

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040723\
 Data File : VN077282.D
 Acq On : 07 Apr 2023 17:53
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 08 05:23:21 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	87	0.00
2 M	Dichlorodifluoromethane	2.852	2.752	3.5	91	0.00
3 M	Chloromethane	3.789	3.726	1.7	92	0.00
4 M	Vinyl Chloride	5.427	5.167	4.8	90	0.00
5 M	Bromomethane	4.090	3.622	11.4	91	0.01
6 M	Chloroethane	3.638	3.713	-2.1	94	0.01
7 M	Trichlorofluoromethane	5.053	4.743	6.1	90	0.00
8 T	Diethyl Ether	2.154	2.108	2.1	91	0.00
9	1,1,2-Trichlorotrifluoroeth	3.160	3.061	3.1	90	0.00
10 M	1,1-Dichloroethene	3.161	2.995	5.3	92	0.00
11	Methyl Iodide	3.571	3.505	1.8	89	0.00
12	Methyl Acetate	4.710	4.799	-1.9	95	0.00
13 M	Acrolein	0.585	0.579	1.0	88	0.00
14 M	Acrylonitrile	1.610	1.669	-3.7	98	0.00
15 M	Acetone	0.584	0.467	20.0	64	0.00
16 M	Carbon Disulfide	8.344	7.535	9.7	87	0.00
17	Allyl chloride	4.069	3.613	11.2	80	0.00
18 M	Methylene Chloride	3.671	3.437	6.4	90	0.00
19 M	trans-1,2-Dichloroethene	3.437	3.258	5.2	91	0.01
20 T	Diisopropyl ether	9.699	9.373	3.4	92	0.00
21 M	1,1-Dichloroethane	6.147	5.942	3.3	92	0.00
22 M	cis-1,2-Dichloroethene	4.190	4.005	4.4	93	0.00
23 M	tert-Butyl Alcohol	0.716	0.718	-0.3	90	0.01
24 M	Methyl tert-Butyl Ether	11.381	11.257	1.1	93	0.00
25 M	Chloroform	6.662	6.449	3.2	92	0.00
26	Cyclohexane	5.342	5.078	4.9	91	0.00
27 s	1,2-Dichloroethane-d4	2.544	2.629	-3.3	92	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
29	1,1-Dichloropropene	0.650	0.607	6.6	89	0.00
30 M	2-Butanone	0.307	0.279	9.1	81	0.00
31	2,2-Dichloropropane	0.798	0.726	9.0	87	0.00
32 M	1,1,1-Trichloroethane	0.800	0.762	4.8	90	0.00
33 M	Carbon Tetrachloride	0.683	0.650	4.8	89	0.00
34 M	Benzene	2.011	1.914	4.8	90	0.00
35	Methacrylonitrile	0.290	0.312	-7.6	104	0.00
36 M	1,2-Dichloroethane	0.630	0.635	-0.8	94	0.00
37 M	Trichloroethene	0.492	0.463	5.9	91	0.00
38	Methylcyclohexane	0.881	0.826	6.2	90	0.00
39 M	1,2-Dichloropropane	0.499	0.478	4.2	90	0.00
40	Dibromomethane	0.360	0.358	0.6	94	0.00
41 M	Bromodichloromethane	0.717	0.688	4.0	90	0.00
42 M	Vinyl Acetate	0.889	0.865	2.7	93	0.00
43	Ethyl Acetate	0.569	0.588	-3.3	98	0.00
44	Isopropyl Acetate	1.018	1.008	1.0	92	0.00
45 T	1,4-Dioxane	0.011	0.011	0.0	97	0.00
46	Methyl methacrylate	0.438	0.426	2.7	93	0.00
47	n-amyl Acetate	0.890	0.868	2.5	93	0.00
48 M	t-1,3-Dichloropropene	0.803	0.773	3.7	93	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.854	0.824	3.5	92	0.00
50 M	1,1,2-Trichloroethane	0.522	0.509	2.5	94	0.00
51	Ethyl methacrylate	0.802	0.790	1.5	94	0.00
52	1,3-Dichloropropane	0.872	0.855	1.9	94	0.00
53 M	Dibromochloromethane	0.551	0.543	1.5	95	0.00
54 M	1,2-Dibromoethane	0.524	0.514	1.9	93	0.00
55 M	2-Chloroethyl vinyl ether	0.248	0.253	-2.0	96	0.00
56 M	Bromoform	0.370	0.354	4.3	91	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
58 M	4-Methyl-2-Pentanone	0.562	0.564	-0.4	94	0.00
59 M	2-Hexanone	0.434	0.412	5.1	87	0.00
60 S	4-Bromofluorobenzene	0.519	0.502	3.3	89	0.00
61 M	Tetrachloroethene	0.357	0.341	4.5	94	0.00
62 M	Toluene	2.093	1.976	5.6	91	0.00
63 S	Toluene-d8	1.055	1.045	0.9	91	0.00
64 M	Chlorobenzene	1.272	1.212	4.7	93	0.00
65	1,1,1,2-Tetrachloroethane	0.468	0.447	4.5	90	0.00
66 M	Ethyl Benzene	2.319	2.193	5.4	92	0.00
67 M	m/p-Xylenes	0.909	0.858	5.6	93	0.00
68 M	o-Xylene	0.909	0.872	4.1	93	0.00
69 M	Styrene	1.457	1.386	4.9	93	0.00
70	Isopropylbenzene	2.308	2.161	6.4	90	0.00
71 M	1,1,2,2-Tetrachloroethane	0.707	0.709	-0.3	97	0.00
72	1,2,3-Trichloropropane	0.480	0.498	-3.8	94	0.00
73	Bromobenzene	0.469	0.449	4.3	92	0.00
74	n-propylbenzene	2.553	2.419	5.2	93	0.00
75	2-Chlorotoluene	1.530	1.481	3.2	93	0.00
76	1,3,5-Trimethylbenzene	1.878	1.785	5.0	91	0.00
77	t-1,4-Dichloro-2-butene	0.245	0.256	-4.5	102	0.00
78	4-Chlorotoluene	1.445	1.375	4.8	94	0.00
79	tert-butylbenzene	1.635	1.578	3.5	92	0.00
80	1,2,4-Trimethylbenzene	1.831	1.748	4.5	90	0.00
81	sec-Butylbenzene	2.335	2.189	6.3	89	0.00
82	p-Isopropyltoluene	1.870	1.756	6.1	90	0.00
83 M	1,3-Dichlorobenzene	0.889	0.822	7.5	92	0.00
84 M	1,4-Dichlorobenzene	0.862	0.782	9.3	90	0.00
85	n-Butylbenzene	1.546	1.378	10.9	90	0.00
86 T	Hexachloroethane	0.398	0.369	7.3	91	0.00
87 M	1,2-Dichlorobenzene	0.871	0.832	4.5	92	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.126	6.7	94	0.00
89	1,2,4-Trichlorobenzene	0.343	0.301	12.2	96	0.00
90	Hexachlorobutadiene	0.176	0.160	9.1	90	0.00
91 M	Naphthalene	1.309	1.226	6.3	100	0.00
92	1,2,3-Trichlorobenzene	0.334	0.292	12.6	92	0.00

(#) = Out of Range

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