

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041023\
 Data File : VN077289.D
 Acq On : 10 Apr 2023 16:31
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 11 01:23:27 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	96	0.00
2 M	Dichlorodifluoromethane	2.852	2.585	9.4	94	0.00
3 M	Chloromethane	3.789	3.290	13.2	90	0.00
4 M	Vinyl Chloride	5.427	4.871	10.2	93	0.00
5 M	Bromomethane	4.090	3.355	18.0	93	0.02
6 M	Chloroethane	3.638	3.057	16.0	86	0.01
7 M	Trichlorofluoromethane	5.053	4.773	5.5	100	0.00
8 T	Diethyl Ether	2.154	1.941	9.9	92	0.00
9	1,1,2-Trichlorotrifluoroeth	3.160	2.945	6.8	96	0.00
10 M	1,1-Dichloroethene	3.161	2.882	8.8	97	0.00
11	Methyl Iodide	3.571	3.488	2.3	98	0.00
12	Methyl Acetate	4.710	4.049	14.0	89	0.00
13 M	Acrolein	0.585	0.570	2.6	96	0.00
14 M	Acrylonitrile	1.610	1.319	18.1	86	0.00
15 M	Acetone	0.584	0.368	37.0#	56	0.00
16 M	Carbon Disulfide	8.344	7.448	10.7	95	0.00
17	Allyl chloride	4.069	3.407	16.3	83	0.00
18 M	Methylene Chloride	3.671	3.466	5.6	100	0.00
19 M	trans-1,2-Dichloroethene	3.437	3.239	5.8	100	0.00
20 T	Diisopropyl ether	9.699	8.642	10.9	94	0.00
21 M	1,1-Dichloroethane	6.147	5.832	5.1	99	0.00
22 M	cis-1,2-Dichloroethene	4.190	4.103	2.1	105	0.00
23 M	tert-Butyl Alcohol	0.716	0.590	17.6	81	0.00
24 M	Methyl tert-Butyl Ether	11.381	10.601	6.9	96	0.00
25 M	Chloroform	6.662	6.305	5.4	100	0.00
26	Cyclohexane	5.342	4.834	9.5	96	0.00
27 s	1,2-Dichloroethane-d4	2.544	2.493	2.0	96	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29	1,1-Dichloropropene	0.650	0.612	5.8	99	0.00
30 M	2-Butanone	0.307	0.230	25.1#	73	0.00
31	2,2-Dichloropropane	0.798	0.701	12.2	93	0.00
32 M	1,1,1-Trichloroethane	0.800	0.750	6.3	97	0.00
33 M	Carbon Tetrachloride	0.683	0.640	6.3	97	0.00
34 M	Benzene	2.011	1.897	5.7	98	0.00
35	Methacrylonitrile	0.290	0.245	15.5	90	0.00
36 M	1,2-Dichloroethane	0.630	0.582	7.6	95	0.00
37 M	Trichloroethene	0.492	0.457	7.1	99	0.00
38	Methylcyclohexane	0.881	0.826	6.2	99	0.00
39 M	1,2-Dichloropropane	0.499	0.470	5.8	98	0.00
40	Dibromomethane	0.360	0.330	8.3	96	0.00
41 M	Bromodichloromethane	0.717	0.677	5.6	98	0.00
42 M	Vinyl Acetate	0.889	0.752	15.4	89	0.00
43	Ethyl Acetate	0.569	0.461	19.0	85	0.00
44	Isopropyl Acetate	1.018	0.908	10.8	91	0.00
45 T	1,4-Dioxane	0.011	0.009	18.2	87	0.00
46	Methyl methacrylate	0.438	0.370	15.5	89	0.00
47	n-amyl Acetate	0.890	0.768	13.7	91	0.00
48 M	t-1,3-Dichloropropene	0.803	0.738	8.1	98	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.854	0.804	5.9	99	0.00
50 M	1,1,2-Trichloroethane	0.522	0.489	6.3	100	0.00
51	Ethyl methacrylate	0.802	0.728	9.2	95	0.00
52	1,3-Dichloropropane	0.872	0.800	8.3	97	0.00
53 M	Dibromochloromethane	0.551	0.529	4.0	102	0.00
54 M	1,2-Dibromoethane	0.524	0.486	7.3	96	0.00
55 M	2-Chloroethyl vinyl ether	0.248	0.222	10.5	93	0.00
56 M	Bromoform	0.370	0.320	13.5	91	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	0.562	0.476	15.3	87	0.00
59 M	2-Hexanone	0.434	0.337	22.4	78	0.00
60 S	4-Bromofluorobenzene	0.519	0.498	4.0	97	0.00
61 M	Tetrachloroethene	0.357	0.343	3.9	104	0.00
62 M	Toluene	2.093	1.969	5.9	100	0.00
63 S	Toluene-d8	1.055	1.050	0.5	100	0.00
64 M	Chlorobenzene	1.272	1.181	7.2	99	0.00
65	1,1,1,2-Tetrachloroethane	0.468	0.451	3.6	100	0.00
66 M	Ethyl Benzene	2.319	2.174	6.3	100	0.00
67 M	m/p-Xylenes	0.909	0.861	5.3	102	0.00
68 M	o-Xylene	0.909	0.858	5.6	100	0.00
69 M	Styrene	1.457	1.351	7.3	100	0.00
70	Isopropylbenzene	2.308	2.161	6.4	99	0.00
71 M	1,1,2,2-Tetrachloroethane	0.707	0.635	10.2	95	0.00
72	1,2,3-Trichloropropane	0.480	0.454	5.4	94	0.00
73	Bromobenzene	0.469	0.434	7.5	98	0.00
74	n-propylbenzene	2.553	2.448	4.1	103	0.00
75	2-Chlorotoluene	1.530	1.436	6.1	100	0.00
76	1,3,5-Trimethylbenzene	1.878	1.814	3.4	102	0.00
77	t-1,4-Dichloro-2-butene	0.245	0.203	17.1	88	0.00
78	4-Chlorotoluene	1.445	1.346	6.9	101	0.00
79	tert-butylbenzene	1.635	1.568	4.1	100	0.00
80	1,2,4-Trimethylbenzene	1.831	1.727	5.7	98	0.00
81	sec-Butylbenzene	2.335	2.227	4.6	100	0.00
82	p-Isopropyltoluene	1.870	1.759	5.9	99	0.00
83 M	1,3-Dichlorobenzene	0.889	0.813	8.5	100	0.00
84 M	1,4-Dichlorobenzene	0.862	0.797	7.5	101	0.00
85	n-Butylbenzene	1.546	1.420	8.2	101	0.00
86 T	Hexachloroethane	0.398	0.380	4.5	102	0.00
87 M	1,2-Dichlorobenzene	0.871	0.791	9.2	96	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.112	17.0	92	0.00
89	1,2,4-Trichlorobenzene	0.343	0.272	20.7	96	0.00
90	Hexachlorobutadiene	0.176	0.164	6.8	102	0.00
91 M	Naphthalene	1.309	0.972	25.7#	87	0.00
92	1,2,3-Trichlorobenzene	0.334	0.256	23.4	89	0.00

(#) = Out of Range

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