

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN102620\
 Data File : VN064310.D
 Acq On : 26 Oct 2020 18:17
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Quant Time: Oct 27 02:43:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 17:44:53 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	100	0.00
2 M	Dichlorodifluoromethane	2.454	2.363	3.7	98	0.00
3 M	Chloromethane	2.293	2.259	1.5	105	0.00
4 M	Vinyl Chloride	2.235	2.083	6.8	98	0.00
5 M	Bromomethane	1.380	1.416	-2.6	106	0.00
6 M	Chloroethane	1.249	1.176	5.8	99	0.00
7 M	Trichlorofluoromethane	3.444	3.361	2.4	99	0.00
8 T	Diethyl Ether	1.103	1.071	2.9	100	0.00
9	1,1,2-Trichlorotrifluoroeth	1.754	1.658	5.5	102	0.00
10 M	1,1-Dichloroethene	1.686	1.620	3.9	102	0.00
11	Methyl Iodide	2.414	2.057	14.8	95	0.00
12	Methyl Acetate	2.018	1.955	3.1	101	0.00
13 M	Acrolein	0.133	0.118	11.3	111	0.00
14 M	Acrylonitrile	0.878	0.810	7.7	98	0.00
15 M	Acetone	0.242	0.211	12.8	95	0.00
16 M	Carbon Disulfide	5.004	4.643	7.2	103	0.00
17	Allyl chloride	3.201	2.804	12.4	99	0.00
18 M	Methylene Chloride	1.919	1.747	9.0	96	0.00
19 M	trans-1,2-Dichloroethene	1.830	1.734	5.2	106	0.00
20 T	Diisopropyl ether	6.478	6.126	5.4	101	0.00
21 M	1,1-Dichloroethane	3.629	3.492	3.8	103	0.00
22 M	cis-1,2-Dichloroethene	2.111	2.013	4.6	102	0.00
23 M	tert-Butyl Alcohol	0.400	0.395	1.3	107	0.00
24 M	Methyl tert-Butyl Ether	6.368	6.063	4.8	101	0.00
25 M	Chloroform	3.744	3.576	4.5	101	0.00
26	Cyclohexane	2.973	2.773	6.7	102	0.00
27 s	1,2-Dichloroethane-d4	2.699	2.799	-3.7	100	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
29	1,1-Dichloropropene	0.516	0.477	7.6	101	0.00
30 M	2-Butanone	0.243	0.226	7.0	99	0.00
31	2,2-Dichloropropane	0.620	0.578	6.8	100	0.00
32 M	1,1,1-Trichloroethane	0.646	0.612	5.3	101	0.00
33 M	Carbon Tetrachloride	0.592	0.541	8.6	99	0.00
34 M	Benzene	1.386	1.290	6.9	100	0.00
35	Methacrylonitrile	0.254	0.228	10.2	99	0.01
36 M	1,2-Dichloroethane	0.616	0.573	7.0	97	0.00
37 M	Trichloroethene	0.378	0.354	6.3	103	0.00
38	Methylcyclohexane	0.499	0.459	8.0	104	0.00
39 M	1,2-Dichloropropane	0.374	0.347	7.2	97	0.00
40	Dibromomethane	0.260	0.253	2.7	103	0.00
41 M	Bromodichloromethane	0.561	0.512	8.7	98	0.00
42 M	Vinyl Acetate	1.040	0.947	8.9	97	0.00
43	Ethyl Acetate	0.496	0.466	6.0	100	0.00
44	Isopropyl Acetate	0.911	0.826	9.3	96	0.00
45 T	1,4-Dioxane	0.007	0.006#	14.3	95	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.445	0.427	4.0	101	0.00
47	n-amyl Acetate	0.767	0.678	11.6	96	0.00
48 M	t-1,3-Dichloropropene	0.633	0.575	9.2	96	0.00
49 T	cis-1,3-Dichloropropene	0.645	0.578	10.4	98	0.00
50 M	1,1,2-Trichloroethane	0.349	0.317	9.2	95	0.00
51	Ethyl methacrylate	0.544	0.486	10.7	97	0.00
52	1,3-Dichloropropane	0.612	0.569	7.0	98	0.00
53 M	Dibromochloromethane	0.426	0.386	9.4	97	0.00
54 M	1,2-Dibromoethane	0.372	0.344	7.5	97	0.00
55 M	2-Chloroethyl vinyl ether	0.271	0.257	5.2	101	0.00
56 M	Bromoform	0.305	0.266	12.8	93	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
58 M	4-Methyl-2-Pentanone	0.555	0.532	4.1	98	0.00
59 M	2-Hexanone	0.415	0.387	6.7	97	0.00
60 S	4-Bromofluorobenzene	0.537	0.557	-3.7	101	0.00
61 M	Tetrachloroethene	0.400	0.376	6.0	99	0.00
62 M	Toluene	1.652	1.546	6.4	100	0.00
63 S	Toluene-d8	1.338	1.406	-5.1	103	0.00
64 M	Chlorobenzene	1.030	0.985	4.4	103	0.00
65	1,1,1,2-Tetrachloroethane	0.407	0.391	3.9	102	0.00
66 M	Ethyl Benzene	1.889	1.780	5.8	99	0.00
67 M	m/p-Xylenes	0.694	0.645	7.1	101	0.00
68 M	o-Xylene	0.682	0.627	8.1	100	0.00
69 M	Styrene	1.137	1.035	9.0	99	0.00
70	Isopropylbenzene	1.809	1.678	7.2	99	0.00
71 M	1,1,2,2-Tetrachloroethane	0.515	0.493	4.3	98	0.00
72	1,2,3-Trichloropropane	0.549	0.537	2.2	92	0.00
73	Bromobenzene	0.443	0.417	5.9	101	0.00
74	n-propylbenzene	2.061	1.870	9.3	98	0.00
75	2-Chlorotoluene	1.275	1.197	6.1	99	0.00
76	1,3,5-Trimethylbenzene	1.530	1.426	6.8	100	0.00
77	t-1,4-Dichloro-2-butene	0.205	0.190	7.3	95	0.00
78	4-Chlorotoluene	1.334	1.230	7.8	99	0.00
79	tert-butylbenzene	1.261	1.158	8.2	101	0.00
80	1,2,4-Trimethylbenzene	1.543	1.416	8.2	98	0.00
81	sec-Butylbenzene	1.636	1.459	10.8	98	0.00
82	p-Isopropyltoluene	1.499	1.353	9.7	100	0.00
83 M	1,3-Dichlorobenzene	0.770	0.703	8.7	101	0.00
84 M	1,4-Dichlorobenzene	0.773	0.698	9.7	100	0.00
85	n-Butylbenzene	1.307	1.172	10.3	102	0.00
86 T	Hexachloroethane	0.279	0.261	6.5	102	0.00
87 M	1,2-Dichlorobenzene	0.758	0.693	8.6	100	0.00
88	1,2-Dibromo-3-Chloropropane	0.130	0.131	-0.8	105	0.00
89	1,2,4-Trichlorobenzene	0.430	0.377	12.3	101	0.00
90	Hexachlorobutadiene	0.231	0.211	8.7	103	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.297	1.190	8.2	100	0.00
92	1,2,3-Trichlorobenzene	0.415	0.390	6.0	105	0.00

(#) = Out of Range

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