

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080253.D
 Acq On : 24 Nov 2023 10:43
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 27 03:55:57 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	50#	0.00
2 M	Dichlorodifluoromethane	1.956	2.373	-21.3	57	0.00
3 M	Chloromethane	2.464	1.612	34.6#	32#	0.00
4 M	Vinyl Chloride	2.059	1.873	9.0	46#	0.00
5 M	Bromomethane	1.127	1.219	-8.2	55	0.00
6 M	Chloroethane	1.196	1.196	0.0	54	0.00
7 M	Trichlorofluoromethane	3.090	4.076	-31.9#	68	0.00
8 T	Diethyl Ether	1.109	1.067	3.8	47#	0.00
9	1,1,2-Trichlorotrifluoroeth	1.746	1.818	-4.1	53	0.00
10 M	1,1-Dichloroethene	1.545	1.767	-14.4	53	0.00
11	Methyl Iodide	2.043	2.130	-4.3	50	0.00
12	Methyl Acetate	4.005	2.754	31.2#	33#	-0.01
13 M	Acrolein	0.338	0.264	21.9	43#	0.00
14 M	Acrylonitrile	0.951	0.748	21.3	38#	-0.01
15 M	Acetone	0.321	0.275	14.3	41#	0.00
16 M	Carbon Disulfide	5.274	4.756	9.8	41#	0.00
17	Allyl chloride	2.699	1.942	28.0#	36#	0.00
18 M	Methylene Chloride	2.071	1.975	4.6	48#	0.00
19 M	trans-1,2-Dichloroethene	1.915	1.861	2.8	47#	-0.01
20 T	Diisopropyl ether	6.307	4.676	25.9#	35#	0.00
21 M	1,1-Dichloroethane	3.765	3.475	7.7	44#	0.00
22 M	cis-1,2-Dichloroethene	2.222	2.145	3.5	47#	0.00
23 M	tert-Butyl Alcohol	0.257	0.242	5.8	45#	-0.01
24 M	Methyl tert-Butyl Ether	5.687	5.998	-5.5	50	0.00
25 M	Chloroform	3.886	4.143	-6.6	51	0.00
26	Cyclohexane	2.962	2.470	16.6	41#	0.00
27 s	1,2-Dichloroethane-d4	2.518	2.733	-8.5	54	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	48#	0.00
29	1,1-Dichloropropene	0.515	0.528	-2.5	48#	0.00
30 M	2-Butanone	0.246	0.180	26.8#	34#	0.00
31	2,2-Dichloropropane	0.556	0.656	-18.0	55	0.00
32 M	1,1,1-Trichloroethane	0.588	0.761	-29.4#	61	0.00
33 M	Carbon Tetrachloride	0.517	0.704	-36.2#	64	0.00
34 M	Benzene	1.530	1.495	2.3	46#	0.00
35	Methacrylonitrile	0.258	0.185	28.3#	34#	0.00
36 M	1,2-Dichloroethane	0.554	0.637	-15.0	54	0.00
37 M	Trichloroethene	0.368	0.397	-7.9	51	0.00
38	Methylcyclohexane	0.483	0.476	1.4	47#	0.00
39 M	1,2-Dichloropropane	0.405	0.348	14.1	40#	0.00
40	Dibromomethane	0.262	0.275	-5.0	50#	0.00
41 M	Bromodichloromethane	0.542	0.612	-12.9	54	0.00
42 M	Vinyl Acetate	0.611	0.552	9.7	43#	0.00
43	Ethyl Acetate	0.462	0.346	25.1#	33#	0.00
44	Isopropyl Acetate	0.753	0.577	23.4	36#	0.00
45 T	1,4-Dioxane	0.006	0.005	16.7	44#	-0.01
46	Methyl methacrylate	0.362	0.279	22.9	36#	0.00
47	n-amyl Acetate	0.605	0.449	25.8#	35#	0.00
48 M	t-1,3-Dichloropropene	0.554	0.586	-5.8	50#	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.612	0.602	1.6	46#	0.00
50 M	1,1,2-Trichloroethane	0.357	0.372	-4.2	49#	0.00
51	Ethyl methacrylate	0.513	0.481	6.2	44#	0.00
52	1,3-Dichloropropane	0.638	0.615	3.6	45#	0.00
53 M	Dibromochloromethane	0.382	0.453	-18.6	56	0.00
54 M	1,2-Dibromoethane	0.358	0.364	-1.7	48#	0.00
55 M	2-Chloroethyl vinyl ether	0.236	0.188	20.3	37#	0.00
56 M	Bromoform	0.250	0.313	-25.2#	59	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	48#	0.00
58 M	4-Methyl-2-Pentanone	0.501	0.376	25.0	35#	0.00
59 M	2-Hexanone	0.382	0.288	24.6	35#	0.00
60 S	4-Bromofluorobenzene	0.480	0.527	-9.8	53	0.00
61 M	Tetrachloroethene	0.352	0.446	-26.7#	61	0.00
62 M	Toluene	1.735	1.786	-2.9	49#	0.00
63 S	Toluene-d8	1.421	1.461	-2.8	48#	0.00
64 M	Chlorobenzene	1.035	1.066	-3.0	49#	0.00
65	1,1,1,2-Tetrachloroethane	0.380	0.459	-20.8	57	0.00
66 M	Ethyl Benzene	1.823	1.915	-5.0	50#	0.00
67 M	m/p-Xylenes	0.679	0.744	-9.6	50	0.00
68 M	o-Xylene	0.651	0.700	-7.5	51	0.00
69 M	Styrene	1.077	1.172	-8.8	51	0.00
70	Isopropylbenzene	1.623	1.827	-12.6	53	0.00
71 M	1,1,2,2-Tetrachloroethane	0.553	0.484	12.5	41#	0.00
72	1,2,3-Trichloropropane	0.514	0.503	2.1	48#	0.00
73	Bromobenzene	0.399	0.447	-12.0	54	0.00
74	n-propylbenzene	1.942	2.078	-7.0	51	0.00
75	2-Chlorotoluene	1.234	1.372	-11.2	53	0.00
76	1,3,5-Trimethylbenzene	1.342	1.627	-21.2	57	0.00
77	t-1,4-Dichloro-2-butene	0.168	0.157	6.5	46#	0.00
78	4-Chlorotoluene	1.226	1.379	-12.5	54	0.00
79	tert-butylbenzene	1.051	1.261	-20.0	57	0.00
80	1,2,4-Trimethylbenzene	1.316	1.612	-22.5	58	0.00
81	sec-Butylbenzene	1.484	1.701	-14.6	54	0.00
82	p-Isopropyltoluene	1.205	1.463	-21.4	57	0.00
83 M	1,3-Dichlorobenzene	0.727	0.817	-12.4	53	0.00
84 M	1,4-Dichlorobenzene	0.714	0.814	-14.0	55	0.00
85	n-Butylbenzene	1.008	1.126	-11.7	54	0.00
86 T	Hexachloroethane	0.234	0.269	-15.0	56	0.00
87 M	1,2-Dichlorobenzene	0.695	0.800	-15.1	54	0.00
88	1,2-Dibromo-3-Chloropropane	0.101	0.107	-5.9	50#	0.00
89	1,2,4-Trichlorobenzene	0.322	0.368	-14.3	54	0.00
90	Hexachlorobutadiene	0.159	0.234	-47.2#	71	0.00
91 M	Naphthalene	1.033	0.985	4.6	45#	0.00
92	1,2,3-Trichlorobenzene	0.322	0.368	-14.3	54	0.00

(#) = Out of Range

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