

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
 Data File : VN053351.D
 Acq On : 10 Jan 2019 19:56
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 11 06:44:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 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	89	0.00
2 M	Dichlorodifluoromethane	20.000	18.571	7.1	81	0.00
3 M	Chloromethane	20.000	18.287	8.6	82	0.00
4 M	Vinyl Chloride	20.000	18.129	9.4	80	0.00
5 M	Bromomethane	20.000	16.491	17.5	75	-0.05
6 M	Chloroethane	20.000	18.290	8.6	81	-0.03
7 M	Trichlorofluoromethane	20.000	19.032	4.8	85	-0.01
8 T	Diethyl Ether	20.000	19.817	0.9	90	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.671	6.6	84	0.00
10 M	1,1-Dichloroethene	20.000	18.736	6.3	85	0.00
11	Methyl Iodide	20.000	18.035	9.8	82	0.00
12	Methyl Acetate	20.000	22.329	-11.6	106	0.00
13 M	Acrolein	100.000	102.707	-2.7	95	0.00
14 M	Acrylonitrile	100.000	103.813	-3.8	93	0.00
15 M	Acetone	100.000	102.809	-2.8	90	0.00
16 M	Carbon Disulfide	20.000	16.644	16.8	76	0.00
17	Allyl chloride	20.000	18.951	5.2	82	0.00
18 M	Methylene Chloride	20.000	18.709	6.5	84	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.781	6.1	85	0.00
20 T	Diisopropyl ether	20.000	19.485	2.6	86	0.00
21 M	1,1-Dichloroethane	20.000	19.048	4.8	86	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.316	3.4	88	0.00
23 M	tert-Butyl Alcohol	100.000	72.533	27.5	68	0.02
24 M	Methyl tert-Butyl Ether	20.000	20.258	-1.3	91	0.00
25 M	Chloroform	20.000	19.158	4.2	86	0.00
26	Cyclohexane	20.000	18.781	6.1	85	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.316	-1.1	89	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	86	0.00
29	1,1-Dichloropropene	20.000	18.689	6.6	84	0.00
30 M	2-Butanone	100.000	105.214	-5.2	91	0.00
31	2,2-Dichloropropane	20.000	16.918	15.4	75	0.00
32 M	1,1,1-Trichloroethane	20.000	19.274	3.6	85	0.00
33 M	Carbon Tetrachloride	20.000	18.581	7.1	83	0.00
34 M	Benzene	20.000	19.230	3.8	84	0.00
35	Methacrylonitrile	20.000	16.432	17.8	71	0.00
36 M	1,2-Dichloroethane	20.000	20.010	-0.1	87	0.00
37 M	Trichloroethene	20.000	19.213	3.9	85	0.00
38	Methylcyclohexane	20.000	19.302	3.5	87	0.00
39 M	1,2-Dichloropropane	20.000	19.393	3.0	86	0.00
40	Dibromomethane	20.000	19.854	0.7	88	0.00
41 M	Bromodichloromethane	20.000	18.850	5.7	84	0.00
42 M	Vinyl Acetate	100.000	102.600	-2.6	89	0.00
43	Ethyl Acetate	20.000	21.283	-6.4	91	0.00
44	Isopropyl Acetate	20.000	21.942	-9.7	99	0.00
45 T	1,4-Dioxane	400.000	208.294	47.9#	46	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	20.782	-3.9	93	0.00
47	n-amyl Acetate	20.000	20.298	-1.5	94	0.00
48 M	t-1,3-Dichloropropene	20.000	18.701	6.5	85	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.531	7.3	83	0.00
50 M	1,1,2-Trichloroethane	20.000	20.292	-1.5	89	0.00
51	Ethyl methacrylate	20.000	20.409	-2.0	93	0.00
52	1,3-Dichloropropane	20.000	20.076	-0.4	89	0.00
53 M	Dibromochloromethane	20.000	18.689	6.6	85	0.00
54 M	1,2-Dibromoethane	20.000	19.842	0.8	88	0.00
55 M	2-Chloroethyl vinyl ether	100.000	100.394	-0.4	88	0.00
56 M	Bromoform	20.000	18.472	7.6	84	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	100.000	109.744	-9.7	94	0.00
59 M	2-Hexanone	100.000	104.501	-4.5	90	0.00
60 S	4-Bromofluorobenzene	30.000	29.523	1.6	87	0.00
61 M	Tetrachloroethene	20.000	19.745	1.3	86	0.00
62 M	Toluene	20.000	19.335	3.3	85	0.00
63 S	Toluene-d8	30.000	29.690	1.0	85	0.00
64 M	Chlorobenzene	20.000	19.312	3.4	86	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.346	3.3	86	0.00
66 M	Ethyl Benzene	20.000	19.032	4.8	85	0.00
67 M	m/p-Xylenes	40.000	38.580	3.6	85	0.00
68 M	o-Xylene	20.000	19.503	2.5	86	0.00
69 M	Styrene	20.000	19.408	3.0	86	0.00
70	Isopropylbenzene	20.000	19.598	2.0	87	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.732	-3.7	92	0.00
72	1,2,3-Trichloropropane	20.000	20.683	-3.4	88	0.00
73	Bromobenzene	20.000	19.442	2.8	86	0.00
74	n-propylbenzene	20.000	19.757	1.2	88	0.00
75	2-Chlorotoluene	20.000	19.416	2.9	85	0.00
76	1,3,5-Trimethylbenzene	20.000	19.989	0.1	88	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.221	8.9	85	0.00
78	4-Chlorotoluene	20.000	19.224	3.9	85	0.00
79	tert-butylbenzene	20.000	20.199	-1.0	90	0.00
80	1,2,4-Trimethylbenzene	20.000	19.968	0.2	88	0.00
81	sec-Butylbenzene	20.000	20.803	-4.0	93	0.00
82	p-Isopropyltoluene	20.000	20.485	-2.4	91	0.00
83 M	1,3-Dichlorobenzene	20.000	19.262	3.7	86	0.00
84 M	1,4-Dichlorobenzene	20.000	18.846	5.8	84	0.00
85	n-Butylbenzene	20.000	19.893	0.5	90	0.00
86 T	Hexachloroethane	20.000	17.793	11.0	82	0.00
87 M	1,2-Dichlorobenzene	20.000	18.771	6.1	81	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.966	10.2	78	0.00
89	1,2,4-Trichlorobenzene	20.000	15.075	24.6	70	0.00
90	Hexachlorobutadiene	20.000	18.190	9.0	76	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	14.071	29.6	67	0.00
92	1,2,3-Trichlorobenzene	20.000	13.117	34.4#	61	0.00

(#) = Out of Range

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