

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067593.D
 Acq On : 1 Jul 2021 13:11
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070121

Quant Time: Jul 02 06:44:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 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	104	0.00
2 M	Dichlorodifluoromethane	1.858	1.737	6.5	104	0.00
3 M	Chloromethane	2.236	2.182	2.4	97	0.00
4 M	Vinyl Chloride	3.520	3.307	6.1	95	0.00
5 M	Bromomethane	2.839	2.865	-0.9	106	0.00
6 M	Chloroethane	2.596	2.433	6.3	93	0.00
7 M	Trichlorofluoromethane	6.711	6.120	8.8	88	0.00
8 T	Diethyl Ether	1.746	1.780	-1.9	117	0.00
9	1,1,2-Trichlorotrifluoroeth	1.477	1.377	6.8	101	0.00
10 M	1,1-Dichloroethene	1.458	1.344	7.8	100	0.00
11	Methyl Iodide	1.941	1.537	20.8	88	0.00
12	Methyl Acetate	1.870	1.923	-2.8	110	0.00
13 M	Acrolein	0.264	0.277	-4.9	116	0.00
14 M	Acrylonitrile	0.869	0.837	3.7	107	0.00
15 M	Acetone	0.204	0.209	-2.5	112	0.00
16 M	Carbon Disulfide	4.187	3.706	11.5	97	0.00
17	Allyl chloride	2.570	2.330	9.3	99	0.00
18 M	Methylene Chloride	1.891	1.816	4.0	105	0.00
19 M	trans-1,2-Dichloroethene	1.753	1.547	11.8	98	0.00
20 T	Diisopropyl ether	6.216	5.673	8.7	105	0.00
21 M	1,1-Dichloroethane	3.320	3.042	8.4	98	0.00
22 M	cis-1,2-Dichloroethene	2.143	1.898	11.4	98	0.00
23 M	tert-Butyl Alcohol	0.331	0.331	0.0	118	0.00
24 M	Methyl tert-Butyl Ether	6.125	5.660	7.6	103	0.00
25 M	Chloroform	3.742	3.319	11.3	96	0.00
26	Cyclohexane	2.999	2.572	14.2	93	0.00
27 s	1,2-Dichloroethane-d4	2.424	2.600	-7.3	105	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29	1,1-Dichloropropene	0.470	0.422	10.2	98	0.00
30 M	2-Butanone	0.215	0.208	3.3	107	0.00
31	2,2-Dichloropropane	0.500	0.416	16.8	92	0.00
32 M	1,1,1-Trichloroethane	0.589	0.494	16.1	93	0.00
33 M	Carbon Tetrachloride	0.499	0.413	17.2	93	0.00
34 M	Benzene	1.449	1.249	13.8	96	0.00
35	Methacrylonitrile	0.233	0.230	1.3	113	0.00
36 M	1,2-Dichloroethane	0.533	0.475	10.9	98	0.00
37 M	Trichloroethene	0.363	0.318	12.4	96	0.00
38	Methylcyclohexane	0.523	0.442	15.5	94	0.00
39 M	1,2-Dichloropropane	0.362	0.323	10.8	95	0.00
40	Dibromomethane	0.268	0.241	10.1	101	0.00
41 M	Bromodichloromethane	0.520	0.448	13.8	97	0.00
42 M	Vinyl Acetate	0.940	0.848	9.8	103	0.00
43	Ethyl Acetate	0.466	0.405	13.1	96	0.00
44	Isopropyl Acetate	0.825	0.767	7.0	103	0.00
45 T	1,4-Dioxane	0.006	0.006#	0.0	111	0.00
46	Methyl methacrylate	0.353	0.321	9.1	100	0.00
47	n-amyl Acetate	0.694	0.599	13.7	102	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48 M	t-1,3-Dichloropropene	0.559	0.466	16.6	99	0.00
49 T	cis-1,3-Dichloropropene	0.590	0.494	16.3	96	0.00
50 M	1,1,2-Trichloroethane	0.379	0.329	13.2	99	0.00
51	Ethyl methacrylate	0.596	0.512	14.1	103	0.00
52	1,3-Dichloropropane	0.625	0.551	11.8	99	0.00
53 M	Dibromochloromethane	0.408	0.326	20.1	96	0.00
54 M	1,2-Dibromoethane	0.395	0.337	14.7	100	0.00
55 M	2-Chloroethyl vinyl ether	0.127	0.103	18.9	111	0.00
56 M	Bromoform	0.284	0.203	28.5	94	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	0.522	0.491	5.9	103	0.00
59 M	2-Hexanone	0.364	0.347	4.7	104	0.00
60 S	4-Bromofluorobenzene	0.488	0.468	4.1	97	0.00
61 M	Tetrachloroethene	0.370	0.323	12.7	92	0.00
62 M	Toluene	1.765	1.522	13.8	94	0.00
63 S	Toluene-d8	1.373	1.365	0.6	98	0.00
64 M	Chlorobenzene	1.046	0.891	14.8	95	0.00
65	1,1,1,2-Tetrachloroethane	0.390	0.325	16.7	94	0.00
66 M	Ethyl Benzene	1.945	1.661	14.6	94	0.00
67 M	m/p-Xylenes	0.755	0.636	15.8	93	0.00
68 M	o-Xylene	0.752	0.633	15.8	93	0.00
69 M	Styrene	1.235	1.018	17.6	95	0.00
70	Isopropylbenzene	1.924	1.596	17.0	94	0.00
71 M	1,1,2,2-Tetrachloroethane	0.553	0.493	10.8	98	0.00
72	1,2,3-Trichloropropane	0.482	0.456	5.4	98	0.00
73	Bromobenzene	0.436	0.357	18.1	93	0.00
74	n-propylbenzene	2.175	1.822	16.2	94	0.00
75	2-Chlorotoluene	1.308	1.119	14.4	94	0.00
76	1,3,5-Trimethylbenzene	1.589	1.308	17.7	91	0.00
77	t-1,4-Dichloro-2-butene	0.158	0.119	24.7	99	0.00
78	4-Chlorotoluene	1.301	1.081	16.9	93	0.00
79	tert-butylbenzene	1.337	1.089	18.5	91	0.00
80	1,2,4-Trimethylbenzene	1.565	1.293	17.4	92	0.00
81	sec-Butylbenzene	1.838	1.506	18.1	91	0.00
82	p-Isopropyltoluene	1.507	1.213	19.5	92	0.00
83 M	1,3-Dichlorobenzene	0.810	0.653	19.4	94	0.00
84 M	1,4-Dichlorobenzene	0.784	0.636	18.9	94	0.00
85	n-Butylbenzene	1.245	1.009	19.0	93	0.00
86 T	Hexachloroethane	0.257	0.199	22.6	93	0.00
87 M	1,2-Dichlorobenzene	0.780	0.643	17.6	97	0.00
88	1,2-Dibromo-3-Chloropropane	0.099	0.086	13.1	97	0.00
89	1,2,4-Trichlorobenzene	0.336	0.285	15.2	102	0.00
90	Hexachlorobutadiene	0.156	0.133	14.7	97	0.00
91 M	Naphthalene	1.035	0.941	9.1	116	0.00
92	1,2,3-Trichlorobenzene	0.320	0.284	11.3	106	0.00

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Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range				
SPCC's out = 0 CCC's out = 0				