

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX072419\
 Data File : VX011062.D
 Acq On : 24 Jul 2019 17:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 25 03:47:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 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	95	0.00
2 M	Dichlorodifluoromethane	20.000	20.535	-2.7	93	0.00
3 M	Chloromethane	20.000	18.666	6.7	85	0.00
4 M	Vinyl Chloride	20.000	18.420	7.9	85	0.00
5 M	Bromomethane	20.000	22.766	-13.8	93	0.00
6 M	Chloroethane	20.000	19.822	0.9	92	0.00
7 M	Trichlorofluoromethane	20.000	20.012	-0.1	94	0.00
8 T	Diethyl Ether	20.000	20.339	-1.7	95	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.075	-5.4	99	0.00
10 M	1,1-Dichloroethene	20.000	19.108	4.5	90	0.00
11	Methyl Iodide	20.000	17.510	12.4	91	0.00
12	Methyl Acetate	20.000	20.190	-1.0	94	0.00
13 M	Acrolein	100.000	82.259	17.7	76	0.00
14 M	Acrylonitrile	100.000	101.048	-1.0	94	0.00
15 M	Acetone	100.000	115.061	-15.1	106	0.00
16 M	Carbon Disulfide	20.000	15.753	21.2	77	0.00
17	Allyl chloride	20.000	18.971	5.1	93	0.00
18 M	Methylene Chloride	20.000	19.805	1.0	94	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.135	4.3	90	0.00
20 T	Diisopropyl ether	20.000	20.171	-0.9	97	0.00
21 M	1,1-Dichloroethane	20.000	19.887	0.6	96	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.622	1.9	94	0.00
23 M	tert-Butyl Alcohol	100.000	88.184	11.8	85	0.00
24 M	Methyl tert-Butyl Ether	20.000	20.217	-1.1	97	0.00
25 M	Chloroform	20.000	19.756	1.2	96	0.00
26	Cyclohexane	20.000	18.692	6.5	89	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.439	1.9	95	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	94	0.00
29	1,1-Dichloropropene	20.000	19.002	5.0	91	0.00
30 M	2-Butanone	100.000	101.606	-1.6	97	0.00
31	2,2-Dichloropropane	20.000	23.540	-17.7	117	0.00
32 M	1,1,1-Trichloroethane	20.000	19.471	2.6	96	0.00
33 M	Carbon Tetrachloride	20.000	19.251	3.7	98	0.00
34 M	Benzene	20.000	19.755	1.2	94	0.00
35	Methacrylonitrile	20.000	20.174	-0.9	100	0.00
36 M	1,2-Dichloroethane	20.000	20.022	-0.1	98	0.00
37 M	Trichloroethene	20.000	19.510	2.4	95	0.00
38	Methylcyclohexane	20.000	18.823	5.9	90	0.00
39 M	1,2-Dichloropropane	20.000	19.475	2.6	94	0.00
40	Dibromomethane	20.000	20.047	-0.2	97	0.00
41 M	Bromodichloromethane	20.000	19.415	2.9	99	0.00
42 M	Vinyl Acetate	100.000	99.759	0.2	97	0.00
43	Ethyl Acetate	20.000	19.062	4.7	93	0.00
44	Isopropyl Acetate	20.000	19.386	3.1	95	0.00
45 T	1,4-Dioxane	400.000	400.589	-0.1	92	0.00

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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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)
46	Methyl methacrylate	20.000	19.758	1.2	97	0.00
47	n-amyl Acetate	20.000	19.512	2.4	97	0.00
48 M	t-1,3-Dichloropropene	20.000	19.373	3.1	101	0.00
49 T	cis-1,3-Dichloropropene	20.000	20.087	-0.4	101	0.00
50 M	1,1,2-Trichloroethane	20.000	20.624	-3.1	100	0.00
51	Ethyl methacrylate	20.000	19.242	3.8	96	0.00
52	1,3-Dichloropropane	20.000	20.074	-0.4	96	0.00
53 M	Dibromochloromethane	20.000	18.837	5.8	97	0.00
54 M	1,2-Dibromoethane	20.000	19.775	1.1	97	0.00
55 M	2-Chloroethyl vinyl ether	100.000	98.645	1.4	95	0.00
56 M	Bromoform	20.000	18.315	8.4	98	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	95	0.00
58 M	4-Methyl-2-Pentanone	100.000	100.864	-0.9	95	0.00
59 M	2-Hexanone	100.000	102.791	-2.8	97	0.00
60 S	4-Bromofluorobenzene	30.000	30.129	-0.4	99	0.00
61 M	Tetrachloroethene	20.000	20.989	-4.9	97	0.00
62 M	Toluene	20.000	20.189	-0.9	95	0.00
63 S	Toluene-d8	30.000	30.353	-1.2	94	0.00
64 M	Chlorobenzene	20.000	20.397	-2.0	97	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.104	-0.5	98	0.00
66 M	Ethyl Benzene	20.000	19.995	0.0	95	0.00
67 M	m/p-Xylenes	40.000	40.320	-0.8	94	0.00
68 M	o-Xylene	20.000	19.906	0.5	95	0.00
69 M	Styrene	20.000	20.119	-0.6	97	0.00
70	Isopropylbenzene	20.000	20.471	-2.4	98	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.692	-3.5	99	0.00
72	1,2,3-Trichloropropane	20.000	20.765	-3.8	101	0.00
73	Bromobenzene	20.000	20.378	-1.9	98	0.00
74	n-propylbenzene	20.000	20.461	-2.3	99	0.00
75	2-Chlorotoluene	20.000	20.361	-1.8	99	0.00
76	1,3,5-Trimethylbenzene	20.000	20.140	-0.7	96	0.00
77	t-1,4-Dichloro-2-butene	20.000	20.125	-0.6	112	0.00
78	4-Chlorotoluene	20.000	20.413	-2.1	100	0.00
79	tert-butylbenzene	20.000	20.541	-2.7	100	0.00
80	1,2,4-Trimethylbenzene	20.000	20.183	-0.9	97	0.00
81	sec-Butylbenzene	20.000	20.950	-4.7	101	0.00
82	p-Isopropyltoluene	20.000	20.587	-2.9	99	0.00
83 M	1,3-Dichlorobenzene	20.000	20.142	-0.7	98	0.00
84 M	1,4-Dichlorobenzene	20.000	20.342	-1.7	98	0.00
85	n-Butylbenzene	20.000	20.262	-1.3	99	0.00
86 T	Hexachloroethane	20.000	19.049	4.8	101	0.00
87 M	1,2-Dichlorobenzene	20.000	20.998	-5.0	98	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.376	3.1	97	0.00
89	1,2,4-Trichlorobenzene	20.000	20.294	-1.5	99	0.00
90	Hexachlorobutadiene	20.000	21.281	-6.4	102	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	20.500	-2.5	96	0.00
92	1,2,3-Trichlorobenzene	20.000	21.130	-5.6	101	0.00

(#) = Out of Range

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