

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN121018\
 Data File : VN052764.D
 Acq On : 10 Dec 2018 20:04
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 11 01:18:38 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	94	0.00
2 M	Dichlorodifluoromethane	20.000	17.459	12.7	79	0.00
3 M	Chloromethane	20.000	17.456	12.7	81	0.00
4 M	Vinyl Chloride	20.000	18.156	9.2	85	0.00
5 M	Bromomethane	20.000	16.950	15.3	80	0.00
6 M	Chloroethane	20.000	18.617	6.9	86	0.00
7 M	Trichlorofluoromethane	20.000	19.038	4.8	89	0.00
8 T	Diethyl Ether	20.000	20.033	-0.2	96	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.386	8.1	83	0.00
10 M	1,1-Dichloroethene	20.000	19.060	4.7	90	0.00
11	Methyl Iodide	20.000	17.172	14.1	83	0.00
12	Methyl Acetate	20.000	21.071	-5.4	98	0.00
13 M	Acrolein	100.000	56.692	43.3#	57	0.00
14 M	Acrylonitrile	100.000	102.824	-2.8	94	0.00
15 M	Acetone	100.000	90.081	9.9	77	0.00
16 M	Carbon Disulfide	20.000	16.772	16.1	79	0.00
17	Allyl chloride	20.000	17.226	13.9	80	0.00
18 M	Methylene Chloride	20.000	19.522	2.4	92	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.206	4.0	91	0.00
20 T	Diisopropyl ether	20.000	19.152	4.2	89	0.00
21 M	1,1-Dichloroethane	20.000	19.260	3.7	91	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.655	1.7	92	0.00
23 M	tert-Butyl Alcohol	100.000	120.206	-20.2	110	0.00
24 M	Methyl tert-Butyl Ether	20.000	21.146	-5.7	99	0.00
25 M	Chloroform	20.000	19.477	2.6	91	0.00
26	Cyclohexane	20.000	17.846	10.8	83	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.378	2.1	91	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	93	0.00
29	1,1-Dichloropropene	20.000	18.950	5.3	88	0.00
30 M	2-Butanone	100.000	98.994	1.0	90	0.00
31	2,2-Dichloropropane	20.000	18.956	5.2	90	0.00
32 M	1,1,1-Trichloroethane	20.000	20.009	-0.0	94	0.00
33 M	Carbon Tetrachloride	20.000	19.509	2.5	92	0.00
34 M	Benzene	20.000	19.435	2.8	90	0.00
35	Methacrylonitrile	20.000	20.408	-2.0	94	0.00
36 M	1,2-Dichloroethane	20.000	19.630	1.9	92	0.00
37 M	Trichloroethene	20.000	20.568	-2.8	97	0.00
38	Methylcyclohexane	20.000	17.755	11.2	82	0.00
39 M	1,2-Dichloropropane	20.000	19.293	3.5	90	0.00
40	Dibromomethane	20.000	20.483	-2.4	95	0.00
41 M	Bromodichloromethane	20.000	19.448	2.8	92	0.00
42 M	Vinyl Acetate	100.000	93.010	7.0	88	0.00
43	Ethyl Acetate	20.000	20.973	-4.9	95	0.00
44	Isopropyl Acetate	20.000	24.273	-21.4	115	0.00
45 T	1,4-Dioxane	400.000	413.829	-3.5	94	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	20.892	-4.5	99	0.00
47	n-amyl Acetate	20.000	22.230	-11.2	110	0.00
48 M	t-1,3-Dichloropropene	20.000	19.530	2.3	96	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.192	4.0	92	0.00
50 M	1,1,2-Trichloroethane	20.000	20.759	-3.8	95	0.00
51	Ethyl methacrylate	20.000	21.692	-8.5	105	0.00
52	1,3-Dichloropropane	20.000	20.197	-1.0	94	0.00
53 M	Dibromochloromethane	20.000	20.307	-1.5	95	0.00
54 M	1,2-Dibromoethane	20.000	20.808	-4.0	98	0.00
55 M	2-Chloroethyl vinyl ether	100.000	105.233	-5.2	97	0.00
56 M	Bromoform	20.000	20.766	-3.8	99	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	93	0.00
58 M	4-Methyl-2-Pentanone	100.000	109.396	-9.4	99	0.00
59 M	2-Hexanone	100.000	106.465	-6.5	96	0.00
60 S	4-Bromofluorobenzene	30.000	29.735	0.9	93	0.00
61 M	Tetrachloroethene	20.000	23.279	-16.4	106	0.00
62 M	Toluene	20.000	19.617	1.9	90	0.00
63 S	Toluene-d8	30.000	28.992	3.4	89	0.00
64 M	Chlorobenzene	20.000	20.015	-0.1	93	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.231	-1.2	96	0.00
66 M	Ethyl Benzene	20.000	19.435	2.8	90	0.00
67 M	m/p-Xylenes	40.000	39.681	0.8	91	0.00
68 M	o-Xylene	20.000	20.141	-0.7	94	0.00
69 M	Styrene	20.000	19.864	0.7	92	0.00
70	Isopropylbenzene	20.000	20.012	-0.1	93	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.832	-4.2	95	0.00
72	1,2,3-Trichloropropane	20.000	21.283	-6.4	104	0.00
73	Bromobenzene	20.000	20.821	-4.1	98	0.00
74	n-propylbenzene	20.000	19.385	3.1	89	0.00
75	2-Chlorotoluene	20.000	20.020	-0.1	92	0.00
76	1,3,5-Trimethylbenzene	20.000	19.861	0.7	91	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.422	2.9	96	0.00
78	4-Chlorotoluene	20.000	19.990	0.1	93	0.00
79	tert-butylbenzene	20.000	20.370	-1.9	93	0.00
80	1,2,4-Trimethylbenzene	20.000	20.547	-2.7	94	0.00
81	sec-Butylbenzene	20.000	19.559	2.2	90	0.00
82	p-Isopropyltoluene	20.000	19.864	0.7	92	0.00
83 M	1,3-Dichlorobenzene	20.000	20.487	-2.4	96	0.00
84 M	1,4-Dichlorobenzene	20.000	20.880	-4.4	98	0.00
85	n-Butylbenzene	20.000	18.680	6.6	87	0.00
86 T	Hexachloroethane	20.000	19.023	4.9	90	0.00
87 M	1,2-Dichlorobenzene	20.000	21.235	-6.2	98	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	22.799	-14.0	108	0.00
89	1,2,4-Trichlorobenzene	20.000	22.714	-13.6	110	0.00
90	Hexachlorobutadiene	20.000	19.638	1.8	86	0.00

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	Compound	Amount	Calc.	%Dev	Area	% Dev(min)
91 M	Naphthalene	20.000	25.034	-25.2	121	0.00
92	1,2,3-Trichlorobenzene	20.000	22.944	-14.7	109	0.00

(#) = Out of Range

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