

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN092619\
 Data File : VN058396.D
 Acq On : 26 Sep 2019 19:46
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 27 05:54:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 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	95	0.00
2 M	Dichlorodifluoromethane	1.804	1.835	-1.7	93	0.00
3 M	Chloromethane	2.083	2.071	0.6	95	0.00
4 M	Vinyl Chloride	2.079	2.050	1.4	92	0.00
5 M	Bromomethane	1.129	0.631	44.1#	56	-0.05
6 M	Chloroethane	1.228	1.270	-3.4	95	-0.07
7 M	Trichlorofluoromethane	2.447	2.756	-12.6	103	-0.04
8 T	Diethyl Ether	1.088	1.213	-11.5	107	0.00
9	1,1,2-Trichlorotrifluoroeth	1.685	1.798	-6.7	101	-0.02
10 M	1,1-Dichloroethene	1.647	1.775	-7.8	102	-0.02
11	Methyl Iodide	1.689	1.519	10.1	96	-0.02
12	Methyl Acetate	2.193	2.427	-10.7	110	0.00
13 M	Acrolein	0.062	0.067	-8.1	100	0.00
14 M	Acrylonitrile	0.906	0.896	1.1	96	0.00
15 M	Acetone	0.251	0.229	8.8	82	0.00
16 M	Carbon Disulfide	4.577	4.045	11.6	90	-0.02
17	Allyl chloride	3.076	3.097	-0.7	97	-0.01
18 M	Methylene Chloride	1.943	2.039	-4.9	99	-0.01
19 M	trans-1,2-Dichloroethene	1.846	1.954	-5.9	101	0.00
20 T	Diisopropyl ether	6.555	6.939	-5.9	103	0.00
21 M	1,1-Dichloroethane	3.668	3.876	-5.7	101	0.00
22 M	cis-1,2-Dichloroethene	2.145	2.275	-6.1	101	0.00
23 M	tert-Butyl Alcohol	0.334	0.257	23.1	76	0.07
24 M	Methyl tert-Butyl Ether	5.912	6.434	-8.8	104	0.00
25 M	Chloroform	3.714	3.803	-2.4	99	0.00
26	Cyclohexane	3.428	3.514	-2.5	99	0.00
27 s	1,2-Dichloroethane-d4	2.652	2.737	-3.2	96	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29	1,1-Dichloropropene	0.490	0.477	2.7	99	0.00
30 M	2-Butanone	0.222	0.191	14.0	87	0.00
31	2,2-Dichloropropane	0.504	0.453	10.1	92	0.00
32 M	1,1,1-Trichloroethane	0.528	0.519	1.7	100	0.00
33 M	Carbon Tetrachloride	0.449	0.415	7.6	95	0.00
34 M	Benzene	1.389	1.396	-0.5	101	0.00
35	Methacrylonitrile	0.191	0.176	7.9	97	0.00
36 M	1,2-Dichloroethane	0.544	0.529	2.8	99	0.00
37 M	Trichloroethene	0.348	0.343	1.4	100	0.00
38	Methylcyclohexane	0.592	0.540	8.8	95	0.00
39 M	1,2-Dichloropropane	0.379	0.377	0.5	102	0.00
40	Dibromomethane	0.239	0.228	4.6	97	0.00
41 M	Bromodichloromethane	0.473	0.434	8.2	96	0.00
42 M	Vinyl Acetate	0.849	0.898	-5.8	100	0.00
43	Ethyl Acetate	0.441	0.433	1.8	101	0.00
44	Isopropyl Acetate	0.790	0.798	-1.0	104	0.00
45 T	1,4-Dioxane	0.007	0.003#	57.1#	51	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.375	0.338	9.9	95	0.00
47	n-amyl Acetate	0.688	0.662	3.8	104	0.00
48 M	t-1,3-Dichloropropene	0.517	0.476	7.9	100	0.00
49 T	cis-1,3-Dichloropropene	0.575	0.535	7.0	97	0.00
50 M	1,1,2-Trichloroethane	0.334	0.325	2.7	99	0.00
51	Ethyl methacrylate	0.529	0.490	7.4	98	0.00
52	1,3-Dichloropropane	0.594	0.572	3.7	97	0.00
53 M	Dibromochloromethane	0.336	0.305	9.2	98	0.00
54 M	1,2-Dibromoethane	0.341	0.328	3.8	100	0.00
55 M	2-Chloroethyl vinyl ether	0.224	0.225	-0.4	104	0.00
56 M	Bromoform	0.212	0.173	18.4	94	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	0.470	0.480	-2.1	92	0.00
59 M	2-Hexanone	0.355	0.387	-9.0	102	0.00
60 S	4-Bromofluorobenzene	0.519	0.505	2.7	95	0.00
61 M	Tetrachloroethene	0.314	0.319	-1.6	100	0.00
62 M	Toluene	1.643	1.941	-18.1	113	0.00
63 S	Toluene-d8	1.432	1.437	-0.3	96	0.00
64 M	Chlorobenzene	1.010	1.010	0.0	97	0.00
65	1,1,1,2-Tetrachloroethane	0.354	0.349	1.4	99	0.00
66 M	Ethyl Benzene	1.792	1.948	-8.7	101	0.00
67 M	m/p-Xylenes	0.688	0.731	-6.3	103	0.00
68 M	o-Xylene	0.669	0.679	-1.5	99	0.00
69 M	Styrene	1.118	1.106	1.1	97	0.00
70	Isopropylbenzene	1.733	1.798	-3.8	96	0.00
71 M	1,1,2,2-Tetrachloroethane	0.551	0.535	2.9	96	0.00
72	1,2,3-Trichloropropane	0.474	0.437	7.8	89	0.00
73	Bromobenzene	0.420	0.417	0.7	98	0.00
74	n-propylbenzene	1.998	2.078	-4.0	95	0.00
75	2-Chlorotoluene	1.250	1.239	0.9	96	0.00
76	1,3,5-Trimethylbenzene	1.492	1.509	-1.1	96	0.00
77	t-1,4-Dichloro-2-butene	0.155	0.135	12.9	99	0.00
78	4-Chlorotoluene	1.281	1.241	3.1	94	0.00
79	tert-butylbenzene	1.292	1.279	1.0	97	0.00
80	1,2,4-Trimethylbenzene	1.490	1.546	-3.8	97	0.00
81	sec-Butylbenzene	1.695	1.657	2.2	91	0.00
82	p-Isopropyltoluene	1.526	1.481	2.9	92	0.00
83 M	1,3-Dichlorobenzene	0.775	0.744	4.0	96	0.00
84 M	1,4-Dichlorobenzene	0.771	0.731	5.2	96	0.00
85	n-Butylbenzene	1.418	1.281	9.7	88	0.00
86 T	Hexachloroethane	0.247	0.202	18.2	87	0.00
87 M	1,2-Dichlorobenzene	0.756	0.738	2.4	96	0.00
88	1,2-Dibromo-3-Chloropropane	0.108	0.092	14.8	91	0.00
89	1,2,4-Trichlorobenzene	0.494	0.406	17.8	88	0.00
90	Hexachlorobutadiene	0.239	0.186	22.2	80	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.357	1.200	11.6	94	0.00
92	1,2,3-Trichlorobenzene	0.475	0.378	20.4	85	0.00

(#) = Out of Range

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