

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083023\
 Data File : VN079115.D
 Acq On : 30 Aug 2023 16:52
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 31 02:16:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 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	1.893	1.737	8.2	80	0.00
3 M	Chloromethane	2.269	2.062	9.1	78	0.00
4 M	Vinyl Chloride	2.245	2.186	2.6	84	0.00
5 M	Bromomethane	1.386	1.405	-1.4	90	-0.01
6 M	Chloroethane	1.459	1.477	-1.2	90	0.00
7 M	Trichlorofluoromethane	3.024	2.850	5.8	84	0.00
8 T	Diethyl Ether	1.137	0.590	48.1#	44#	0.00
9	1,1,2-Trichlorotrifluoroeth	1.579	1.628	-3.1	89	0.00
10 M	1,1-Dichloroethene	1.589	1.451	8.7	77	0.00
11	Methyl Iodide	1.918	1.815	5.4	82	0.00
12	Methyl Acetate	3.725	3.629	2.6	83	0.00
13 M	Acrolein	0.260	0.104	60.0#	36#	0.00
14 M	Acrylonitrile	0.979	0.938	4.2	81	0.00
15 M	Acetone	0.300	0.266	11.3	78	0.00
16 M	Carbon Disulfide	4.566	4.035	11.6	75	0.00
17	Allyl chloride	2.913	2.635	9.5	78	0.00
18 M	Methylene Chloride	1.900	1.867	1.7	84	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.676	6.3	83	0.00
20 T	Diisopropyl ether	6.336	6.143	3.0	82	0.00
21 M	1,1-Dichloroethane	3.516	3.475	1.2	84	0.00
22 M	cis-1,2-Dichloroethene	2.047	2.026	1.0	82	0.00
23 M	tert-Butyl Alcohol	0.365	0.349	4.4	79	0.00
24 M	Methyl tert-Butyl Ether	5.641	5.221	7.4	77	0.00
25 M	Chloroform	3.542	3.610	-1.9	89	0.00
26	Cyclohexane	2.572	2.524	1.9	84	0.00
27 s	1,2-Dichloroethane-d4	2.430	2.424	0.2	87	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
29	1,1-Dichloropropene	0.456	0.478	-4.8	81	0.00
30 M	2-Butanone	0.267	0.265	0.7	80	0.00
31	2,2-Dichloropropane	0.504	0.523	-3.8	82	0.00
32 M	1,1,1-Trichloroethane	0.545	0.569	-4.4	83	0.00
33 M	Carbon Tetrachloride	0.472	0.510	-8.1	85	0.00
34 M	Benzene	1.368	1.432	-4.7	83	0.00
35	Methacrylonitrile	0.285	0.275	3.5	75	0.00
36 M	1,2-Dichloroethane	0.512	0.547	-6.8	86	0.00
37 M	Trichloroethene	0.340	0.343	-0.9	82	0.00
38	Methylcyclohexane	0.402	0.425	-5.7	84	0.00
39 M	1,2-Dichloropropane	0.368	0.397	-7.9	87	0.00
40	Dibromomethane	0.247	0.276	-11.7	88	-0.01
41 M	Bromodichloromethane	0.497	0.547	-10.1	87	0.00
42 M	Vinyl Acetate	0.753	0.738	2.0	76	0.00
43	Ethyl Acetate	0.518	0.531	-2.5	84	0.00
44	Isopropyl Acetate	0.913	0.922	-1.0	79	0.00
45 T	1,4-Dioxane	0.007	0.007	0.0	85	0.00
46	Methyl methacrylate	0.402	0.411	-2.2	79	0.00
47	n-amyl Acetate	0.701	0.707	-0.9	77	0.00
48 M	t-1,3-Dichloropropene	0.529	0.547	-3.4	82	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.567	0.598	-5.5	83	0.00
50 M	1,1,2-Trichloroethane	0.334	0.368	-10.2	85	0.00
51	Ethyl methacrylate	0.516	0.507	1.7	76	0.00
52	1,3-Dichloropropane	0.598	0.650	-8.7	86	0.00
53 M	Dibromochloromethane	0.365	0.393	-7.7	87	0.00
54 M	1,2-Dibromoethane	0.343	0.368	-7.3	85	0.00
55 M	2-Chloroethyl vinyl ether	0.239	0.239	0.0	84	0.00
56 M	Bromoform	0.258	0.281	-8.9	87	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
58 M	4-Methyl-2-Pentanone	0.595	0.600	-0.8	84	0.00
59 M	2-Hexanone	0.436	0.428	1.8	81	0.00
60 S	4-Bromofluorobenzene	0.438	0.438	0.0	83	0.00
61 M	Tetrachloroethene	0.290	0.316	-9.0	89	0.00
62 M	Toluene	1.638	1.661	-1.4	83	0.00
63 S	Toluene-d8	1.401	1.403	-0.1	83	0.00
64 M	Chlorobenzene	0.985	0.994	-0.9	82	0.00
65	1,1,1,2-Tetrachloroethane	0.377	0.386	-2.4	83	0.00
66 M	Ethyl Benzene	1.713	1.722	-0.5	83	0.00
67 M	m/p-Xylenes	0.639	0.668	-4.5	85	0.00
68 M	o-Xylene	0.630	0.632	-0.3	83	0.00
69 M	Styrene	1.023	1.074	-5.0	84	0.00
70	Isopropylbenzene	1.526	1.604	-5.1	86	0.00
71 M	1,1,2,2-Tetrachloroethane	0.572	0.617	-7.9	89	0.00
72	1,2,3-Trichloropropane	0.469	0.473	-0.9	85	0.00
73	Bromobenzene	0.389	0.416	-6.9	88	0.00
74	n-propylbenzene	1.730	1.880	-8.7	88	0.00
75	2-Chlorotoluene	1.097	1.172	-6.8	87	0.00
76	1,3,5-Trimethylbenzene	1.210	1.386	-14.5	93	0.00
77	t-1,4-Dichloro-2-butene	0.174	0.175	-0.6	83	0.00
78	4-Chlorotoluene	1.051	1.128	-7.3	87	0.00
79	tert-butylbenzene	1.022	1.081	-5.8	88	0.00
80	1,2,4-Trimethylbenzene	1.190	1.341	-12.7	91	0.00
81	sec-Butylbenzene	1.349	1.561	-15.7	93	0.00
82	p-Isopropyltoluene	1.101	1.250	-13.5	89	0.00
83 M	1,3-Dichlorobenzene	0.627	0.701	-11.8	94	0.00
84 M	1,4-Dichlorobenzene	0.616	0.645	-4.7	83	0.00
85	n-Butylbenzene	0.866	0.938	-8.3	86	0.00
86 T	Hexachloroethane	0.225	0.257	-14.2	95	0.00
87 M	1,2-Dichlorobenzene	0.642	0.678	-5.6	85	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.094	8.7	70	0.00
89	1,2,4-Trichlorobenzene	0.254	0.232	8.7	70	0.00
90	Hexachlorobutadiene	0.132	0.148	-12.1	84	0.00
91 M	Naphthalene	0.731	0.544	25.6#	57	0.00
92	1,2,3-Trichlorobenzene	0.254	0.232	8.7	70	0.00

(#) = Out of Range

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