

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076618.D
 Acq On : 10 Feb 2023 18:45
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 11 00:59:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:40:47 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	103	0.00
2 M	Dichlorodifluoromethane	4.152	3.802	8.4	89	0.00
3 M	Chloromethane	4.993	2.897	42.0#	66	0.00
4 M	Vinyl Chloride	4.359	2.547	41.6#	69	0.00
5 M	Bromomethane	2.189	1.155	47.2#	63	0.02
6 M	Chloroethane	2.511	1.413	43.7#	69	0.00
7 M	Trichlorofluoromethane	7.402	6.178	16.5	87	0.00
8 T	Diethyl Ether	2.348	2.120	9.7	91	0.00
9	1,1,2-Trichlorotrifluoroeth	3.563	3.272	8.2	94	0.00
10 M	1,1-Dichloroethene	3.349	3.050	8.9	90	0.00
11	Methyl Iodide	4.865	4.193	13.8	88	0.00
12	Methyl Acetate	7.027	5.897	16.1	88	0.00
13 M	Acrolein	0.900	0.700	22.2	78	-0.01
14 M	Acrylonitrile	2.059	1.816	11.8	91	0.00
15 M	Acetone	0.594	0.478	19.5	82	-0.01
16 M	Carbon Disulfide	9.203	8.564	6.9	94	0.00
17	Allyl chloride	6.455	5.665	12.2	90	0.00
18 M	Methylene Chloride	3.962	3.748	5.4	94	-0.01
19 M	trans-1,2-Dichloroethene	3.440	3.275	4.8	93	-0.01
20 T	Diisopropyl ether	14.735	11.930	19.0	86	-0.01
21 M	1,1-Dichloroethane	8.035	6.644	17.3	88	0.00
22 M	cis-1,2-Dichloroethene	4.122	3.843	6.8	93	0.00
23 M	tert-Butyl Alcohol	0.691	0.574	16.9	82	-0.03
24 M	Methyl tert-Butyl Ether	12.060	11.111	7.9	90	0.00
25 M	Chloroform	7.951	6.803	14.4	89	0.00
26	Cyclohexane	7.130	5.748	19.4	87	0.00
27 s	1,2-Dichloroethane-d4	3.536	2.916	17.5	85	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29	1,1-Dichloropropene	0.777	0.717	7.7	91	0.00
30 M	2-Butanone	0.419	0.367	12.4	84	-0.01
31	2,2-Dichloropropane	0.806	0.689	14.5	81	0.00
32 M	1,1,1-Trichloroethane	0.963	0.868	9.9	88	0.00
33 M	Carbon Tetrachloride	0.831	0.765	7.9	89	0.00
34 M	Benzene	2.386	2.190	8.2	93	0.00
35	Methacrylonitrile	0.482	0.444	7.9	93	0.00
36 M	1,2-Dichloroethane	0.915	0.811	11.4	87	0.00
37 M	Trichloroethene	0.489	0.506	-3.5	98	0.00
38	Methylcyclohexane	0.859	0.844	1.7	90	0.00
39 M	1,2-Dichloropropane	0.569	0.583	-2.5	98	0.00
40	Dibromomethane	0.375	0.374	0.3	94	0.00
41 M	Bromodichloromethane	0.788	0.763	3.2	89	0.00
42 M	Vinyl Acetate	1.363	1.159	15.0	86	0.00
43	Ethyl Acetate	0.855	0.787	8.0	87	0.00
44	Isopropyl Acetate	1.406	1.215	13.6	88	0.00
45 T	1,4-Dioxane	0.011	0.011	0.0	88	0.00
46	Methyl methacrylate	0.678	0.602	11.2	87	0.00
47	n-amyl Acetate	1.195	1.042	12.8	85	0.00
48 M	t-1,3-Dichloropropene	0.793	0.738	6.9	87	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.876	0.833	4.9	89	0.00
50 M	1,1,2-Trichloroethane	0.509	0.524	-2.9	97	0.00
51	Ethyl methacrylate	0.808	0.786	2.7	92	0.00
52	1,3-Dichloropropane	0.948	0.934	1.5	93	0.00
53 M	Dibromochloromethane	0.529	0.563	-6.4	99	0.00
54 M	1,2-Dibromoethane	0.515	0.519	-0.8	93	0.00
55 M	2-Chloroethyl vinyl ether	0.369	0.358	3.0	94	0.00
56 M	Bromoform	0.340	0.351	-3.2	99	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	0.839	0.707	15.7	87	0.00
59 M	2-Hexanone	0.610	0.520	14.8	88	0.00
60 S	4-Bromofluorobenzene	0.677	0.590	12.9	96	0.00
61 M	Tetrachloroethene	0.383	0.373	2.6	95	0.00
62 M	Toluene	2.224	2.079	6.5	96	0.00
63 S	Toluene-d8	1.102	1.057	4.1	97	0.00
64 M	Chlorobenzene	1.288	1.240	3.7	96	0.00
65	1,1,1,2-Tetrachloroethane	0.488	0.463	5.1	98	0.00
66 M	Ethyl Benzene	2.438	2.248	7.8	93	0.00
67 M	m/p-Xylenes	0.915	0.872	4.7	97	0.00
68 M	o-Xylene	0.901	0.878	2.6	97	0.00
69 M	Styrene	1.431	1.419	0.8	100	0.00
70	Isopropylbenzene	2.415	2.231	7.6	96	0.00
71 M	1,1,2,2-Tetrachloroethane	0.842	0.730	13.3	97	0.00
72	1,2,3-Trichloropropane	0.769	0.703	8.6	108	0.00
73	Bromobenzene	0.573	0.502	12.4	99	0.00
74	n-propylbenzene	3.098	2.631	15.1	95	0.00
75	2-Chlorotoluene	1.949	1.622	16.8	93	0.00
76	1,3,5-Trimethylbenzene	2.256	1.937	14.1	95	0.00
77	t-1,4-Dichloro-2-butene	0.232	0.193	16.8	94	0.01
78	4-Chlorotoluene	1.959	1.591	18.8	94	0.00
79	tert-butylbenzene	1.914	1.681	12.2	95	0.00
80	1,2,4-Trimethylbenzene	2.224	1.928	13.3	96	0.00
81	sec-Butylbenzene	2.681	2.335	12.9	97	0.00
82	p-Isopropyltoluene	2.154	1.897	11.9	96	0.00
83 M	1,3-Dichlorobenzene	1.060	0.916	13.6	97	0.00
84 M	1,4-Dichlorobenzene	1.058	0.933	11.8	104	0.00
85	n-Butylbenzene	2.000	1.519	24.1	93	0.00
86 T	Hexachloroethane	0.418	0.336	19.6	95	0.01
87 M	1,2-Dichlorobenzene	1.164	0.948	18.6	101	0.00
88	1,2-Dibromo-3-Chloropropane	0.172	0.156	9.3	93	0.00
89	1,2,4-Trichlorobenzene	0.485	0.474	2.3	102	0.00
90	Hexachlorobutadiene	0.234	0.231	1.3	100	0.00
91 M	Naphthalene	1.656	1.615	2.5	98	0.00
92	1,2,3-Trichlorobenzene	0.484	0.483	0.2	102	0.00

(#) = Out of Range

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