

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056587.D
 Acq On : 3 Jul 2019 15:17
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 03 22:34:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 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	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	104	0.00
2 M	Dichlorodifluoromethane	20.000	20.254	-1.3	106	0.00
3 M	Chloromethane	20.000	18.317	8.4	98	0.00
4 M	Vinyl Chloride	20.000	19.671	1.6	107	0.00
5 M	Bromomethane	20.000	22.940	-14.7	115	0.00
6 M	Chloroethane	20.000	19.144	4.3	103	0.00
7 M	Trichlorofluoromethane	20.000	19.654	1.7	104	0.00
8 T	Diethyl Ether	20.000	19.188	4.1	103	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.530	2.3	105	0.00
10 M	1,1-Dichloroethene	20.000	19.039	4.8	101	0.00
11	Methyl Iodide	20.000	18.570	7.1	106	0.00
12	Methyl Acetate	20.000	18.542	7.3	105	0.00
13 M	Acrolein	100.000	80.247	19.8	87	0.00
14 M	Acrylonitrile	100.000	92.919	7.1	100	0.00
15 M	Acetone	100.000	88.301	11.7	92	0.00
16 M	Carbon Disulfide	20.000	18.720	6.4	106	0.00
17	Allyl chloride	20.000	18.504	7.5	102	0.00
18 M	Methylene Chloride	20.000	19.197	4.0	103	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.149	4.3	103	0.00
20 T	Diisopropyl ether	20.000	19.363	3.2	103	0.00
21 M	1,1-Dichloroethane	20.000	18.941	5.3	101	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.241	3.8	104	0.00
23 M	tert-Butyl Alcohol	100.000	92.953	7.0	109	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.119	4.4	104	0.00
25 M	Chloroform	20.000	19.215	3.9	103	0.00
26	Cyclohexane	20.000	19.403	3.0	105	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.000	0.0	104	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	104	0.00
29	1,1-Dichloropropene	20.000	19.323	3.4	105	0.00
30 M	2-Butanone	100.000	88.376	11.6	93	0.00
31	2,2-Dichloropropane	20.000	16.954	15.2	93	0.00
32 M	1,1,1-Trichloroethane	20.000	19.118	4.4	103	0.00
33 M	Carbon Tetrachloride	20.000	18.597	7.0	103	0.00
34 M	Benzene	20.000	19.272	3.6	104	0.00
35	Methacrylonitrile	20.000	17.409	13.0	89	0.00
36 M	1,2-Dichloroethane	20.000	19.124	4.4	103	0.00
37 M	Trichloroethene	20.000	19.397	3.0	106	0.00
38	Methylcyclohexane	20.000	19.228	3.9	105	0.00
39 M	1,2-Dichloropropane	20.000	19.126	4.4	102	0.00
40	Dibromomethane	20.000	19.094	4.5	103	0.00
41 M	Bromodichloromethane	20.000	18.623	6.9	103	0.00
42 M	Vinyl Acetate	100.000	94.849	5.2	103	0.00
43	Ethyl Acetate	20.000	17.581	12.1	94	0.00
44	Isopropyl Acetate	20.000	18.298	8.5	100	0.00
45 T	1,4-Dioxane	400.000	391.557	2.1	104	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056587.D
 Acq On : 3 Jul 2019 15:17
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 03 22:34:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 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	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	18.293	8.5	102	0.00
47	n-amyl Acetate	20.000	17.975	10.1	102	0.00
48 M	t-1,3-Dichloropropene	20.000	18.020	9.9	103	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.563	7.2	104	0.00
50 M	1,1,2-Trichloroethane	20.000	19.340	3.3	104	0.00
51	Ethyl methacrylate	20.000	18.574	7.1	101	0.00
52	1,3-Dichloropropane	20.000	19.139	4.3	104	0.00
53 M	Dibromochloromethane	20.000	18.195	9.0	102	0.00
54 M	1,2-Dibromoethane	20.000	18.866	5.7	104	0.00
55 M	2-Chloroethyl vinyl ether	100.000	92.112	7.9	100	0.00
56 M	Bromoform	20.000	17.010	14.9	100	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	104	0.00
58 M	4-Methyl-2-Pentanone	100.000	95.216	4.8	100	0.00
59 M	2-Hexanone	100.000	90.984	9.0	97	0.00
60 S	4-Bromofluorobenzene	30.000	29.810	0.6	106	0.00
61 M	Tetrachloroethene	20.000	20.076	-0.4	105	0.00
62 M	Toluene	20.000	19.664	1.7	104	0.00
63 S	Toluene-d8	30.000	30.477	-1.6	103	0.00
64 M	Chlorobenzene	20.000	19.456	2.7	104	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.285	3.6	105	0.00
66 M	Ethyl Benzene	20.000	19.265	3.7	103	0.00
67 M	m/p-Xylenes	40.000	39.584	1.0	106	0.00
68 M	o-Xylene	20.000	19.462	2.7	104	0.00
69 M	Styrene	20.000	19.368	3.2	104	0.00
70	Isopropylbenzene	20.000	19.712	1.4	104	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.914	5.4	101	0.00
72	1,2,3-Trichloropropane	20.000	19.515	2.4	99	0.00
73	Bromobenzene	20.000	19.145	4.3	103	0.00
74	n-propylbenzene	20.000	19.361	3.2	106	0.00
75	2-Chlorotoluene	20.000	19.650	1.8	105	0.00
76	1,3,5-Trimethylbenzene	20.000	19.995	0.0	107	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.145	19.3	97	0.00
78	4-Chlorotoluene	20.000	19.204	4.0	104	0.00
79	tert-butylbenzene	20.000	19.402	3.0	104	0.00
80	1,2,4-Trimethylbenzene	20.000	19.647	1.8	106	0.00
81	sec-Butylbenzene	20.000	19.571	2.1	106	0.00
82	p-Isopropyltoluene	20.000	19.626	1.9	107	0.00
83 M	1,3-Dichlorobenzene	20.000	19.477	2.6	108	0.00
84 M	1,4-Dichlorobenzene	20.000	19.139	4.3	106	0.00
85	n-Butylbenzene	20.000	18.710	6.4	105	0.00
86 T	Hexachloroethane	20.000	18.406	8.0	106	0.00
87 M	1,2-Dichlorobenzene	20.000	19.302	3.5	103	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	16.913	15.4	98	0.00
89	1,2,4-Trichlorobenzene	20.000	17.889	10.6	110	0.00
90	Hexachlorobutadiene	20.000	19.169	4.2	104	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
Data File : VN056587.D
Acq On : 3 Jul 2019 15:17
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Jul 03 22:34:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 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	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	16.864	15.7	104	0.00
92	1,2,3-Trichlorobenzene	20.000	17.911	10.4	106	0.00

(#) = Out of Range

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