

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN102519\
 Data File : VN058947.D
 Acq On : 24 Oct 2019 9:49
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 25 01:40:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 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	96	0.00
2 M	Dichlorodifluoromethane	20.000	19.868	0.7	91	0.00
3 M	Chloromethane	20.000	19.524	2.4	91	0.00
4 M	Vinyl Chloride	20.000	19.750	1.3	91	0.00
5 M	Bromomethane	20.000	18.962	5.2	85	0.00
6 M	Chloroethane	20.000	20.402	-2.0	95	0.00
7 M	Trichlorofluoromethane	20.000	20.645	-3.2	96	0.00
8 T	Diethyl Ether	20.000	18.428	7.9	85	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.759	1.2	93	0.00
10 M	1,1-Dichloroethene	20.000	18.394	8.0	85	0.00
11	Methyl Iodide	20.000	14.093	29.5	68	0.00
12	Methyl Acetate	20.000	19.780	1.1	95	0.00
13 M	Acrolein	100.000	77.128	22.9	77	0.00
14 M	Acrylonitrile	100.000	98.500	1.5	96	0.00
15 M	Acetone	100.000	137.744	-37.7#	135	0.00
16 M	Carbon Disulfide	20.000	19.107	4.5	89	0.00
17	Allyl chloride	20.000	18.998	5.0	89	0.00
18 M	Methylene Chloride	20.000	18.759	6.2	88	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.610	7.0	86	0.00
20 T	Diisopropyl ether	20.000	19.388	3.1	91	0.00
21 M	1,1-Dichloroethane	20.000	19.293	3.5	90	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.633	6.8	87	0.00
23 M	tert-Butyl Alcohol	100.000	95.316	4.7	93	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.272	8.6	86	0.00
25 M	Chloroform	20.000	19.007	5.0	89	0.00
26	Cyclohexane	20.000	17.734	11.3	85	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.901	-3.0	98	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	91	0.00
29	1,1-Dichloropropene	20.000	19.286	3.6	86	0.00
30 M	2-Butanone	100.000	114.501	-14.5	106	0.00
31	2,2-Dichloropropane	20.000	20.009	-0.0	93	0.00
32 M	1,1,1-Trichloroethane	20.000	19.951	0.2	88	0.00
33 M	Carbon Tetrachloride	20.000	19.932	0.3	88	0.00
34 M	Benzene	20.000	19.919	0.4	89	0.00
35	Methacrylonitrile	20.000	20.338	-1.7	91	0.00
36 M	1,2-Dichloroethane	20.000	20.028	-0.1	88	0.00
37 M	Trichloroethene	20.000	19.056	4.7	85	0.00
38	Methylcyclohexane	20.000	17.845	10.8	81	0.00
39 M	1,2-Dichloropropane	20.000	20.009	-0.0	88	0.00
40	Dibromomethane	20.000	20.131	-0.7	89	0.00
41 M	Bromodichloromethane	20.000	20.268	-1.3	90	0.00
42 M	Vinyl Acetate	100.000	103.754	-3.8	89	0.00
43	Ethyl Acetate	20.000	20.437	-2.2	91	0.00
44	Isopropyl Acetate	20.000	19.595	2.0	89	0.00
45 T	1,4-Dioxane	400.000	412.846	-3.2	95	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	19.123	4.4	88	0.00
47	n-amyl Acetate	20.000	18.265	8.7	85	0.00
48 M	t-1,3-Dichloropropene	20.000	19.049	4.8	86	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.286	3.6	86	0.00
50 M	1,1,2-Trichloroethane	20.000	19.986	0.1	89	0.00
51	Ethyl methacrylate	20.000	18.448	7.8	85	0.00
52	1,3-Dichloropropane	20.000	19.431	2.8	86	0.00
53 M	Dibromochloromethane	20.000	19.682	1.6	89	0.00
54 M	1,2-Dibromoethane	20.000	19.591	2.0	88	0.00
55 M	2-Chloroethyl vinyl ether	100.000	93.969	6.0	80	0.00
56 M	Bromoform	20.000	20.221	-1.1	94	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	95	0.00
58 M	4-Methyl-2-Pentanone	100.000	103.898	-3.9	93	0.00
59 M	2-Hexanone	100.000	105.728	-5.7	98	0.00
60 S	4-Bromofluorobenzene	30.000	29.271	2.4	93	0.00
61 M	Tetrachloroethene	20.000	18.987	5.1	86	0.00
62 M	Toluene	20.000	19.011	4.9	87	0.00
63 S	Toluene-d8	30.000	30.494	-1.6	96	0.00
64 M	Chlorobenzene	20.000	18.551	7.2	85	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.691	6.5	87	0.00
66 M	Ethyl Benzene	20.000	18.137	9.3	83	0.00
67 M	m/p-Xylenes	40.000	36.225	9.4	84	0.00
68 M	o-Xylene	20.000	17.697	11.5	82	0.00
69 M	Styrene	20.000	17.592	12.0	83	0.00
70	Isopropylbenzene	20.000	18.241	8.8	84	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.234	3.8	89	0.00
72	1,2,3-Trichloropropane	20.000	19.607	2.0	90	0.00
73	Bromobenzene	20.000	18.420	7.9	86	0.00
74	n-propylbenzene	20.000	18.674	6.6	85	0.00
75	2-Chlorotoluene	20.000	18.564	7.2	86	0.00
76	1,3,5-Trimethylbenzene	20.000	18.063	9.7	84	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.251	8.7	89	0.00
78	4-Chlorotoluene	20.000	18.245	8.8	86	0.00
79	tert-butylbenzene	20.000	17.435	12.8	81	0.00
80	1,2,4-Trimethylbenzene	20.000	18.167	9.2	84	0.00
81	sec-Butylbenzene	20.000	17.798	11.0	82	0.00
82	p-Isopropyltoluene	20.000	17.481	12.6	81	0.00
83 M	1,3-Dichlorobenzene	20.000	18.106	9.5	85	0.00
84 M	1,4-Dichlorobenzene	20.000	17.174	14.1	81	0.00
85	n-Butylbenzene	20.000	16.778	16.1	80	0.00
86 T	Hexachloroethane	20.000	18.613	6.9	88	0.00
87 M	1,2-Dichlorobenzene	20.000	18.257	8.7	86	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.649	6.8	87	0.00
89	1,2,4-Trichlorobenzene	20.000	15.196	24.0	73	0.00
90	Hexachlorobutadiene	20.000	17.599	12.0	84	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	15.112	24.4	72	0.00
92	1,2,3-Trichlorobenzene	20.000	16.360	18.2	78	0.00

(#) = Out of Range

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