

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081718\
 Data File : VN050715.D
 Acq On : 17 Aug 2018 8:00
 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 17 14:25:22 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	87	0.00
2 M	Dichlorodifluoromethane	20.000	16.169	19.2	63	0.00
3 M	Chloromethane	20.000	19.882	0.6	83	0.00
4 M	Vinyl Chloride	20.000	19.579	2.1	81	0.00
5 M	Bromomethane	20.000	18.877	5.6	79	0.00
6 M	Chloroethane	20.000	20.269	-1.3	85	0.00
7 M	Trichlorofluoromethane	20.000	20.216	-1.1	82	0.00
8 T	Diethyl Ether	20.000	19.298	3.5	86	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.161	-5.8	86	0.00
10 M	1,1-Dichloroethene	20.000	20.499	-2.5	86	0.00
11	Methyl Iodide	20.000	9.474	52.6#	41	0.00
12	Methyl Acetate	20.000	15.758	21.2	66	0.00
13 M	Acrolein	100.000	80.206	19.8	79	0.00
14 M	Acrylonitrile	100.000	87.815	12.2	77	0.00
15 M	Acetone	100.000	109.526	-9.5	91	0.00
16 M	Carbon Disulfide	20.000	20.523	-2.6	87	0.00
17	Allyl chloride	20.000	20.189	-0.9	88	0.00
18 M	Methylene Chloride	20.000	20.865	-4.3	88	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.555	-2.8	86	0.00
20 T	Diisopropyl ether	20.000	21.409	-7.0	90	0.00
21 M	1,1-Dichloroethane	20.000	20.781	-3.9	88	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.614	-3.1	89	0.00
23 M	tert-Butyl Alcohol	100.000	71.715	28.3	64	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.753	6.2	81	0.00
25 M	Chloroform	20.000	20.746	-3.7	87	0.00
26	Cyclohexane	20.000	21.419	-7.1	91	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.876	3.7	83	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	89	0.00
29	1,1-Dichloropropene	20.000	20.927	-4.6	89	0.00
30 M	2-Butanone	100.000	101.798	-1.8	92	0.00
31	2,2-Dichloropropane	20.000	20.200	-1.0	87	0.00
32 M	1,1,1-Trichloroethane	20.000	19.807	1.0	86	0.00
33 M	Carbon Tetrachloride	20.000	20.402	-2.0	89	0.00
34 M	Benzene	20.000	20.558	-2.8	89	0.00
35	Methacrylonitrile	20.000	14.794	26.0	70	0.00
36 M	1,2-Dichloroethane	20.000	19.030	4.8	82	0.00
37 M	Trichloroethene	20.000	20.328	-1.6	89	0.00
38	Methylcyclohexane	20.000	20.306	-1.5	91	0.00
39 M	1,2-Dichloropropane	20.000	21.150	-5.7	92	0.00
40	Dibromomethane	20.000	19.690	1.5	87	0.00
41 M	Bromodichloromethane	20.000	19.832	0.8	87	0.00
42 M	Vinyl Acetate	100.000	94.047	6.0	85	0.00
43	Ethyl Acetate	20.000	18.844	5.8	82	0.00
44	Isopropyl Acetate	20.000	16.887	15.6	75	0.00
45 T	1,4-Dioxane	400.000	336.562	15.9	75	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	15.982	20.1	72	0.00
47	n-amyl Acetate	20.000	16.395	18.0	79	0.00
48 M	t-1,3-Dichloropropene	20.000	19.662	1.7	87	0.00
49 T	cis-1,3-Dichloropropene	20.000	20.361	-1.8	91	0.00
50 M	1,1,2-Trichloroethane	20.000	19.455	2.7	86	0.00
51	Ethyl methacrylate	20.000	17.541	12.3	84	0.00
52	1,3-Dichloropropane	20.000	19.652	1.7	86	0.00
53 M	Dibromochloromethane	20.000	19.135	4.3	85	0.00
54 M	1,2-Dibromoethane	20.000	18.727	6.4	84	0.00
55 M	2-Chloroethyl vinyl ether	100.000	92.148	7.9	84	0.00
56 M	Bromoform	20.000	17.820	10.9	82	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	89	0.00
58 M	4-Methyl-2-Pentanone	100.000	108.331	-8.3	94	0.00
59 M	2-Hexanone	100.000	103.540	-3.5	92	0.00
60 S	4-Bromofluorobenzene	30.000	29.429	1.9	88	0.00
61 M	Tetrachloroethene	20.000	19.802	1.0	82	0.00
62 M	Toluene	20.000	20.972	-4.9	89	0.00
63 S	Toluene-d8	30.000	30.809	-2.7	89	0.00
64 M	Chlorobenzene	20.000	20.819	-4.1	90	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.946	-4.7	90	0.00
66 M	Ethyl Benzene	20.000	20.204	-1.0	89	0.00
67 M	m/p-Xylenes	40.000	42.455	-6.1	90	0.00
68 M	o-Xylene	20.000	20.736	-3.7	91	0.00
69 M	Styrene	20.000	20.818	-4.1	90	0.00
70	Isopropylbenzene	20.000	20.611	-3.1	89	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.601	7.0	82	0.00
72	1,2,3-Trichloropropane	20.000	18.922	5.4	82	0.00
73	Bromobenzene	20.000	19.975	0.1	88	0.00
74	n-propylbenzene	20.000	20.415	-2.1	88	0.00
75	2-Chlorotoluene	20.000	20.450	-2.2	88	0.00
76	1,3,5-Trimethylbenzene	20.000	20.968	-4.8	89	0.00
77	t-1,4-Dichloro-2-butene	20.000	15.473	22.6	74	0.00
78	4-Chlorotoluene	20.000	20.658	-3.3	89	0.00
79	tert-butylbenzene	20.000	20.305	-1.5	88	0.00
80	1,2,4-Trimethylbenzene	20.000	20.772	-3.9	88	0.00
81	sec-Butylbenzene	20.000	20.307	-1.5	87	0.00
82	p-Isopropyltoluene	20.000	20.516	-2.6	88	0.00
83 M	1,3-Dichlorobenzene	20.000	19.719	1.4	86	0.00
84 M	1,4-Dichlorobenzene	20.000	19.772	1.1	86	0.00
85	n-Butylbenzene	20.000	19.239	3.8	86	0.00
86 T	Hexachloroethane	20.000	19.132	4.3	83	0.00
87 M	1,2-Dichlorobenzene	20.000	19.838	0.8	85	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	16.122	19.4	72	0.00
89	1,2,4-Trichlorobenzene	20.000	17.387	13.1	82	0.00
90	Hexachlorobutadiene	20.000	20.886	-4.4	86	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	17.422	12.9	73	0.00
92	1,2,3-Trichlorobenzene	20.000	17.159	14.2	78	0.00

(#) = Out of Range

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