

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061621\
 Data File : VN067369.D
 Acq On : 16 Jun 2021 18:02
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 04:22:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	95	0.00
2 M	Dichlorodifluoromethane	2.238	2.119	5.3	97	0.00
3 M	Chloromethane	2.399	2.257	5.9	97	0.00
4 M	Vinyl Chloride	2.369	2.156	9.0	94	0.00
5 M	Bromomethane	1.189	1.148	3.4	97	0.00
6 M	Chloroethane	1.383	1.310	5.3	98	0.00
7 M	Trichlorofluoromethane	3.164	2.962	6.4	97	0.00
8 T	Diethyl Ether	1.289	1.214	5.8	96	0.00
9	1,1,2-Trichlorotrifluoroeth	1.871	1.778	5.0	98	0.00
10 M	1,1-Dichloroethene	1.817	1.705	6.2	95	0.00
11	Methyl Iodide	2.185	1.746	20.1	88	0.00
12	Methyl Acetate	2.696	2.600	3.6	100	0.00
13 M	Acrolein	0.322	0.327	-1.6	104	0.00
14 M	Acrylonitrile	1.132	1.085	4.2	100	0.00
15 M	Acetone	0.283	0.288	-1.8	106	0.00
16 M	Carbon Disulfide	5.761	5.450	5.4	98	0.00
17	Allyl chloride	3.954	3.668	7.2	97	0.00
18 M	Methylene Chloride	2.229	2.162	3.0	101	0.00
19 M	trans-1,2-Dichloroethene	1.981	1.873	5.5	97	0.00
20 T	Diisopropyl ether	7.673	7.346	4.3	99	0.00
21 M	1,1-Dichloroethane	4.249	4.074	4.1	98	0.00
22 M	cis-1,2-Dichloroethene	2.354	2.246	4.6	97	0.00
23 M	tert-Butyl Alcohol	0.502	0.442	12.0	96	0.00
24 M	Methyl tert-Butyl Ether	7.721	7.208	6.6	96	0.00
25 M	Chloroform	4.351	4.121	5.3	98	0.00
26	Cyclohexane	3.683	3.608	2.0	102	0.00
27 s	1,2-Dichloroethane-d4	3.153	3.212	-1.9	94	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
29	1,1-Dichloropropene	0.537	0.507	5.6	100	0.00
30 M	2-Butanone	0.276	0.254	8.0	99	0.00
31	2,2-Dichloropropane	0.575	0.634	-10.3	114	0.00
32 M	1,1,1-Trichloroethane	0.682	0.595	12.8	89	0.00
33 M	Carbon Tetrachloride	0.574	0.483	15.9	88	0.00
34 M	Benzene	1.510	1.432	5.2	98	0.00
35	Methacrylonitrile	0.297	0.277	6.7	98	0.00
36 M	1,2-Dichloroethane	0.643	0.602	6.4	101	0.00
37 M	Trichloroethene	0.358	0.318	11.2	92	0.00
38	Methylcyclohexane	0.553	0.576	-4.2	111	0.00
39 M	1,2-Dichloropropane	0.408	0.388	4.9	100	0.00
40	Dibromomethane	0.280	0.253	9.6	95	0.00
41 M	Bromodichloromethane	0.604	0.538	10.9	93	0.00
42 M	Vinyl Acetate	1.160	1.060	8.6	96	0.00
43	Ethyl Acetate	0.561	0.524	6.6	97	0.00
44	Isopropyl Acetate	1.037	0.938	9.5	96	0.00
45 T	1,4-Dioxane	0.007	0.006#	14.3	92	0.00
46	Methyl methacrylate	0.460	0.397	13.7	94	0.00
47	n-amyl Acetate	0.879	0.723	17.7	92	0.00
48 M	t-1,3-Dichloropropene	0.667	0.601	9.9	96	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.670	0.635	5.2	102	0.00
50 M	1,1,2-Trichloroethane	0.364	0.338	7.1	98	0.00
51	Ethyl methacrylate	0.665	0.589	11.4	95	0.00
52	1,3-Dichloropropane	0.663	0.627	5.4	100	0.00
53 M	Dibromochloromethane	0.405	0.341	15.8	91	0.00
54 M	1,2-Dibromoethane	0.379	0.336	11.3	95	0.00
55 M	2-Chloroethyl vinyl ether	0.168	0.151	10.1	104	0.00
56 M	Bromoform	0.275	0.213	22.5	86	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
58 M	4-Methyl-2-Pentanone	0.659	0.609	7.6	97	0.00
59 M	2-Hexanone	0.477	0.430	9.9	96	0.00
60 S	4-Bromofluorobenzene	0.579	0.536	7.4	88	0.00
61 M	Tetrachloroethene	0.348	0.313	10.1	88	0.00
62 M	Toluene	1.795	1.708	4.8	99	0.00
63 S	Toluene-d8	1.431	1.489	-4.1	97	0.00
64 M	Chlorobenzene	1.055	0.953	9.7	96	0.00
65	1,1,1,2-Tetrachloroethane	0.399	0.353	11.5	92	0.00
66 M	Ethyl Benzene	2.085	1.935	7.2	97	0.00
67 M	m/p-Xylenes	0.735	0.677	7.9	97	0.00
68 M	o-Xylene	0.734	0.656	10.6	95	0.00
69 M	Styrene	1.234	1.076	12.8	93	0.00
70	Isopropylbenzene	1.891	1.767	6.6	99	0.00
71 M	1,1,2,2-Tetrachloroethane	0.575	0.533	7.3	99	0.00
72	1,2,3-Trichloropropane	0.573	0.549	4.2	102	0.00
73	Bromobenzene	0.394	0.329	16.5	89	0.00
74	n-propylbenzene	2.273	2.115	7.0	100	0.00
75	2-Chlorotoluene	1.439	1.283	10.8	95	0.00
76	1,3,5-Trimethylbenzene	1.603	1.443	10.0	96	0.00
77	t-1,4-Dichloro-2-butene	0.200	0.178	11.0	99	0.00
78	4-Chlorotoluene	1.431	1.276	10.8	96	0.00
79	tert-butylbenzene	1.287	1.164	9.6	96	0.00
80	1,2,4-Trimethylbenzene	1.582	1.426	9.9	96	0.00
81	sec-Butylbenzene	1.787	1.704	4.6	102	0.00
82	p-Isopropyltoluene	1.441	1.337	7.2	100	0.00
83 M	1,3-Dichlorobenzene	0.710	0.610	14.1	94	0.00
84 M	1,4-Dichlorobenzene	0.712	0.610	14.3	93	0.00
85	n-Butylbenzene	1.341	1.302	2.9	107	0.00
86 T	Hexachloroethane	0.295	0.256	13.2	97	0.00
87 M	1,2-Dichlorobenzene	0.692	0.598	13.6	93	0.00
88	1,2-Dibromo-3-Chloropropane	0.146	0.116	20.5	84	0.00
89	1,2,4-Trichlorobenzene	0.352	0.292	17.0	91	0.00
90	Hexachlorobutadiene	0.187	0.157	16.0	91	0.00
91 M	Naphthalene	1.182	0.925	21.7	88	0.00
92	1,2,3-Trichlorobenzene	0.343	0.289	15.7	93	0.00

(#) = Out of Range

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