyclohexane	5.342	4.436	17.0	91	0.00
27 s	1,2-Dichloroethane-d4	2.544	2.535	0.4	101	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
29	1,1-Dichloropropene	0.650	0.608	6.5	102	0.00
30 M	2-Butanone	0.307	0.216	29.6#	72	0.00
31	2,2-Dichloropropane	0.798	0.725	9.1	100	0.00
32 M	1,1,1-Trichloroethane	0.800	0.754	5.8	102	0.00
33 M	Carbon Tetrachloride	0.683	0.672	1.6	106	0.00
34 M	Benzene	2.011	1.830	9.0	99	0.00
35	Methacrylonitrile	0.290	0.234	19.3	89	0.00
36 M	1,2-Dichloroethane	0.630	0.599	4.9	102	0.00
37 M	Trichloroethene	0.492	0.471	4.3	107	0.00
38	Methylcyclohexane	0.881	0.797	9.5	100	0.00
39 M	1,2-Dichloropropane	0.499	0.432	13.4	94	0.00
40	Dibromomethane	0.360	0.336	6.7	102	0.00
41 M	Bromodichloromethane	0.717	0.662	7.7	100	0.00
42 M	Vinyl Acetate	0.889	0.780	12.3	96	0.00
43	Ethyl Acetate	0.569	0.444	22.0	85	0.00
44	Isopropyl Acetate	1.018	0.793	22.1	83	0.00
45 T	1,4-Dioxane	0.011	0.008	27.3#	84	0.00
46	Methyl methacrylate	0.438	0.347	20.8	87	0.00
47	n-amyl Acetate	0.890	0.674	24.3	83	0.00
48 M	t-1,3-Dichloropropene	0.803	0.704	12.3	98	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.854	0.766	10.3	98	0.00
50 M	1,1,2-Trichloroethane	0.522	0.488	6.5	104	0.00
51	Ethyl methacrylate	0.802	0.683	14.8	93	0.00
52	1,3-Dichloropropane	0.872	0.790	9.4	100	0.00
53 M	Dibromochloromethane	0.551	0.515	6.5	103	0.00
54 M	1,2-Dibromoethane	0.524	0.483	7.8	100	0.00
55 M	2-Chloroethyl vinyl ether	0.248	0.245	1.2	107	0.00
56 M	Bromoform	0.370	0.328	11.4	97	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
58 M	4-Methyl-2-Pentanone	0.562	0.416	26.0#	80	0.00
59 M	2-Hexanone	0.434	0.311	28.3#	76	0.00
60 S	4-Bromofluorobenzene	0.519	0.503	3.1	103	0.00
61 M	Tetrachloroethene	0.357	0.329	7.8	106	0.00
62 M	Toluene	2.093	1.885	9.9	101	0.00
63 S	Toluene-d8	1.055	1.024	2.9	103	0.00
64 M	Chlorobenzene	1.272	1.172	7.9	104	0.00
65	1,1,1,2-Tetrachloroethane	0.468	0.423	9.6	99	0.00
66 M	Ethyl Benzene	2.319	2.090	9.9	101	0.00
67 M	m/p-Xylenes	0.909	0.824	9.4	103	0.00
68 M	o-Xylene	0.909	0.825	9.2	102	0.00
69 M	Styrene	1.457	1.311	10.0	102	0.00
70	Isopropylbenzene	2.308	2.136	7.5	103	0.00
71 M	1,1,2,2-Tetrachloroethane	0.707	0.610	13.7	97	0.00
72	1,2,3-Trichloropropane	0.480	0.440	8.3	96	0.00
73	Bromobenzene	0.469	0.437	6.8	104	0.00
74	n-propylbenzene	2.553	2.352	7.9	105	0.00
75	2-Chlorotoluene	1.530	1.415	7.5	103	0.00
76	1,3,5-Trimethylbenzene	1.878	1.649	12.2	98	0.00
77	t-1,4-Dichloro-2-butene	0.245	0.183	25.3#	84	0.00
78	4-Chlorotoluene	1.445	1.342	7.1	106	0.00
79	tert-butylbenzene	1.635	1.523	6.9	103	0.00
80	1,2,4-Trimethylbenzene	1.831	1.552	15.2	93	0.00
81	sec-Butylbenzene	2.335	2.154	7.8	102	0.00
82	p-Isopropyltoluene	1.870	1.669	10.7	99	0.00
83 M	1,3-Dichlorobenzene	0.889	0.811	8.8	105	0.00
84 M	1,4-Dichlorobenzene	0.862	0.794	7.9	106	0.00
85	n-Butylbenzene	1.546	1.332	13.8	100	0.00
86 T	Hexachloroethane	0.398	0.341	14.3	97	0.00
87 M	1,2-Dichlorobenzene	0.871	0.818	6.1	104	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.113	16.3	97	0.00
89	1,2,4-Trichlorobenzene	0.343	0.221	35.6#	82	0.00
90	Hexachlorobutadiene	0.176	0.174	1.1	114	0.00
91 M	Naphthalene	1.309	0.751	42.6#	71	0.00
92	1,2,3-Trichlorobenzene	0.334	0.202	39.5#	74	0.00

(#) = Out of Range

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