

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN102418\
 Data File : VN051997.D
 Acq On : 24 Oct 2018 19:20
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 25 01:43:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 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	119	0.00
2 M	Dichlorodifluoromethane	20.000	20.639	-3.2	124	0.00
3 M	Chloromethane	20.000	17.165	14.2	99	0.00
4 M	Vinyl Chloride	20.000	14.370	28.2	81	0.00
5 M	Bromomethane	20.000	16.477	17.6	98	0.00
6 M	Chloroethane	20.000	15.315	23.4	86	0.00
7 M	Trichlorofluoromethane	20.000	19.713	1.4	126	0.00
8 T	Diethyl Ether	20.000	20.086	-0.4	116	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.263	-6.3	122	0.00
10 M	1,1-Dichloroethene	20.000	20.600	-3.0	118	0.00
11	Methyl Iodide	20.000	23.530	-17.7	144	0.00
12	Methyl Acetate	20.000	20.332	-1.7	116	0.00
13 M	Acrolein	100.000	26.477	73.5#	32	0.00
14 M	Acrylonitrile	100.000	88.872	11.1	104	0.00
15 M	Acetone	100.000	78.484	21.5	88	0.00
16 M	Carbon Disulfide	20.000	15.803	21.0	95	0.00
17	Allyl chloride	20.000	15.757	21.2	89	0.00
18 M	Methylene Chloride	20.000	21.376	-6.9	123	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.670	1.6	114	0.00
20 T	Diisopropyl ether	20.000	18.674	6.6	107	0.00
21 M	1,1-Dichloroethane	20.000	19.112	4.4	109	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.118	-0.6	119	0.00
23 M	tert-Butyl Alcohol	100.000	50.068	49.9#	60	-0.01
24 M	Methyl tert-Butyl Ether	20.000	18.267	8.7	107	0.00
25 M	Chloroform	20.000	19.909	0.5	115	0.00
26	Cyclohexane	20.000	17.335	13.3	100	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.667	4.4	108	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	118	0.00
29	1,1-Dichloropropene	20.000	18.715	6.4	111	0.00
30 M	2-Butanone	100.000	75.712	24.3	88	0.00
31	2,2-Dichloropropane	20.000	15.910	20.4	93	0.00
32 M	1,1,1-Trichloroethane	20.000	18.619	6.9	111	0.00
33 M	Carbon Tetrachloride	20.000	18.115	9.4	108	0.00
34 M	Benzene	20.000	19.490	2.6	114	0.00
35	Methacrylonitrile	20.000	12.191	39.0#	75	-0.02
36 M	1,2-Dichloroethane	20.000	19.197	4.0	113	0.00
37 M	Trichloroethene	20.000	20.105	-0.5	119	0.00
38	Methylcyclohexane	20.000	17.029	14.9	101	0.00
39 M	1,2-Dichloropropane	20.000	18.954	5.2	110	0.00
40	Dibromomethane	20.000	19.772	1.1	119	0.00
41 M	Bromodichloromethane	20.000	17.786	11.1	106	0.00
42 M	Vinyl Acetate	100.000	82.804	17.2	97	0.00
43	Ethyl Acetate	20.000	17.412	12.9	99	0.00
44	Isopropyl Acetate	20.000	15.946	20.3	92	0.00
45 T	1,4-Dioxane	400.000	227.684	43.1#	68	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	16.867	15.7	99	0.00
47	n-amyl Acetate	20.000	16.510	17.4	105	0.00
48 M	t-1,3-Dichloropropene	20.000	16.451	17.7	102	0.00
49 T	cis-1,3-Dichloropropene	20.000	17.235	13.8	104	0.00
50 M	1,1,2-Trichloroethane	20.000	19.652	1.7	116	0.00
51	Ethyl methacrylate	20.000	17.717	11.4	106	0.00
52	1,3-Dichloropropane	20.000	19.134	4.3	113	0.00
53 M	Dibromochloromethane	20.000	16.528	17.4	104	0.00
54 M	1,2-Dibromoethane	20.000	18.665	6.7	115	0.00
55 M	2-Chloroethyl vinyl ether	100.000	112.795	-12.8	135	0.00
56 M	Bromoform	20.000	14.039	29.8	96	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	119	0.00
58 M	4-Methyl-2-Pentanone	100.000	82.713	17.3	96	0.00
59 M	2-Hexanone	100.000	79.534	20.5	96	0.00
60 S	4-Bromofluorobenzene	30.000	28.615	4.6	116	0.00
61 M	Tetrachloroethene	20.000	18.967	5.2	110	0.00
62 M	Toluene	20.000	19.778	1.1	117	0.00
63 S	Toluene-d8	30.000	29.262	2.5	113	0.00
64 M	Chlorobenzene	20.000	20.197	-1.0	122	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.737	6.3	112	0.00
66 M	Ethyl Benzene	20.000	18.820	5.9	112	0.00
67 M	m/p-Xylenes	40.000	38.059	4.9	114	0.00
68 M	o-Xylene	20.000	18.967	5.2	114	0.00
69 M	Styrene	20.000	19.159	4.2	120	0.00
70	Isopropylbenzene	20.000	18.646	6.8	113	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	16.193	19.0	97	0.00
72	1,2,3-Trichloropropane	20.000	16.099	19.5	100	0.00
73	Bromobenzene	20.000	19.913	0.4	125	0.00
74	n-propylbenzene	20.000	18.347	8.3	112	0.00
75	2-Chlorotoluene	20.000	18.290	8.6	111	0.00
76	1,3,5-Trimethylbenzene	20.000	17.855	10.7	109	0.00
77	t-1,4-Dichloro-2-butene	20.000	12.294	38.5#	83	0.00
78	4-Chlorotoluene	20.000	18.598	7.0	115	0.00
79	tert-butylbenzene	20.000	18.005	10.0	109	0.00
80	1,2,4-Trimethylbenzene	20.000	17.855	10.7	109	0.00
81	sec-Butylbenzene	20.000	17.588	12.1	107	0.00
82	p-Isopropyltoluene	20.000	17.601	12.0	110	0.00
83 M	1,3-Dichlorobenzene	20.000	19.036	4.8	123	0.00
84 M	1,4-Dichlorobenzene	20.000	19.523	2.4	129	0.00
85	n-Butylbenzene	20.000	16.856	15.7	107	0.00
86 T	Hexachloroethane	20.000	13.705	31.5#	89	0.00
87 M	1,2-Dichlorobenzene	20.000	18.309	8.5	117	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	9.750	51.2#	61	0.00
89	1,2,4-Trichlorobenzene	20.000	16.151	19.2	89	0.00
90	Hexachlorobutadiene	20.000	13.034	34.8#	80	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	15.382	23.1	79	0.00
92	1,2,3-Trichlorobenzene	20.000	9.182	54.1#	65	0.00

(#) = Out of Range

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