

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052550.D
 Acq On : 29 Nov 2018 5:40
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 29 07:34:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 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	109	0.00
2 M	Dichlorodifluoromethane	20.000	18.012	9.9	95	0.00
3 M	Chloromethane	20.000	17.739	11.3	96	0.00
4 M	Vinyl Chloride	20.000	18.735	6.3	101	0.00
5 M	Bromomethane	20.000	18.411	7.9	101	0.00
6 M	Chloroethane	20.000	19.128	4.4	102	0.00
7 M	Trichlorofluoromethane	20.000	19.007	5.0	103	0.00
8 T	Diethyl Ether	20.000	19.181	4.1	107	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.267	8.7	96	0.00
10 M	1,1-Dichloroethene	20.000	19.135	4.3	105	0.00
11	Methyl Iodide	20.000	19.014	4.9	107	0.00
12	Methyl Acetate	20.000	18.370	8.1	99	0.00
13 M	Acrolein	100.000	83.067	16.9	98	0.00
14 M	Acrylonitrile	100.000	92.942	7.1	98	0.00
15 M	Acetone	100.000	79.412	20.6	79	0.00
16 M	Carbon Disulfide	20.000	17.522	12.4	96	0.00
17	Allyl chloride	20.000	16.544	17.3	89	0.00
18 M	Methylene Chloride	20.000	19.277	3.6	105	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.294	3.5	106	0.00
20 T	Diisopropyl ether	20.000	18.673	6.6	101	0.00
21 M	1,1-Dichloroethane	20.000	18.946	5.3	103	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.072	4.6	103	0.00
23 M	tert-Butyl Alcohol	100.000	106.692	-6.7	113	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.808	1.0	108	0.00
25 M	Chloroform	20.000	19.263	3.7	105	0.00
26	Cyclohexane	20.000	18.009	10.0	97	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.140	2.9	105	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	108	0.00
29	1,1-Dichloropropene	20.000	18.985	5.1	102	0.00
30 M	2-Butanone	100.000	87.520	12.5	92	0.00
31	2,2-Dichloropropane	20.000	14.577	27.1	80	0.00
32 M	1,1,1-Trichloroethane	20.000	19.542	2.3	107	0.00
33 M	Carbon Tetrachloride	20.000	19.079	4.6	104	0.00
34 M	Benzene	20.000	19.118	4.4	103	0.00
35	Methacrylonitrile	20.000	17.926	10.4	96	0.00
36 M	1,2-Dichloroethane	20.000	19.396	3.0	105	0.00
37 M	Trichloroethene	20.000	19.551	2.2	106	0.00
38	Methylcyclohexane	20.000	17.910	10.4	95	0.00
39 M	1,2-Dichloropropane	20.000	18.652	6.7	101	0.00
40	Dibromomethane	20.000	19.753	1.2	107	0.00
41 M	Bromodichloromethane	20.000	18.998	5.0	104	0.00
42 M	Vinyl Acetate	100.000	91.537	8.5	100	0.00
43	Ethyl Acetate	20.000	18.810	6.0	98	0.00
44	Isopropyl Acetate	20.000	19.836	0.8	109	0.00
45 T	1,4-Dioxane	400.000	420.961	-5.2	111	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	19.272	3.6	106	0.00
47	n-amyl Acetate	20.000	18.146	9.3	104	0.00
48 M	t-1,3-Dichloropropene	20.000	17.808	11.0	102	0.00
49 T	cis-1,3-Dichloropropene	20.000	17.803	11.0	98	0.00
50 M	1,1,2-Trichloroethane	20.000	19.920	0.4	105	0.00
51	Ethyl methacrylate	20.000	19.523	2.4	110	0.00
52	1,3-Dichloropropane	20.000	18.994	5.0	102	0.00
53 M	Dibromochloromethane	20.000	19.199	4.0	104	0.00
54 M	1,2-Dibromoethane	20.000	19.622	1.9	107	0.00
55 M	2-Chloroethyl vinyl ether	100.000	93.144	6.9	99	0.00
56 M	Bromoform	20.000	18.769	6.2	104	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	107	0.00
58 M	4-Methyl-2-Pentanone	100.000	99.351	0.6	103	0.00
59 M	2-Hexanone	100.000	92.907	7.1	95	0.00
60 S	4-Bromofluorobenzene	30.000	29.680	1.1	106	0.00
61 M	Tetrachloroethene	20.000	21.233	-6.2	110	0.00
62 M	Toluene	20.000	19.696	1.5	104	0.00
63 S	Toluene-d8	30.000	29.878	0.4	105	0.00
64 M	Chlorobenzene	20.000	19.688	1.6	105	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.685	1.6	106	0.00
66 M	Ethyl Benzene	20.000	19.502	2.5	104	0.00
67 M	m/p-Xylenes	40.000	39.490	1.3	104	0.00
68 M	o-Xylene	20.000	19.941	0.3	106	0.00
69 M	Styrene	20.000	19.570	2.1	104	0.00
70	Isopropylbenzene	20.000	19.893	0.5	105	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.831	0.8	103	0.00
72	1,2,3-Trichloropropane	20.000	20.788	-3.9	116	0.00
73	Bromobenzene	20.000	20.110	-0.5	108	0.00
74	n-propylbenzene	20.000	19.146	4.3	101	0.00
75	2-Chlorotoluene	20.000	19.638	1.8	103	0.00
76	1,3,5-Trimethylbenzene	20.000	19.690	1.5	103	0.00
77	t-1,4-Dichloro-2-butene	20.000	15.889	20.6	89	0.00
78	4-Chlorotoluene	20.000	19.386	3.1	103	0.00
79	tert-butylbenzene	20.000	20.141	-0.7	105	0.00
80	1,2,4-Trimethylbenzene	20.000	19.761	1.2	103	0.00
81	sec-Butylbenzene	20.000	19.158	4.2	101	0.00
82	p-Isopropyltoluene	20.000	19.266	3.7	102	0.00
83 M	1,3-Dichlorobenzene	20.000	19.536	2.3	104	0.00
84 M	1,4-Dichlorobenzene	20.000	19.538	2.3	104	0.00
85	n-Butylbenzene	20.000	17.945	10.3	95	0.00
86 T	Hexachloroethane	20.000	17.977	10.1	97	0.00
87 M	1,2-Dichlorobenzene	20.000	19.994	0.0	105	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.859	5.7	102	0.00
89	1,2,4-Trichlorobenzene	20.000	18.888	5.6	104	0.00
90	Hexachlorobutadiene	20.000	18.810	6.0	94	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	19.186	4.1	106	0.00
92	1,2,3-Trichlorobenzene	20.000	19.301	3.5	105	0.00

(#) = Out of Range

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