

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN091918\
 Data File : VN051309.D
 Acq On : 19 Sep 2018 10:29
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 19 15:39:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 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	86	0.00
2 M	Dichlorodifluoromethane	20.000	17.956	10.2	72	0.00
3 M	Chloromethane	20.000	19.751	1.2	81	0.00
4 M	Vinyl Chloride	20.000	20.018	-0.1	84	0.00
5 M	Bromomethane	20.000	18.820	5.9	85	0.00
6 M	Chloroethane	20.000	20.305	-1.5	87	0.00
7 M	Trichlorofluoromethane	20.000	21.112	-5.6	90	0.00
8 T	Diethyl Ether	20.000	18.578	7.1	83	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.445	-7.2	91	0.00
10 M	1,1-Dichloroethene	20.000	20.241	-1.2	88	0.00
11	Methyl Iodide	20.000	21.654	-8.3	111	0.00
12	Methyl Acetate	20.000	13.659	31.7#	59	0.00
13 M	Acrolein	100.000	219.715	-119.7#	231	0.00
14 M	Acrylonitrile	100.000	81.730	18.3	73	0.00
15 M	Acetone	100.000	97.329	2.7	90	0.00
16 M	Carbon Disulfide	20.000	20.591	-3.0	90	0.00
17	Allyl chloride	20.000	18.825	5.9	85	0.00
18 M	Methylene Chloride	20.000	20.605	-3.0	88	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.849	-4.2	91	0.00
20 T	Diisopropyl ether	20.000	19.618	1.9	83	0.00
21 M	1,1-Dichloroethane	20.000	20.322	-1.6	87	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.589	-2.9	89	0.00
23 M	tert-Butyl Alcohol	100.000	70.269	29.7	64	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.502	7.5	82	0.00
25 M	Chloroform	20.000	20.910	-4.6	89	0.00
26	Cyclohexane	20.000	20.073	-0.4	90	0.00
27 s	1,2-Dichloroethane-d4	30.000	27.956	6.8	80	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	88	0.00
29	1,1-Dichloropropene	20.000	21.037	-5.2	92	0.00
30 M	2-Butanone	100.000	77.317	22.7	72	0.00
31	2,2-Dichloropropane	20.000	23.034	-15.2	104	0.00
32 M	1,1,1-Trichloroethane	20.000	21.209	-6.0	91	0.00
33 M	Carbon Tetrachloride	20.000	21.559	-7.8	93	0.00
34 M	Benzene	20.000	20.415	-2.1	88	0.00
35	Methacrylonitrile	20.000	15.695	21.5	64	0.00
36 M	1,2-Dichloroethane	20.000	19.917	0.4	85	0.00
37 M	Trichloroethene	20.000	21.592	-8.0	95	0.00
38	Methylcyclohexane	20.000	21.274	-6.4	98	0.00
39 M	1,2-Dichloropropane	20.000	20.437	-2.2	87	0.00
40	Dibromomethane	20.000	20.049	-0.2	87	0.00
41 M	Bromodichloromethane	20.000	20.580	-2.9	89	0.00
42 M	Vinyl Acetate	100.000	91.493	8.5	81	0.00
43	Ethyl Acetate	20.000	15.217	23.9	65	0.00
44	Isopropyl Acetate	20.000	17.714	11.4	78	0.00
45 T	1,4-Dioxane	400.000	316.613	20.8	68	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	15.353	23.2	70	0.00
47	n-amyl Acetate	20.000	14.335	28.3	68	0.00
48 M	t-1,3-Dichloropropene	20.000	19.460	2.7	89	0.00
49 T	cis-1,3-Dichloropropene	20.000	20.314	-1.6	91	0.00
50 M	1,1,2-Trichloroethane	20.000	19.804	1.0	84	0.00
51	Ethyl methacrylate	20.000	17.391	13.0	82	0.00
52	1,3-Dichloropropane	20.000	19.142	4.3	83	0.00
53 M	Dibromochloromethane	20.000	20.398	-2.0	91	0.00
54 M	1,2-Dibromoethane	20.000	18.886	5.6	83	0.00
55 M	2-Chloroethyl vinyl ether	100.000	77.956	22.0	72	0.00
56 M	Bromoform	20.000	19.162	4.2	86	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	85	0.00
58 M	4-Methyl-2-Pentanone	100.000	76.151	23.8	67	0.00
59 M	2-Hexanone	100.000	73.672	26.3	67	0.00
60 S	4-Bromofluorobenzene	30.000	29.110	3.0	83	0.00
61 M	Tetrachloroethene	20.000	22.795	-14.0	96	0.00
62 M	Toluene	20.000	21.604	-8.0	91	0.00
63 S	Toluene-d8	30.000	30.634	-2.1	86	0.00
64 M	Chlorobenzene	20.000	21.643	-8.2	93	0.00
65	1,1,1,2-Tetrachloroethane	20.000	22.362	-11.8	95	0.00
66 M	Ethyl Benzene	20.000	21.006	-5.0	92	0.00
67 M	m/p-Xylenes	40.000	44.097	-10.2	93	0.00
68 M	o-Xylene	20.000	21.741	-8.7	93	0.00
69 M	Styrene	20.000	21.345	-6.7	92	0.00
70	Isopropylbenzene	20.000	21.666	-8.3	92	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	17.996	10.0	75	0.00
72	1,2,3-Trichloropropane	20.000	15.363	23.2	65	0.00
73	Bromobenzene	20.000	21.002	-5.0	90	0.00
74	n-propylbenzene	20.000	21.011	-5.1	90	0.00
75	2-Chlorotoluene	20.000	21.349	-6.7	91	0.00
76	1,3,5-Trimethylbenzene	20.000	22.130	-10.6	93	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.330	18.4	77	0.00
78	4-Chlorotoluene	20.000	20.657	-3.3	88	0.00
79	tert-butylbenzene	20.000	21.753	-8.8	92	0.00
80	1,2,4-Trimethylbenzene	20.000	21.824	-9.1	91	0.00
81	sec-Butylbenzene	20.000	21.591	-8.0	93	0.00
82	p-Isopropyltoluene	20.000	21.651	-8.3	93	0.00
83 M	1,3-Dichlorobenzene	20.000	20.413	-2.1	88	0.00
84 M	1,4-Dichlorobenzene	20.000	20.305	-1.5	88	0.00
85	n-Butylbenzene	20.000	19.491	2.5	89	0.00
86 T	Hexachloroethane	20.000	21.977	-9.9	96	0.00
87 M	1,2-Dichlorobenzene	20.000	20.305	-1.5	86	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	16.376	18.1	68	0.00
89	1,2,4-Trichlorobenzene	20.000	15.124	24.4	76	0.00
90	Hexachlorobutadiene	20.000	24.752	-23.8	107	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	16.339	18.3	62	0.00
92	1,2,3-Trichlorobenzene	20.000	16.222	18.9	77	0.00

(#) = Out of Range

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