

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121924\
 Data File : VN085270.D
 Acq On : 19 Dec 2024 17:11
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 20 00:51:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 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	98	0.00
2 M	Dichlorodifluoromethane	2.400	2.269	5.5	90	0.00
3 M	Chloromethane	2.124	2.218	-4.4	103	0.00
4 M	Vinyl Chloride	2.173	2.164	0.4	98	0.00
5 M	Bromomethane	1.380	1.260	8.7	92	0.00
6 M	Chloroethane	1.335	1.384	-3.7	104	0.00
7 M	Trichlorofluoromethane	3.557	3.516	1.2	99	0.00
8 T	Diethyl Ether	1.127	1.110	1.5	103	0.00
9	1,1,2-Trichlorotrifluoroeth	1.989	1.874	5.8	95	0.00
10 M	1,1-Dichloroethene	1.827	1.653	9.5	92	0.00
11	Methyl Iodide	2.534	2.051	19.1	85	0.00
12	Methyl Acetate	2.155	2.706	-25.6#	128	0.00
13 M	Acrolein	0.313	0.278	11.2	106	-0.01
14 M	Acrylonitrile	0.895	0.983	-9.8	115	0.00
15 M	Acetone	0.243	0.262	-7.8	112	0.00
16 M	Carbon Disulfide	5.461	5.276	3.4	96	0.00
17	Allyl chloride	2.614	2.783	-6.5	113	0.00
18 M	Methylene Chloride	2.073	2.008	3.1	97	0.00
19 M	trans-1,2-Dichloroethene	1.899	1.799	5.3	98	0.00
20 T	Diisopropyl ether	5.737	6.457	-12.6	111	0.00
21 M	1,1-Dichloroethane	3.541	3.788	-7.0	108	0.00
22 M	cis-1,2-Dichloroethene	2.183	2.105	3.6	97	0.00
23 M	tert-Butyl Alcohol	0.321	0.336	-4.7	112	0.02
24 M	Methyl tert-Butyl Ether	5.708	5.773	-1.1	103	0.00
25 M	Chloroform	3.710	3.795	-2.3	102	0.00
26	Cyclohexane	2.916	2.716	6.9	91	0.00
27 s	1,2-Dichloroethane-d4	2.380	2.607	-9.5	106	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
29	1,1-Dichloropropene	0.484	0.542	-12.0	100	0.00
30 M	2-Butanone	0.222	0.300	-35.1#	123	0.00
31	2,2-Dichloropropane	0.621	0.671	-8.1	98	0.00
32 M	1,1,1-Trichloroethane	0.655	0.731	-11.6	97	0.00
33 M	Carbon Tetrachloride	0.591	0.632	-6.9	95	0.00
34 M	Benzene	1.521	1.702	-11.9	101	0.00
35	Methacrylonitrile	0.250	0.327	-30.8#	116	0.00
36 M	1,2-Dichloroethane	0.518	0.649	-25.3#	114	0.00
37 M	Trichloroethene	0.362	0.357	1.4	89	0.00
38	Methylcyclohexane	0.526	0.497	5.5	92	0.00
39 M	1,2-Dichloropropane	0.368	0.430	-16.8	103	0.00
40	Dibromomethane	0.264	0.303	-14.8	101	0.00
41 M	Bromodichloromethane	0.565	0.633	-12.0	101	0.00
42 M	Vinyl Acetate	0.777	1.049	-35.0#	124	0.00
43	Ethyl Acetate	0.442	0.608	-37.6#	134	0.00
44	Isopropyl Acetate	0.768	1.002	-30.5#	119	0.00
45 T	1,4-Dioxane	0.006	0.007	-16.7	102	0.00
46	Methyl methacrylate	0.352	0.460	-30.7#	119	0.00
47	n-amyl Acetate	0.646	0.837	-29.6#	120	0.00
48 M	t-1,3-Dichloropropene	0.554	0.580	-4.7	99	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.604	0.646	-7.0	97	0.00
50 M	1,1,2-Trichloroethane	0.356	0.395	-11.0	99	0.00
51	Ethyl methacrylate	0.542	0.572	-5.5	100	0.00
52	1,3-Dichloropropane	0.596	0.674	-13.1	102	0.00
53 M	Dibromochloromethane	0.434	0.463	-6.7	96	0.00
54 M	1,2-Dibromoethane	0.359	0.377	-5.0	96	0.00
55 M	2-Chloroethyl vinyl ether	0.252	0.274	-8.7	98	0.00
56 M	Bromoform	0.291	0.306	-5.2	99	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
58 M	4-Methyl-2-Pentanone	0.490	0.645	-31.6#	119	0.00
59 M	2-Hexanone	0.371	0.471	-27.0#	114	0.00
60 S	4-Bromofluorobenzene	0.496	0.501	-1.0	92	0.00
61 M	Tetrachloroethene	0.363	0.334	8.0	85	0.00
62 M	Toluene	1.750	1.858	-6.2	99	0.00
63 S	Toluene-d8	1.407	1.459	-3.7	92	0.00
64 M	Chlorobenzene	1.080	1.080	0.0	93	0.00
65	1,1,1,2-Tetrachloroethane	0.403	0.408	-1.2	97	0.00
66 M	Ethyl Benzene	1.857	1.859	-0.1	97	0.00
67 M	m/p-Xylenes	0.714	0.713	0.1	91	0.00
68 M	o-Xylene	0.671	0.663	1.2	93	0.00
69 M	Styrene	1.138	1.160	-1.9	96	0.00
70	Isopropylbenzene	1.730	1.733	-0.2	95	0.00
71 M	1,1,2,2-Tetrachloroethane	0.526	0.631	-20.0	108	0.00
72	1,2,3-Trichloropropane	0.520	0.516	0.8	88	0.00
73	Bromobenzene	0.433	0.407	6.0	88	0.00
74	n-propylbenzene	2.079	2.111	-1.5	95	0.00
75	2-Chlorotoluene	1.286	1.302	-1.2	93	0.00
76	1,3,5-Trimethylbenzene	1.482	1.481	0.1	94	0.00
77	t-1,4-Dichloro-2-butene	0.189	0.197	-4.2	100	0.00
78	4-Chlorotoluene	1.305	1.366	-4.7	99	0.00
79	tert-butylbenzene	1.217	1.173	3.6	91	0.00
80	1,2,4-Trimethylbenzene	1.464	1.504	-2.7	96	0.00
81	sec-Butylbenzene	1.729	1.693	2.1	92	0.00
82	p-Isopropyltoluene	1.434	1.369	4.5	91	0.00
83 M	1,3-Dichlorobenzene	0.795	0.794	0.1	95	0.00
84 M	1,4-Dichlorobenzene	0.775	0.788	-1.7	97	0.00
85	n-Butylbenzene	1.203	1.167	3.0	98	0.00
86 T	Hexachloroethane	0.285	0.302	-6.0	100	0.00
87 M	1,2-Dichlorobenzene	0.750	0.772	-2.9	97	0.00
88	1,2-Dibromo-3-Chloropropane	0.105	0.127	-21.0	113	0.00
89	1,2,4-Trichlorobenzene	0.367	0.355	3.3	95	0.00
90	Hexachlorobutadiene	0.191	0.178	6.8	88	0.00
91 M	Naphthalene	1.142	1.090	4.6	102	0.00
92	1,2,3-Trichlorobenzene	0.367	0.355	3.3	95	0.00

(#) = Out of Range

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