

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121520\
 Data File : VN065154.D
 Acq On : 15 Dec 2020 20:09
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 16 07:19:41 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 15 15:18:54 2020
 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	98	0.00
2 M	Dichlorodifluoromethane	20.000	12.916	35.4#	68	0.00
3 M	Chloromethane	20.000	10.963	45.2#	57	0.00
4 M	Vinyl Chloride	20.000	15.186	24.1	85	0.00
5 M	Bromomethane	20.000	16.783	16.1	107	0.00
6 M	Chloroethane	20.000	18.173	9.1	113	0.00
7 M	Trichlorofluoromethane	20.000	14.977	25.1	89	0.00
8 T	Diethyl Ether	20.000	10.440	47.8#	56	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	11.156	44.2#	59	0.00
10 M	1,1-Dichloroethene	20.000	10.788	46.1#	58	0.00
11	Methyl Iodide	20.000	10.545	47.3#	57	0.00
12	Methyl Acetate	20.000	11.407	43.0#	61	0.00
13 M	Acrolein	100.000	47.988	52.0#	52	0.00
14 M	Acrylonitrile	100.000	52.952	47.0#	56	0.00
15 M	Acetone	100.000	43.519	56.5#	41	0.00
16 M	Carbon Disulfide	20.000	10.090	49.5#	53	0.00
17	Allyl chloride	20.000	11.010	45.0#	65	0.00
18 M	Methylene Chloride	20.000	10.646	46.8#	55	0.00
19 M	trans-1,2-Dichloroethene	20.000	10.940	45.3#	58	0.00
20 T	Diisopropyl ether	20.000	10.790	46.1#	63	0.00
21 M	1,1-Dichloroethane	20.000	10.368	48.2#	60	0.00
22 M	cis-1,2-Dichloroethene	20.000	14.440	27.8	76	0.00
23 M	tert-Butyl Alcohol	100.000	58.138	41.9#	66	0.00
24 M	Methyl tert-Butyl Ether	20.000	11.512	42.4#	63	0.00
25 M	Chloroform	20.000	18.251	8.7	97	0.00
26	Cyclohexane	20.000	18.408	8.0	98	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.372	2.1	100	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	94	0.00
29	1,1-Dichloropropene	20.000	18.808	6.0	97	0.00
30 M	2-Butanone	100.000	77.886	22.1	77	0.00
31	2,2-Dichloropropane	20.000	15.643	21.8	82	0.00
32 M	1,1,1-Trichloroethane	20.000	18.826	5.9	98	0.00
33 M	Carbon Tetrachloride	20.000	18.588	7.1	96	0.00
34 M	Benzene	20.000	19.354	3.2	96	0.00
35	Methacrylonitrile	20.000	19.453	2.7	94	0.00
36 M	1,2-Dichloroethane	20.000	18.868	5.7	98	0.00
37 M	Trichloroethene	20.000	17.763	11.2	90	0.00
38	Methylcyclohexane	20.000	10.395	48.0#	59	0.00
39 M	1,2-Dichloropropane	20.000	11.653	41.7#	60	0.00
40	Dibromomethane	20.000	12.195	39.0#	67	0.00
41 M	Bromodichloromethane	20.000	12.036	39.8#	68	0.00
42 M	Vinyl Acetate	100.000	56.567	43.4#	64	0.00
43	Ethyl Acetate	20.000	19.210	3.9	93	0.00
44	Isopropyl Acetate	20.000	18.999	5.0	99	0.00
45 T	1,4-Dioxane	400.000	232.579	41.9#	62	0.00
46	Methyl methacrylate	20.000	11.777	41.1#	68	0.00
47	n-amyl Acetate	20.000	12.538	37.3#	69	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)

48 M	t-1,3-Dichloropropene	20.000	12.738	36.3#	68	0.00
49 T	cis-1,3-Dichloropropene	20.000	11.534	42.3#	62	0.00
50 M	1,1,2-Trichloroethane	20.000	12.830	35.9#	64	0.00
51	Ethyl methacrylate	20.000	11.607	42.0#	62	0.00
52	1,3-Dichloropropane	20.000	12.432	37.8#	63	0.00
53 M	Dibromochloromethane	20.000	12.590	37.0#	66	0.00
54 M	1,2-Dibromoethane	20.000	12.406	38.0#	64	0.00
55 M	2-Chloroethyl vinyl ether	100.000	55.726	44.3#	60	0.00
56 M	Bromoform	20.000	11.990	40.0#	62	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	62	0.00
58 M	4-Methyl-2-Pentanone	100.000	92.166	7.8	66	0.00
59 M	2-Hexanone	100.000	98.820	1.2	67	0.00
60 S	4-Bromofluorobenzene	30.000	31.073	-3.6	67	0.00
61 M	Tetrachloroethene	20.000	19.323	3.4	62	0.00
62 M	Toluene	20.000	19.048	4.8	63	0.00
63 S	Toluene-d8	30.000	29.587	1.4	63	0.00
64 M	Chlorobenzene	20.000	18.844	5.8	63	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.703	1.5	66	0.00
66 M	Ethyl Benzene	20.000	18.663	6.7	64	0.00
67 M	m/p-Xylenes	40.000	37.418	6.5	64	0.00
68 M	o-Xylene	20.000	18.831	5.8	64	0.00
69 M	Styrene	20.000	18.057	9.7	63	0.00
70	Isopropylbenzene	20.000	19.173	4.1	65	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.046	4.8	64	0.00
72	1,2,3-Trichloropropane	20.000	18.107	9.5	58	0.00
73	Bromobenzene	20.000	18.317	8.4	62	0.00
74	n-propylbenzene	20.000	19.357	3.2	66	0.00
75	2-Chlorotoluene	20.000	19.579	2.1	66	0.00
76	1,3,5-Trimethylbenzene	20.000	19.638	1.8	66	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.680	16.6	59	0.00
78	4-Chlorotoluene	20.000	19.031	4.8	66	0.00
79	tert-butylbenzene	20.000	18.938	5.3	65	0.00
80	1,2,4-Trimethylbenzene	20.000	19.381	3.1	66	0.00
81	sec-Butylbenzene	20.000	19.071	4.6	66	0.00
82	p-Isopropyltoluene	20.000	18.600	7.0	68	0.00
83 M	1,3-Dichlorobenzene	20.000	18.226	8.9	65	0.00
84 M	1,4-Dichlorobenzene	20.000	16.955	15.2	66	0.00
85	n-Butylbenzene	20.000	16.963	15.2	68	0.00
86 T	Hexachloroethane	20.000	21.114	-5.6	83	0.00
87 M	1,2-Dichlorobenzene	20.000	17.211	13.9	64	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	23.772	-18.9	94	0.00
89	1,2,4-Trichlorobenzene	20.000	22.918	-14.6	97	0.00
90	Hexachlorobutadiene	20.000	26.384	-31.9#	103	0.00
91 M	Naphthalene	20.000	22.284	-11.4	98	0.00
92	1,2,3-Trichlorobenzene	20.000	24.403	-22.0	103	0.00

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Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range		SPCC's out = 0 CCC's out = 0			