

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073628.D
 Acq On : 29 Jul 2022 11:29
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 01 02:20:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 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	128	0.00
2 M	Dichlorodifluoromethane	2.039	1.995	2.2	125	0.00
3 M	Chloromethane	2.696	2.371	12.1	107	0.00
4 M	Vinyl Chloride	3.309	2.984	9.8	114	0.00
5 M	Bromomethane	1.681	1.981	-17.8	130	-0.01
6 M	Chloroethane	2.242	2.014	10.2	113	-0.01
7 M	Trichlorofluoromethane	3.255	3.232	0.7	128	0.00
8 T	Diethyl Ether	1.310	1.237	5.6	127	0.00
9	1,1,2-Trichlorotrifluoroeth	1.962	1.889	3.7	125	0.00
10 M	1,1-Dichloroethene	1.878	1.818	3.2	128	0.00
11	Methyl Iodide	2.166	1.907	12.0	124	0.00
12	Methyl Acetate	3.192	2.838	11.1	115	0.00
13 M	Acrolein	0.561	0.554	1.2	126	0.00
14 M	Acrylonitrile	1.473	1.294	12.2	111	0.00
15 M	Acetone	0.410	0.484	-18.0	152#	-0.01
16 M	Carbon Disulfide	5.133	4.616	10.1	119	0.00
17	Allyl chloride	3.133	2.714	13.4	116	0.00
18 M	Methylene Chloride	2.380	2.254	5.3	125	0.00
19 M	trans-1,2-Dichloroethene	2.082	2.003	3.8	126	-0.01
20 T	Diisopropyl ether	6.815	6.204	9.0	118	0.00
21 M	1,1-Dichloroethane	4.022	3.676	8.6	119	0.00
22 M	cis-1,2-Dichloroethene	2.505	2.424	3.2	130	0.00
23 M	tert-Butyl Alcohol	0.521	0.481	7.7	123	0.00
24 M	Methyl tert-Butyl Ether	6.619	6.486	2.0	131	0.00
25 M	Chloroform	4.151	3.900	6.0	120	0.00
26	Cyclohexane	3.469	3.116	10.2	119	0.00
27 s	1,2-Dichloroethane-d4	2.594	2.464	5.0	117	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	135	0.00
29	1,1-Dichloropropene	0.561	0.507	9.6	124	0.00
30 M	2-Butanone	0.387	0.361	6.7	125	0.00
31	2,2-Dichloropropane	0.585	0.562	3.9	132	-0.01
32 M	1,1,1-Trichloroethane	0.649	0.605	6.8	126	0.00
33 M	Carbon Tetrachloride	0.556	0.523	5.9	130	0.00
34 M	Benzene	1.814	1.633	10.0	120	0.00
35	Methacrylonitrile	0.315	0.316	-0.3	120	0.00
36 M	1,2-Dichloroethane	0.598	0.547	8.5	121	0.00
37 M	Trichloroethene	0.446	0.423	5.2	132	0.00
38	Methylcyclohexane	0.696	0.641	7.9	130	0.00
39 M	1,2-Dichloropropane	0.458	0.399	12.9	116	0.00
40	Dibromomethane	0.311	0.288	7.4	124	0.00
41 M	Bromodichloromethane	0.608	0.546	10.2	121	0.00
42 M	Vinyl Acetate	1.117	0.973	12.9	119	0.00
43	Ethyl Acetate	0.736	0.635	13.7	124	0.00
44	Isopropyl Acetate	1.023	0.884	13.6	118	0.00
45 T	1,4-Dioxane	0.012	0.011	8.3	127	0.00
46	Methyl methacrylate	0.457	0.385	15.8	116	0.00
47	n-amyl Acetate	0.816	0.697	14.6	123	0.00
48 M	t-1,3-Dichloropropene	0.626	0.555	11.3	130	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.695	0.632	9.1	128	0.00
50 M	1,1,2-Trichloroethane	0.466	0.432	7.3	128	0.00
51	Ethyl methacrylate	0.700	0.616	12.0	126	0.00
52	1,3-Dichloropropane	0.785	0.711	9.4	125	0.00
53 M	Dibromochloromethane	0.472	0.438	7.2	131	0.00
54 M	1,2-Dibromoethane	0.475	0.438	7.8	129	0.00
55 M	2-Chloroethyl vinyl ether	0.314	0.227	27.7#	102	0.00
56 M	Bromoform	0.371	0.329	11.3	135	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	133	0.00
58 M	4-Methyl-2-Pentanone	0.776	0.676	12.9	112	0.00
59 M	2-Hexanone	0.597	0.542	9.2	118	0.00
60 S	4-Bromofluorobenzene	0.531	0.518	2.4	132	0.00
61 M	Tetrachloroethene	0.460	0.450	2.2	130	0.00
62 M	Toluene	2.086	1.958	6.1	124	0.00
63 S	Toluene-d8	1.689	1.659	1.8	126	0.00
64 M	Chlorobenzene	1.246	1.178	5.5	130	0.00
65	1,1,1,2-Tetrachloroethane	0.463	0.446	3.7	132	0.00
66 M	Ethyl Benzene	2.230	2.061	7.6	126	0.00
67 M	m/p-Xylenes	0.852	0.832	2.3	131	0.00
68 M	o-Xylene	0.847	0.817	3.5	132	0.00
69 M	Styrene	1.396	1.285	8.0	125	0.00
70	Isopropylbenzene	2.165	2.071	4.3	130	0.00
71 M	1,1,2,2-Tetrachloroethane	0.761	0.690	9.3	120	0.00
72	1,2,3-Trichloropropane	0.636	0.595	6.4	137	0.00
73	Bromobenzene	0.538	0.522	3.0	136	0.00
74	n-propylbenzene	2.519	2.356	6.5	129	0.00
75	2-Chlorotoluene	1.510	1.412	6.5	126	0.00
76	1,3,5-Trimethylbenzene	1.813	1.728	4.7	128	0.00
77	t-1,4-Dichloro-2-butene	0.232	0.204	12.1	129	0.00
78	4-Chlorotoluene	1.451	1.344	7.4	127	0.00
79	tert-butylbenzene	1.568	1.527	2.6	135	0.00
80	1,2,4-Trimethylbenzene	1.796	1.708	4.9	128	0.00
81	sec-Butylbenzene	2.251	2.139	5.0	132	0.00
82	p-Isopropyltoluene	1.848	1.757	4.9	135	0.00
83 M	1,3-Dichlorobenzene	0.984	0.922	6.3	132	0.00
84 M	1,4-Dichlorobenzene	0.949	0.915	3.6	135	0.00
85	n-Butylbenzene	1.498	1.343	10.3	134	0.00
86 T	Hexachloroethane	0.339	0.312	8.0	131	0.00
87 M	1,2-Dichlorobenzene	0.995	0.947	4.8	129	0.00
88	1,2-Dibromo-3-Chloropropane	0.166	0.149	10.2	123	0.00
89	1,2,4-Trichlorobenzene	0.548	0.528	3.6	151#	0.00
90	Hexachlorobutadiene	0.277	0.276	0.4	145	0.00
91 M	Naphthalene	1.798	1.746	2.9	146	0.00
92	1,2,3-Trichlorobenzene	0.563	0.541	3.9	144	0.00

(#) = Out of Range

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