

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN121218\
 Data File : VN052817.D
 Acq On : 12 Dec 2018 10:35
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 13 03:52:36 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	88	0.00
2 M	Dichlorodifluoromethane	20.000	17.124	14.4	73	0.00
3 M	Chloromethane	20.000	16.323	18.4	71	0.00
4 M	Vinyl Chloride	20.000	16.881	15.6	74	0.00
5 M	Bromomethane	20.000	19.160	4.2	85	0.00
6 M	Chloroethane	20.000	17.555	12.2	76	0.00
7 M	Trichlorofluoromethane	20.000	18.271	8.6	80	0.00
8 T	Diethyl Ether	20.000	18.340	8.3	82	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.701	6.5	79	0.00
10 M	1,1-Dichloroethene	20.000	18.326	8.4	81	0.00
11	Methyl Iodide	20.000	16.762	16.2	76	0.00
12	Methyl Acetate	20.000	19.365	3.2	84	0.00
13 M	Acrolein	100.000	66.098	33.9#	62	0.00
14 M	Acrylonitrile	100.000	94.384	5.6	80	0.00
15 M	Acetone	100.000	98.782	1.2	79	0.00
16 M	Carbon Disulfide	20.000	16.501	17.5	73	0.00
17	Allyl chloride	20.000	16.028	19.9	70	0.00
18 M	Methylene Chloride	20.000	18.450	7.8	81	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.356	8.2	81	0.00
20 T	Diisopropyl ether	20.000	18.007	10.0	78	0.00
21 M	1,1-Dichloroethane	20.000	18.246	8.8	80	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.512	7.4	81	0.00
23 M	tert-Butyl Alcohol	100.000	111.035	-11.0	95	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.437	2.8	85	0.00
25 M	Chloroform	20.000	18.500	7.5	81	0.00
26	Cyclohexane	20.000	17.408	13.0	76	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.417	1.9	86	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	89	0.00
29	1,1-Dichloropropene	20.000	17.877	10.6	79	0.00
30 M	2-Butanone	100.000	94.642	5.4	82	0.00
31	2,2-Dichloropropane	20.000	19.001	5.0	86	0.00
32 M	1,1,1-Trichloroethane	20.000	18.245	8.8	82	0.00
33 M	Carbon Tetrachloride	20.000	18.296	8.5	82	0.00
34 M	Benzene	20.000	17.754	11.2	79	0.00
35	Methacrylonitrile	20.000	16.894	15.5	74	0.00
36 M	1,2-Dichloroethane	20.000	17.967	10.2	80	0.00
37 M	Trichloroethene	20.000	18.938	5.3	85	0.00
38	Methylcyclohexane	20.000	17.825	10.9	78	0.00
39 M	1,2-Dichloropropane	20.000	17.818	10.9	80	0.00
40	Dibromomethane	20.000	18.521	7.4	82	0.00
41 M	Bromodichloromethane	20.000	17.955	10.2	81	0.00
42 M	Vinyl Acetate	100.000	86.383	13.6	78	0.00
43	Ethyl Acetate	20.000	18.536	7.3	80	0.00
44	Isopropyl Acetate	20.000	19.804	1.0	90	0.00
45 T	1,4-Dioxane	400.000	413.099	-3.3	90	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	18.937	5.3	86	0.00
47	n-amyl Acetate	20.000	20.011	-0.1	94	0.00
48 M	t-1,3-Dichloropropene	20.000	18.427	7.9	87	0.00
49 T	cis-1,3-Dichloropropene	20.000	17.989	10.1	82	0.00
50 M	1,1,2-Trichloroethane	20.000	18.862	5.7	82	0.00
51	Ethyl methacrylate	20.000	19.341	3.3	90	0.00
52	1,3-Dichloropropane	20.000	18.408	8.0	81	0.00
53 M	Dibromochloromethane	20.000	19.031	4.8	85	0.00
54 M	1,2-Dibromoethane	20.000	19.207	4.0	86	0.00
55 M	2-Chloroethyl vinyl ether	100.000	104.200	-4.2	92	0.00
56 M	Bromoform	20.000	18.998	5.0	87	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	100.000	96.519	3.5	84	0.00
59 M	2-Hexanone	100.000	99.406	0.6	86	0.00
60 S	4-Bromofluorobenzene	30.000	30.353	-1.2	91	0.00
61 M	Tetrachloroethene	20.000	21.514	-7.6	94	0.00
62 M	Toluene	20.000	18.094	9.5	80	0.00
63 S	Toluene-d8	30.000	29.179	2.7	86	0.00
64 M	Chlorobenzene	20.000	18.664	6.7	84	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.102	4.5	87	0.00
66 M	Ethyl Benzene	20.000	18.229	8.9	82	0.00
67 M	m/p-Xylenes	40.000	37.266	6.8	83	0.00
68 M	o-Xylene	20.000	18.806	6.0	84	0.00
69 M	Styrene	20.000	18.666	6.7	83	0.00
70	Isopropylbenzene	20.000	18.702	6.5	83	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.863	5.7	83	0.00
72	1,2,3-Trichloropropane	20.000	20.227	-1.1	95	0.00
73	Bromobenzene	20.000	19.595	2.0	89	0.00
74	n-propylbenzene	20.000	18.529	7.4	82	0.00
75	2-Chlorotoluene	20.000	18.858	5.7	83	0.00
76	1,3,5-Trimethylbenzene	20.000	18.901	5.5	83	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.446	7.8	88	0.00
78	4-Chlorotoluene	20.000	18.790	6.1	84	0.00
79	tert-butylbenzene	20.000	19.298	3.5	85	0.00
80	1,2,4-Trimethylbenzene	20.000	18.992	5.0	83	0.00
81	sec-Butylbenzene	20.000	18.998	5.0	84	0.00
82	p-Isopropyltoluene	20.000	19.173	4.1	85	0.00
83 M	1,3-Dichlorobenzene	20.000	19.787	1.1	89	0.00
84 M	1,4-Dichlorobenzene	20.000	20.038	-0.2	90	0.00
85	n-Butylbenzene	20.000	18.388	8.1	82	0.00
86 T	Hexachloroethane	20.000	18.091	9.5	82	0.00
87 M	1,2-Dichlorobenzene	20.000	19.914	0.4	88	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.086	-0.4	92	0.00
89	1,2,4-Trichlorobenzene	20.000	22.819	-14.1	106	0.00
90	Hexachlorobutadiene	20.000	21.612	-8.1	91	0.00

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	Compound	Amount	Calc.	%Dev	Area	% Dev(min)
91 M	Naphthalene	20.000	23.264	-16.3	108	0.00
92	1,2,3-Trichlorobenzene	20.000	23.060	-15.3	106	0.00

(#) = Out of Range

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