

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN090519\
 Data File : VN057700.D
 Acq On : 5 Sep 2019 12:53
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 06 01:45:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 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	103	0.00
2 M	Dichlorodifluoromethane	2.161	2.123	1.8	107	0.00
3 M	Chloromethane	2.279	1.984	12.9	91	0.00
4 M	Vinyl Chloride	1.864	1.780	4.5	100	0.00
5 M	Bromomethane	1.192	1.187	0.4	100	0.02
6 M	Chloroethane	1.361	1.238	9.0	92	0.00
7 M	Trichlorofluoromethane	3.570	3.447	3.4	104	0.00
8 T	Diethyl Ether	1.174	1.084	7.7	95	0.00
9	1,1,2-Trichlorotrifluoroeth	1.855	1.777	4.2	101	0.00
10 M	1,1-Dichloroethene	1.692	1.610	4.8	101	0.00
11	Methyl Iodide	2.344	2.066	11.9	98	0.00
12	Methyl Acetate	2.527	2.298	9.1	95	0.00
13 M	Acrolein	0.143	0.096	32.9#	68	0.00
14 M	Acrylonitrile	0.920	0.817	11.2	94	0.00
15 M	Acetone	0.258	0.201	22.1	85	0.00
16 M	Carbon Disulfide	4.252	3.938	7.4	103	0.00
17	Allyl chloride	3.615	3.466	4.1	109	0.00
18 M	Methylene Chloride	2.121	1.929	9.1	98	0.00
19 M	trans-1,2-Dichloroethene	1.790	1.694	5.4	100	0.00
20 T	Diisopropyl ether	7.789	7.397	5.0	98	0.00
21 M	1,1-Dichloroethane	4.015	3.768	6.2	97	0.00
22 M	cis-1,2-Dichloroethene	2.187	2.070	5.3	98	0.00
23 M	tert-Butyl Alcohol	0.334	0.272	18.6	90	0.00
24 M	Methyl tert-Butyl Ether	6.725	6.307	6.2	99	0.00
25 M	Chloroform	4.162	3.987	4.2	100	0.00
26	Cyclohexane	3.419	3.185	6.8	98	0.00
27 s	1,2-Dichloroethane-d4	3.189	3.171	0.6	100	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29	1,1-Dichloropropene	0.479	0.455	5.0	96	0.00
30 M	2-Butanone	0.226	0.199	11.9	91	0.00
31	2,2-Dichloropropane	0.593	0.528	11.0	94	0.00
32 M	1,1,1-Trichloroethane	0.593	0.584	1.5	103	0.00
33 M	Carbon Tetrachloride	0.482	0.470	2.5	104	0.00
34 M	Benzene	1.376	1.339	2.7	98	0.00
35	Methacrylonitrile	0.207	0.225	-8.7	123	0.00
36 M	1,2-Dichloroethane	0.613	0.588	4.1	100	0.00
37 M	Trichloroethene	0.327	0.318	2.8	100	0.00
38	Methylcyclohexane	0.532	0.505	5.1	98	0.00
39 M	1,2-Dichloropropane	0.376	0.367	2.4	98	0.00
40	Dibromomethane	0.244	0.232	4.9	99	0.00
41 M	Bromodichloromethane	0.527	0.494	6.3	100	0.00
42 M	Vinyl Acetate	0.995	0.985	1.0	97	0.00
43	Ethyl Acetate	0.466	0.403	13.5	93	0.00
44	Isopropyl Acetate	0.871	0.810	7.0	96	0.00
45 T	1,4-Dioxane	0.006	0.004#	33.3#	78	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.423	0.386	8.7	97	0.00
47	n-amyl Acetate	0.676	0.536	20.7	91	0.00
48 M	t-1,3-Dichloropropene	0.553	0.486	12.1	94	0.00
49 T	cis-1,3-Dichloropropene	0.590	0.534	9.5	95	0.00
50 M	1,1,2-Trichloroethane	0.329	0.315	4.3	98	0.00
51	Ethyl methacrylate	0.536	0.471	12.1	95	0.00
52	1,3-Dichloropropane	0.586	0.543	7.3	95	0.00
53 M	Dibromochloromethane	0.343	0.307	10.5	100	0.00
54 M	1,2-Dibromoethane	0.329	0.306	7.0	98	0.00
55 M	2-Chloroethyl vinyl ether	0.169	0.105	37.9#	72	0.00
56 M	Bromoform	0.213	0.178	16.4	99	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	0.530	0.539	-1.7	95	0.00
59 M	2-Hexanone	0.375	0.350	6.7	95	0.00
60 S	4-Bromofluorobenzene	0.513	0.479	6.6	97	0.00
61 M	Tetrachloroethene	0.344	0.356	-3.5	96	0.00
62 M	Toluene	1.684	1.641	2.6	95	0.00
63 S	Toluene-d8	1.445	1.483	-2.6	96	0.00
64 M	Chlorobenzene	0.989	0.941	4.9	97	0.00
65	1,1,1,2-Tetrachloroethane	0.362	0.364	-0.6	104	0.00
66 M	Ethyl Benzene	1.883	1.864	1.0	97	0.00
67 M	m/p-Xylenes	0.660	0.622	5.8	96	0.00
68 M	o-Xylene	0.658	0.616	6.4	95	0.00
69 M	Styrene	1.054	0.916	13.1	92	0.00
70	Isopropylbenzene	1.803	1.749	3.0	96	0.00
71 M	1,1,2,2-Tetrachloroethane	0.475	0.459	3.4	96	0.00
72	1,2,3-Trichloropropane	0.446	0.417	6.5	97	0.00
73	Bromobenzene	0.382	0.344	9.9	98	0.00
74	n-propylbenzene	1.996	1.769	11.4	93	0.00
75	2-Chlorotoluene	1.250	1.163	7.0	97	0.00
76	1,3,5-Trimethylbenzene	1.497	1.416	5.4	99	0.00
77	t-1,4-Dichloro-2-butene	0.136	0.108	20.6	94	0.00
78	4-Chlorotoluene	1.188	0.997	16.1	94	0.00
79	tert-butylbenzene	1.286	1.180	8.2	96	0.00
80	1,2,4-Trimethylbenzene	1.407	1.266	10.0	95	0.00
81	sec-Butylbenzene	1.657	1.459	11.9	93	0.00
82	p-Isopropyltoluene	1.407	1.171	16.8	90	0.00
83 M	1,3-Dichlorobenzene	0.572	0.491	14.2	99	0.00
84 M	1,4-Dichlorobenzene	0.540	0.453	16.1	99	0.00
85	n-Butylbenzene	1.237	0.993	19.7	86	0.00
86 T	Hexachloroethane	0.255	0.232	9.0	99	0.00
87 M	1,2-Dichlorobenzene	0.528	0.498	5.7	107	0.00
88	1,2-Dibromo-3-Chloropropane	0.070	0.053	24.3	108	0.00
89	1,2,4-Trichlorobenzene	0.183	0.115	37.2#	121	0.00
90	Hexachlorobutadiene	0.203	0.174	14.3	87	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.475	0.271	42.9#	116	0.00
92	1,2,3-Trichlorobenzene	0.178	0.114	36.0#	121	0.00

(#) = Out of Range

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