

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086528.D
 Acq On : 07 May 2025 11:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 08 03:24:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 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	129	0.00
2 M	Dichlorodifluoromethane	2.071	2.167	-4.6	132	0.00
3 M	Chloromethane	2.942	2.612	11.2	116	0.00
4 M	Vinyl Chloride	2.818	2.577	8.6	118	0.00
5 M	Bromomethane	1.471	1.533	-4.2	132	0.00
6 M	Chloroethane	1.879	1.671	11.1	115	0.00
7 M	Trichlorofluoromethane	3.326	3.563	-7.1	135	0.00
8 T	Diethyl Ether	1.404	1.372	2.3	128	0.00
9	1,1,2-Trichlorotrifluoroeth	2.045	2.159	-5.6	136	0.00
10 M	1,1-Dichloroethene	2.093	2.084	0.4	129	0.00
11	Methyl Iodide	2.449	2.595	-6.0	138	0.00
12	Methyl Acetate	2.966	2.493	15.9	107	0.00
13 M	Acrolein	0.150	0.263	-75.3#	266#	0.00
14 M	Acrylonitrile	1.104	1.042	5.6	122	0.00
15 M	Acetone	0.304	0.264	13.2	123	0.00
16 M	Carbon Disulfide	5.515	5.381	2.4	124	0.00
17	Allyl chloride	3.346	3.006	10.2	119	0.00
18 M	Methylene Chloride	2.383	2.404	-0.9	131	0.00
19 M	trans-1,2-Dichloroethene	2.231	2.229	0.1	131	0.00
20 T	Diisopropyl ether	7.957	7.136	10.3	118	0.00
21 M	1,1-Dichloroethane	4.355	4.134	5.1	124	0.00
22 M	cis-1,2-Dichloroethene	2.789	2.793	-0.1	132	0.00
23 M	tert-Butyl Alcohol	0.428	0.432	-0.9	123	0.00
24 M	Methyl tert-Butyl Ether	7.733	7.561	2.2	127	0.00
25 M	Chloroform	4.408	4.335	1.7	126	0.00
26	Cyclohexane	3.846	3.489	9.3	119	0.00
27 s	1,2-Dichloroethane-d4	2.892	2.674	7.5	116	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	123	0.00
29	1,1-Dichloropropene	0.529	0.532	-0.6	129	0.00
30 M	2-Butanone	0.257	0.239	7.0	118	0.00
31	2,2-Dichloropropane	0.680	0.676	0.6	126	0.00
32 M	1,1,1-Trichloroethane	0.632	0.651	-3.0	130	0.00
33 M	Carbon Tetrachloride	0.520	0.566	-8.8	137	0.00
34 M	Benzene	1.682	1.671	0.7	125	0.00
35	Methacrylonitrile	0.293	0.268	8.5	110	0.00
36 M	1,2-Dichloroethane	0.546	0.549	-0.5	126	0.00
37 M	Trichloroethene	0.421	0.444	-5.5	137	0.00
38	Methylcyclohexane	0.611	0.616	-0.8	128	0.00
39 M	1,2-Dichloropropane	0.416	0.395	5.0	121	0.00
40	Dibromomethane	0.278	0.286	-2.9	129	0.00
41 M	Bromodichloromethane	0.588	0.591	-0.5	127	0.00
42 M	Vinyl Acetate	0.889	0.876	1.5	122	0.00
43	Ethyl Acetate	0.508	0.484	4.7	125	0.00
44	Isopropyl Acetate	0.964	0.899	6.7	118	0.00
45 T	1,4-Dioxane	0.008	0.008	0.0	132	0.00
46	Methyl methacrylate	0.445	0.409	8.1	117	0.00
47	n-amyl Acetate	0.822	0.754	8.3	118	0.00
48 M	t-1,3-Dichloropropene	0.657	0.630	4.1	123	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.693	0.675	2.6	125	0.00
50 M	1,1,2-Trichloroethane	0.388	0.403	-3.9	129	0.00
51	Ethyl methacrylate	0.676	0.645	4.6	122	0.00
52	1,3-Dichloropropane	0.686	0.687	-0.1	126	0.00
53 M	Dibromochloromethane	0.436	0.452	-3.7	132	0.00
54 M	1,2-Dibromoethane	0.395	0.407	-3.0	130	0.00
55 M	2-Chloroethyl vinyl ether	0.318	0.221	30.5#	88	0.00
56 M	Bromoform	0.283	0.291	-2.8	130	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	122	0.00
58 M	4-Methyl-2-Pentanone	0.581	0.545	6.2	117	0.00
59 M	2-Hexanone	0.428	0.396	7.5	115	0.00
60 S	4-Bromofluorobenzene	0.590	0.568	3.7	120	0.00
61 M	Tetrachloroethene	0.458	0.507	-10.7	143	0.00
62 M	Toluene	2.008	2.038	-1.5	127	0.00
63 S	Toluene-d8	1.650	1.615	2.1	119	0.00
64 M	Chlorobenzene	1.251	1.306	-4.4	131	0.00
65	1,1,1,2-Tetrachloroethane	0.418	0.446	-6.7	135	0.00
66 M	Ethyl Benzene	2.260	2.276	-0.7	127	0.00
67 M	m/p-Xylenes	0.858	0.880	-2.6	130	0.00
68 M	o-Xylene	0.840	0.865	-3.0	131	0.00
69 M	Styrene	1.423	1.408	1.1	127	0.00
70	Isopropylbenzene	2.096	2.140	-2.1	129	0.00
71 M	1,1,2,2-Tetrachloroethane	0.552	0.570	-3.3	123	0.00
72	1,2,3-Trichloropropane	0.481	0.474	1.5	124	0.00
73	Bromobenzene	0.482	0.521	-8.1	137	0.00
74	n-propylbenzene	2.491	2.464	1.1	127	0.00
75	2-Chlorotoluene	1.555	1.547	0.5	126	0.00
76	1,3,5-Trimethylbenzene	1.720	1.744	-1.4	130	0.00
77	t-1,4-Dichloro-2-butene	0.244	0.214	12.3	115	0.00
78	4-Chlorotoluene	1.555	1.523	2.1	129	0.00
79	tert-butylbenzene	1.473	1.510	-2.5	131	0.00
80	1,2,4-Trimethylbenzene	1.757	1.737	1.1	127	0.00
81	sec-Butylbenzene	2.103	2.071	1.5	129	0.00
82	p-Isopropyltoluene	1.759	1.738	1.2	132	0.00
83 M	1,3-Dichlorobenzene	0.911	0.914	-0.3	134	0.00
84 M	1,4-Dichlorobenzene	0.900	0.919	-2.1	136	0.00
85	n-Butylbenzene	1.570	1.461	6.9	126	0.00
86 T	Hexachloroethane	0.288	0.270	6.2	125	0.00
87 M	1,2-Dichlorobenzene	0.867	0.886	-2.2	135	0.00
88	1,2-Dibromo-3-Chloropropane	0.112	0.109	2.7	130	0.00
89	1,2,4-Trichlorobenzene	0.395	0.407	-3.0	143	0.00
90	Hexachlorobutadiene	0.159	0.170	-6.9	146	0.00
91 M	Naphthalene	1.414	1.370	3.1	134	0.00
92	1,2,3-Trichlorobenzene	0.395	0.407	-3.0	143	0.00

(#) = Out of Range

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