

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN082018\
 Data File : VN050763.D
 Acq On : 20 Aug 2018 10:16
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 21 02:58:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 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	83	0.00
2 M	Dichlorodifluoromethane	20.000	15.799	21.0	58	0.00
3 M	Chloromethane	20.000	20.132	-0.7	80	0.00
4 M	Vinyl Chloride	20.000	18.962	5.2	75	0.00
5 M	Bromomethane	20.000	18.053	9.7	72	0.00
6 M	Chloroethane	20.000	19.688	1.6	78	0.00
7 M	Trichlorofluoromethane	20.000	19.480	2.6	75	0.00
8 T	Diethyl Ether	20.000	18.916	5.4	80	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	20.347	-1.7	79	0.00
10 M	1,1-Dichloroethene	20.000	19.814	0.9	79	0.00
11	Methyl Iodide	20.000	9.094	54.5#	37	0.00
12	Methyl Acetate	20.000	15.666	21.7	62	0.00
13 M	Acrolein	100.000	70.038	30.0	65	0.00
14 M	Acrylonitrile	100.000	86.744	13.3	73	0.00
15 M	Acetone	100.000	108.549	-8.5	86	0.00
16 M	Carbon Disulfide	20.000	19.570	2.1	79	0.00
17	Allyl chloride	20.000	19.621	1.9	82	0.00
18 M	Methylene Chloride	20.000	20.770	-3.8	83	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.318	-1.6	81	0.00
20 T	Diisopropyl ether	20.000	20.946	-4.7	84	0.00
21 M	1,1-Dichloroethane	20.000	20.143	-0.7	81	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.125	-0.6	82	0.00
23 M	tert-Butyl Alcohol	100.000	67.294	32.7#	57	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.734	6.3	77	0.00
25 M	Chloroform	20.000	20.146	-0.7	80	0.00
26	Cyclohexane	20.000	20.846	-4.2	85	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.212	6.0	77	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	86	0.00
29	1,1-Dichloropropene	20.000	19.853	0.7	81	0.00
30 M	2-Butanone	100.000	99.331	0.7	86	0.00
31	2,2-Dichloropropane	20.000	19.480	2.6	81	0.00
32 M	1,1,1-Trichloroethane	20.000	19.043	4.8	79	0.00
33 M	Carbon Tetrachloride	20.000	19.237	3.8	81	0.00
34 M	Benzene	20.000	19.911	0.4	83	0.00
35	Methacrylonitrile	20.000	16.403	18.0	74	0.00
36 M	1,2-Dichloroethane	20.000	18.177	9.1	76	0.00
37 M	Trichloroethene	20.000	20.002	-0.0	84	0.00
38	Methylcyclohexane	20.000	19.584	2.1	84	0.00
39 M	1,2-Dichloropropane	20.000	20.432	-2.2	85	0.00
40	Dibromomethane	20.000	18.636	6.8	79	0.00
41 M	Bromodichloromethane	20.000	19.330	3.4	81	0.00
42 M	Vinyl Acetate	100.000	88.923	11.1	77	0.00
43	Ethyl Acetate	20.000	16.585	17.1	70	0.00
44	Isopropyl Acetate	20.000	15.711	21.4	67	0.00
45 T	1,4-Dioxane	400.000	305.731	23.6	65	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	15.648	21.8	68	0.00
47	n-amyl Acetate	20.000	15.907	20.5	74	0.00
48 M	t-1,3-Dichloropropene	20.000	18.842	5.8	80	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.481	2.6	83	0.00
50 M	1,1,2-Trichloroethane	20.000	18.959	5.2	80	0.00
51	Ethyl methacrylate	20.000	16.720	16.4	77	0.00
52	1,3-Dichloropropane	20.000	19.143	4.3	81	0.00
53 M	Dibromochloromethane	20.000	18.777	6.1	81	0.00
54 M	1,2-Dibromoethane	20.000	18.068	9.7	78	0.00
55 M	2-Chloroethyl vinyl ether	100.000	90.296	9.7	80	0.00
56 M	Bromoform	20.000	17.475	12.6	77	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	86	0.00
58 M	4-Methyl-2-Pentanone	100.000	100.722	-0.7	85	0.00
59 M	2-Hexanone	100.000	97.153	2.8	84	0.00
60 S	4-Bromofluorobenzene	30.000	30.067	-0.2	88	0.00
61 M	Tetrachloroethene	20.000	18.676	6.6	75	0.00
62 M	Toluene	20.000	19.874	0.6	83	0.00
63 S	Toluene-d8	30.000	29.961	0.1	84	0.00
64 M	Chlorobenzene	20.000	20.325	-1.6	86	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.616	1.9	82	0.00
66 M	Ethyl Benzene	20.000	19.691	1.5	84	0.00
67 M	m/p-Xylenes	40.000	41.140	-2.9	85	0.00
68 M	o-Xylene	20.000	20.129	-0.6	87	0.00
69 M	Styrene	20.000	20.513	-2.6	86	0.00
70	Isopropylbenzene	20.000	20.239	-1.2	85	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.132	9.3	78	0.00
72	1,2,3-Trichloropropane	20.000	17.481	12.6	74	0.00
73	Bromobenzene	20.000	19.904	0.5	85	0.00
74	n-propylbenzene	20.000	20.262	-1.3	85	0.00
75	2-Chlorotoluene	20.000	20.401	-2.0	86	0.00
76	1,3,5-Trimethylbenzene	20.000	20.645	-3.2	85	0.00
77	t-1,4-Dichloro-2-butene	20.000	15.100	24.5	70	0.00
78	4-Chlorotoluene	20.000	20.615	-3.1	87	0.00
79	tert-butylbenzene	20.000	20.231	-1.2	86	0.00
80	1,2,4-Trimethylbenzene	20.000	20.730	-3.7	85	0.00
81	sec-Butylbenzene	20.000	20.220	-1.1	84	0.00
82	p-Isopropyltoluene	20.000	20.703	-3.5	87	0.00
83 M	1,3-Dichlorobenzene	20.000	19.894	0.5	85	0.00
84 M	1,4-Dichlorobenzene	20.000	19.996	0.0	85	0.00
85	n-Butylbenzene	20.000	19.347	3.3	84	0.00
86 T	Hexachloroethane	20.000	19.183	4.1	81	0.00
87 M	1,2-Dichlorobenzene	20.000	19.913	0.4	83	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	15.233	23.8	66	0.00
89	1,2,4-Trichlorobenzene	20.000	16.618	16.9	76	0.00
90	Hexachlorobutadiene	20.000	20.317	-1.6	82	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	17.175	14.1	70	0.00
92	1,2,3-Trichlorobenzene	20.000	16.971	15.1	75	0.00

(#) = Out of Range

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