

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080264.D
 Acq On : 24 Nov 2023 16:17
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 27 04:08:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 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	49#	0.00
2 M	Dichlorodifluoromethane	1.956	2.424	-23.9	58	0.00
3 M	Chloromethane	2.464	1.711	30.6#	33#	0.00
4 M	Vinyl Chloride	2.059	1.969	4.4	48#	0.00
5 M	Bromomethane	1.127	1.239	-9.9	56	0.00
6 M	Chloroethane	1.196	1.243	-3.9	56	0.00
7 M	Trichlorofluoromethane	3.090	4.177	-35.2#	69	0.00
8 T	Diethyl Ether	1.109	1.152	-3.9	51	0.00
9	1,1,2-Trichlorotrifluoroeth	1.746	1.828	-4.7	53	0.00
10 M	1,1-Dichloroethene	1.545	1.768	-14.4	53	0.00
11	Methyl Iodide	2.043	2.146	-5.0	50	-0.01
12	Methyl Acetate	4.005	3.125	22.0	37#	0.00
13 M	Acrolein	0.338	0.317	6.2	51	0.00
14 M	Acrylonitrile	0.951	0.809	14.9	41#	0.00
15 M	Acetone	0.321	0.228	29.0#	34#	0.00
16 M	Carbon Disulfide	5.274	4.772	9.5	41#	0.00
17	Allyl chloride	2.699	2.079	23.0	38#	0.00
18 M	Methylene Chloride	2.071	1.975	4.6	48#	0.00
19 M	trans-1,2-Dichloroethene	1.915	1.899	0.8	48#	0.00
20 T	Diisopropyl ether	6.307	4.835	23.3	36#	0.00
21 M	1,1-Dichloroethane	3.765	3.518	6.6	45#	0.00
22 M	cis-1,2-Dichloroethene	2.222	2.158	2.9	47#	0.00
23 M	tert-Butyl Alcohol	0.257	0.293	-14.0	54	0.00
24 M	Methyl tert-Butyl Ether	5.687	6.251	-9.9	52	-0.01
25 M	Chloroform	3.886	4.069	-4.7	50	0.00
26	Cyclohexane	2.962	2.507	15.4	41#	0.00
27 s	1,2-Dichloroethane-d4	2.518	2.803	-11.3	55	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	49#	0.00
29	1,1-Dichloropropene	0.515	0.511	0.8	48#	0.00
30 M	2-Butanone	0.246	0.174	29.3#	34#	0.00
31	2,2-Dichloropropane	0.556	0.601	-8.1	52	0.00
32 M	1,1,1-Trichloroethane	0.588	0.727	-23.6	60	0.00
33 M	Carbon Tetrachloride	0.517	0.699	-35.2#	66	0.00
34 M	Benzene	1.530	1.440	5.9	46#	0.00
35	Methacrylonitrile	0.258	0.197	23.6	37#	0.00
36 M	1,2-Dichloroethane	0.554	0.588	-6.1	51	0.00
37 M	Trichloroethene	0.368	0.384	-4.3	51	0.00
38	Methylcyclohexane	0.483	0.465	3.7	47#	0.00
39 M	1,2-Dichloropropane	0.405	0.339	16.3	40#	0.00
40	Dibromomethane	0.262	0.271	-3.4	51	0.00
41 M	Bromodichloromethane	0.542	0.577	-6.5	53	0.00
42 M	Vinyl Acetate	0.611	0.559	8.5	45#	0.00
43	Ethyl Acetate	0.462	0.370	19.9	36#	0.00
44	Isopropyl Acetate	0.753	0.616	18.2	40#	0.00
45 T	1,4-Dioxane	0.006	0.006	0.0	49#	0.00
46	Methyl methacrylate	0.362	0.281	22.4	37#	0.00
47	n-amyl Acetate	0.605	0.477	21.2	38#	0.00
48 M	t-1,3-Dichloropropene	0.554	0.575	-3.8	50	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.612	0.607	0.8	48#	0.00
50 M	1,1,2-Trichloroethane	0.357	0.346	3.1	47#	0.00
51	Ethyl methacrylate	0.513	0.497	3.1	47#	0.00
52	1,3-Dichloropropane	0.638	0.623	2.4	47#	0.00
53 M	Dibromochloromethane	0.382	0.449	-17.5	57	0.00
54 M	1,2-Dibromoethane	0.358	0.368	-2.8	50	0.00
55 M	2-Chloroethyl vinyl ether	0.236	0.176	25.4#	35#	0.00
56 M	Bromoform	0.250	0.307	-22.8	60	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	49#	0.00
58 M	4-Methyl-2-Pentanone	0.501	0.399	20.4	38#	0.00
59 M	2-Hexanone	0.382	0.293	23.3	36#	0.00
60 S	4-Bromofluorobenzene	0.480	0.528	-10.0	54	0.00
61 M	Tetrachloroethene	0.352	0.425	-20.7	59	0.00
62 M	Toluene	1.735	1.773	-2.2	49#	0.00
63 S	Toluene-d8	1.421	1.441	-1.4	49#	0.00
64 M	Chlorobenzene	1.035	1.054	-1.8	49#	0.00
65	1,1,1,2-Tetrachloroethane	0.380	0.440	-15.8	55	0.00
66 M	Ethyl Benzene	1.823	1.874	-2.8	50#	0.00
67 M	m/p-Xylenes	0.679	0.714	-5.2	49#	0.00
68 M	o-Xylene	0.651	0.685	-5.2	51	0.00
69 M	Styrene	1.077	1.170	-8.6	52	0.00
70	Isopropylbenzene	1.623	1.800	-10.9	54	0.00
71 M	1,1,2,2-Tetrachloroethane	0.553	0.517	6.5	45#	0.00
72	1,2,3-Trichloropropane	0.514	0.518	-0.8	50	0.00
73	Bromobenzene	0.399	0.442	-10.8	55	0.00
74	n-propylbenzene	1.942	1.983	-2.1	49#	0.00
75	2-Chlorotoluene	1.234	1.328	-7.6	52	0.00
76	1,3,5-Trimethylbenzene	1.342	1.597	-19.0	57	0.00
77	t-1,4-Dichloro-2-butene	0.168	0.165	1.8	49#	0.00
78	4-Chlorotoluene	1.226	1.326	-8.2	53	0.00
79	tert-butylbenzene	1.051	1.240	-18.0	57	0.00
80	1,2,4-Trimethylbenzene	1.316	1.538	-16.9	56	0.00
81	sec-Butylbenzene	1.484	1.682	-13.3	55	0.00
82	p-Isopropyltoluene	1.205	1.416	-17.5	57	0.00
83 M	1,3-Dichlorobenzene	0.727	0.801	-10.2	53	0.00
84 M	1,4-Dichlorobenzene	0.714	0.761	-6.6	52	0.00
85	n-Butylbenzene	1.008	1.075	-6.6	53	0.00
86 T	Hexachloroethane	0.234	0.265	-13.2	56	0.00
87 M	1,2-Dichlorobenzene	0.695	0.800	-15.1	56	0.00
88	1,2-Dibromo-3-Chloropropane	0.101	0.121	-19.8	57	0.00
89	1,2,4-Trichlorobenzene	0.322	0.395	-22.7	59	0.00
90	Hexachlorobutadiene	0.159	0.230	-44.7#	71	0.00
91 M	Naphthalene	1.033	1.105	-7.0	51	0.00
92	1,2,3-Trichlorobenzene	0.322	0.395	-22.7	59	0.00

(#) = Out of Range

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