

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN110220\
 Data File : VN064417.D
 Acq On : 2 Nov 2020 16:15
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110220

Quant Time: Nov 03 03:14:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 03 02:03:38 2020
 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	113	0.00
2 M	Dichlorodifluoromethane	1.930	1.818	5.8	107	0.00
3 M	Chloromethane	1.993	1.886	5.4	113	0.00
4 M	Vinyl Chloride	2.057	1.860	9.6	108	0.00
5 M	Bromomethane	1.342	1.295	3.5	114	0.00
6 M	Chloroethane	1.200	1.066	11.2	104	0.00
7 M	Trichlorofluoromethane	3.407	3.177	6.8	106	0.00
8 T	Diethyl Ether	1.045	0.986	5.6	114	0.00
9	1,1,2-Trichlorotrifluoroeth	1.696	1.612	5.0	112	0.00
10 M	1,1-Dichloroethene	1.623	1.497	7.8	112	0.00
11	Methyl Iodide	2.178	1.807	17.0	105	0.00
12	Methyl Acetate	1.698	1.577	7.1	110	0.00
13 M	Acrolein	0.164	0.146	11.0	105	0.00
14 M	Acrylonitrile	0.764	0.691	9.6	109	0.00
15 M	Acetone	0.265	0.210	20.8	80	0.00
16 M	Carbon Disulfide	4.606	4.233	8.1	111	0.00
17	Allyl chloride	2.847	2.493	12.4	108	0.00
18 M	Methylene Chloride	1.878	1.731	7.8	110	0.00
19 M	trans-1,2-Dichloroethene	1.786	1.651	7.6	112	0.00
20 T	Diisopropyl ether	6.091	5.554	8.8	108	0.00
21 M	1,1-Dichloroethane	3.436	3.135	8.8	108	0.00
22 M	cis-1,2-Dichloroethene	2.117	1.924	9.1	109	0.00
23 M	tert-Butyl Alcohol	0.290	0.277	4.5	111	0.00
24 M	Methyl tert-Butyl Ether	5.808	5.262	9.4	109	0.00
25 M	Chloroform	3.680	3.290	10.6	105	0.00
26	Cyclohexane	2.721	2.489	8.5	112	0.00
27 s	1,2-Dichloroethane-d4	2.449	2.452	-0.1	108	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	111	0.00
29	1,1-Dichloropropene	0.483	0.436	9.7	110	0.00
30 M	2-Butanone	0.219	0.193	11.9	98	0.00
31	2,2-Dichloropropane	0.593	0.538	9.3	108	0.00
32 M	1,1,1-Trichloroethane	0.633	0.581	8.2	108	0.00
33 M	Carbon Tetrachloride	0.570	0.524	8.1	108	0.00
34 M	Benzene	1.368	1.243	9.1	108	0.00
35	Methacrylonitrile	0.217	0.208	4.1	123	0.00
36 M	1,2-Dichloroethane	0.566	0.518	8.5	105	0.00
37 M	Trichloroethene	0.384	0.353	8.1	113	0.00
38	Methylcyclohexane	0.438	0.395	9.8	110	0.00
39 M	1,2-Dichloropropane	0.351	0.329	6.3	112	0.00
40	Dibromomethane	0.254	0.225	11.4	105	0.00
41 M	Bromodichloromethane	0.537	0.488	9.1	107	0.00
42 M	Vinyl Acetate	0.928	0.855	7.9	110	0.00
43	Ethyl Acetate	0.424	0.408	3.8	129	0.00
44	Isopropyl Acetate	0.755	0.714	5.4	111	0.00
45 T	1,4-Dioxane	0.005	0.005#	0.0	121	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.373	0.341	8.6	109	0.00
47	n-amyl Acetate	0.642	0.584	9.0	111	0.00
48 M	t-1,3-Dichloropropene	0.593	0.524	11.6	110	0.00
49 T	cis-1,3-Dichloropropene	0.613	0.549	10.4	109	0.00
50 M	1,1,2-Trichloroethane	0.341	0.305	10.6	106	0.00
51	Ethyl methacrylate	0.490	0.444	9.4	113	0.00
52	1,3-Dichloropropane	0.576	0.527	8.5	107	0.00
53 M	Dibromochloromethane	0.419	0.377	10.0	111	0.00
54 M	1,2-Dibromoethane	0.365	0.315	13.7	103	0.00
55 M	2-Chloroethyl vinyl ether	0.264	0.237	10.2	116	0.00
56 M	Bromoform	0.296	0.259	12.5	113	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
58 M	4-Methyl-2-Pentanone	0.475	0.446	6.1	108	0.00
59 M	2-Hexanone	0.353	0.323	8.5	101	0.00
60 S	4-Bromofluorobenzene	0.507	0.515	-1.6	113	0.00
61 M	Tetrachloroethene	0.407	0.387	4.9	109	0.00
62 M	Toluene	1.680	1.610	4.2	112	0.00
63 S	Toluene-d8	1.338	1.354	-1.2	110	0.00
64 M	Chlorobenzene	1.052	0.982	6.7	110	0.00
65	1,1,1,2-Tetrachloroethane	0.409	0.393	3.9	110	0.00
66 M	Ethyl Benzene	1.854	1.710	7.8	108	0.00
67 M	m/p-Xylenes	0.697	0.647	7.2	109	0.00
68 M	o-Xylene	0.672	0.630	6.3	111	0.00
69 M	Styrene	1.121	1.016	9.4	110	0.00
70	Isopropylbenzene	1.739	1.595	8.3	108	0.00
71 M	1,1,2,2-Tetrachloroethane	0.484	0.452	6.6	108	0.00
72	1,2,3-Trichloropropane	0.505	0.436	13.7	103	0.00
73	Bromobenzene	0.451	0.424	6.0	109	0.00
74	n-propylbenzene	1.907	1.790	6.1	111	0.00
75	2-Chlorotoluene	1.208	1.154	4.5	110	0.00
76	1,3,5-Trimethylbenzene	1.432	1.356	5.3	113	0.00
77	t-1,4-Dichloro-2-butene	0.178	0.165	7.3	113	0.00
78	4-Chlorotoluene	1.248	1.180	5.4	112	0.00
79	tert-butylbenzene	1.146	1.069	6.7	109	0.00
80	1,2,4-Trimethylbenzene	1.451	1.327	8.5	108	0.00
81	sec-Butylbenzene	1.445	1.363	5.7	112	0.00
82	p-Isopropyltoluene	1.328	1.246	6.2	113	0.00
83 M	1,3-Dichlorobenzene	0.766	0.712	7.0	113	0.00
84 M	1,4-Dichlorobenzene	0.772	0.686	11.1	107	0.00
85	n-Butylbenzene	1.060	1.016	4.2	114	0.00
86 T	Hexachloroethane	0.249	0.229	8.0	113	0.00
87 M	1,2-Dichlorobenzene	0.740	0.672	9.2	106	0.00
88	1,2-Dibromo-3-Chloropropane	0.104	0.100	3.8	116	0.00
89	1,2,4-Trichlorobenzene	0.362	0.330	8.8	114	0.00
90	Hexachlorobutadiene	0.193	0.191	1.0	119	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.075	0.943	12.3	116	0.00
92	1,2,3-Trichlorobenzene	0.358	0.328	8.4	120	0.00

(#) = Out of Range

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