

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041423\
 Data File : VN077341.D
 Acq On : 14 Apr 2023 09:29
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 17 05:04:34 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	83	0.00
2 M	Dichlorodifluoromethane	2.852	2.737	4.0	87	0.00
3 M	Chloromethane	3.789	3.262	13.9	77	0.00
4 M	Vinyl Chloride	5.427	4.814	11.3	80	0.00
5 M	Bromomethane	4.090	3.481	14.9	84	0.01
6 M	Chloroethane	3.638	3.421	6.0	83	0.01
7 M	Trichlorofluoromethane	5.053	4.810	4.8	87	0.00
8 T	Diethyl Ether	2.154	1.962	8.9	81	0.00
9	1,1,2-Trichlorotrifluoroeth	3.160	3.042	3.7	86	0.00
10 M	1,1-Dichloroethene	3.161	2.850	9.8	84	0.00
11	Methyl Iodide	3.571	3.543	0.8	86	0.00
12	Methyl Acetate	4.710	4.209	10.6	80	0.00
13 M	Acrolein	0.585	0.551	5.8	81	0.00
14 M	Acrylonitrile	1.610	1.377	14.5	78	0.00
15 M	Acetone	0.584	0.452	22.6	60	0.00
16 M	Carbon Disulfide	8.344	7.144	14.4	79	0.00
17	Allyl chloride	4.069	3.104	23.7	65	0.00
18 M	Methylene Chloride	3.671	3.333	9.2	84	0.00
19 M	trans-1,2-Dichloroethene	3.437	3.071	10.6	82	0.00
20 T	Diisopropyl ether	9.699	8.378	13.6	79	0.01
21 M	1,1-Dichloroethane	6.147	5.596	9.0	83	0.00
22 M	cis-1,2-Dichloroethene	4.190	3.959	5.5	88	0.00
23 M	tert-Butyl Alcohol	0.716	0.618	13.7	74	0.00
24 M	Methyl tert-Butyl Ether	11.381	10.396	8.7	82	0.00
25 M	Chloroform	6.662	6.182	7.2	85	0.00
26	Cyclohexane	5.342	4.635	13.2	79	0.00
27 s	1,2-Dichloroethane-d4	2.544	2.427	4.6	81	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
29	1,1-Dichloropropene	0.650	0.577	11.2	82	0.00
30 M	2-Butanone	0.307	0.236	23.1	66	0.00
31	2,2-Dichloropropane	0.798	0.696	12.8	81	0.00
32 M	1,1,1-Trichloroethane	0.800	0.729	8.9	83	0.00
33 M	Carbon Tetrachloride	0.683	0.623	8.8	82	0.00
34 M	Benzene	2.011	1.837	8.7	83	0.00
35	Methacrylonitrile	0.290	0.242	16.6	78	0.00
36 M	1,2-Dichloroethane	0.630	0.575	8.7	82	0.00
37 M	Trichloroethene	0.492	0.460	6.5	87	0.00
38	Methylcyclohexane	0.881	0.787	10.7	83	0.00
39 M	1,2-Dichloropropane	0.499	0.452	9.4	82	0.00
40	Dibromomethane	0.360	0.327	9.2	83	0.00
41 M	Bromodichloromethane	0.717	0.647	9.8	82	0.00
42 M	Vinyl Acetate	0.889	0.838	5.7	87	0.00
43	Ethyl Acetate	0.569	0.478	16.0	77	0.00
44	Isopropyl Acetate	1.018	0.862	15.3	76	0.00
45 T	1,4-Dioxane	0.011	0.010	9.1	80	0.00
46	Methyl methacrylate	0.438	0.360	17.8	76	0.00
47	n-amyl Acetate	0.890	0.764	14.2	79	0.00
48 M	t-1,3-Dichloropropene	0.803	0.681	15.2	79	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.854	0.763	10.7	82	0.00
50 M	1,1,2-Trichloroethane	0.522	0.471	9.8	84	0.00
51	Ethyl methacrylate	0.802	0.704	12.2	81	0.00
52	1,3-Dichloropropane	0.872	0.787	9.7	84	0.00
53 M	Dibromochloromethane	0.551	0.513	6.9	86	0.00
54 M	1,2-Dibromoethane	0.524	0.471	10.1	82	0.00
55 M	2-Chloroethyl vinyl ether	0.248	0.229	7.7	84	0.00
56 M	Bromoform	0.370	0.332	10.3	82	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	0.562	0.482	14.2	77	0.00
59 M	2-Hexanone	0.434	0.349	19.6	71	0.00
60 S	4-Bromofluorobenzene	0.519	0.511	1.5	86	0.00
61 M	Tetrachloroethene	0.357	0.325	9.0	86	0.00
62 M	Toluene	2.093	1.928	7.9	85	0.00
63 S	Toluene-d8	1.055	1.045	0.9	87	0.00
64 M	Chlorobenzene	1.272	1.184	6.9	86	0.00
65	1,1,1,2-Tetrachloroethane	0.468	0.448	4.3	86	0.00
66 M	Ethyl Benzene	2.319	2.125	8.4	85	0.00
67 M	m/p-Xylenes	0.909	0.841	7.5	87	0.00
68 M	o-Xylene	0.909	0.834	8.3	85	0.00
69 M	Styrene	1.457	1.322	9.3	85	0.00
70	Isopropylbenzene	2.308	2.155	6.6	86	0.00
71 M	1,1,2,2-Tetrachloroethane	0.707	0.647	8.5	84	0.00
72	1,2,3-Trichloropropane	0.480	0.473	1.5	85	0.00
73	Bromobenzene	0.469	0.446	4.9	87	0.00
74	n-propylbenzene	2.553	2.403	5.9	88	0.00
75	2-Chlorotoluene	1.530	1.457	4.8	88	0.00
76	1,3,5-Trimethylbenzene	1.878	1.753	6.7	86	0.00
77	t-1,4-Dichloro-2-butene	0.245	0.205	16.3	77	0.00
78	4-Chlorotoluene	1.445	1.323	8.4	86	0.00
79	tert-butylbenzene	1.635	1.516	7.3	84	0.00
80	1,2,4-Trimethylbenzene	1.831	1.646	10.1	81	0.00
81	sec-Butylbenzene	2.335	2.212	5.3	86	0.00
82	p-Isopropyltoluene	1.870	1.746	6.6	85	0.00
83 M	1,3-Dichlorobenzene	0.889	0.809	9.0	87	0.00
84 M	1,4-Dichlorobenzene	0.862	0.793	8.0	87	0.00
85	n-Butylbenzene	1.546	1.390	10.1	86	0.00
86 T	Hexachloroethane	0.398	0.344	13.6	80	0.00
87 M	1,2-Dichlorobenzene	0.871	0.800	8.2	84	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.113	16.3	80	0.00
89	1,2,4-Trichlorobenzene	0.343	0.231	32.7#	70	0.00
90	Hexachlorobutadiene	0.176	0.165	6.2	89	0.00
91 M	Naphthalene	1.309	0.881	32.7#	68	0.00
92	1,2,3-Trichlorobenzene	0.334	0.228	31.7#	69	0.00

(#) = Out of Range

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