

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX050820\
 Data File : VX016109.D
 Acq On : 08 May 2020 09:58
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 09 02:19:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 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	104	0.00
2 M	Dichlorodifluoromethane	20.000	22.592	-13.0	116	0.00
3 M	Chloromethane	20.000	22.104	-10.5	116	0.00
4 M	Vinyl Chloride	20.000	20.372	-1.9	110	0.00
5 M	Bromomethane	20.000	21.302	-6.5	103	0.00
6 M	Chloroethane	20.000	18.647	6.8	100	0.00
7 M	Trichlorofluoromethane	20.000	18.433	7.8	100	0.00
8 T	Diethyl Ether	20.000	18.257	8.7	102	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	20.610	-3.0	115	0.00
10 M	1,1-Dichloroethene	20.000	19.699	1.5	108	0.00
11	Methyl Iodide	20.000	17.316	13.4	100	0.00
12	Methyl Acetate	20.000	20.647	-3.2	111	0.00
13 M	Acrolein	100.000	87.447	12.6	112	0.00
14 M	Acrylonitrile	100.000	102.194	-2.2	115	0.00
15 M	Acetone	100.000	105.417	-5.4	119	0.00
16 M	Carbon Disulfide	20.000	20.483	-2.4	115	0.00
17	Allyl chloride	20.000	20.154	-0.8	111	0.00
18 M	Methylene Chloride	20.000	20.794	-4.0	116	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.466	-2.3	115	0.00
20 T	Diisopropyl ether	20.000	20.068	-0.3	112	-0.01
21 M	1,1-Dichloroethane	20.000	20.382	-1.9	113	-0.01
22 M	cis-1,2-Dichloroethene	20.000	19.864	0.7	113	0.00
23 M	tert-Butyl Alcohol	100.000	97.170	2.8	109	-0.01
24 M	Methyl tert-Butyl Ether	20.000	20.144	-0.7	113	0.00
25 M	Chloroform	20.000	20.078	-0.4	112	-0.01
26	Cyclohexane	20.000	20.579	-2.9	115	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.171	2.8	98	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	106	0.00
29	1,1-Dichloropropene	20.000	19.855	0.7	115	0.00
30 M	2-Butanone	100.000	93.427	6.6	107	0.00
31	2,2-Dichloropropane	20.000	19.427	2.9	110	0.00
32 M	1,1,1-Trichloroethane	20.000	19.057	4.7	109	-0.01
33 M	Carbon Tetrachloride	20.000	19.025	4.9	109	0.00
34 M	Benzene	20.000	20.033	-0.2	115	0.00
35	Methacrylonitrile	20.000	19.362	3.2	112	0.00
36 M	1,2-Dichloroethane	20.000	18.567	7.2	106	0.00
37 M	Trichloroethene	20.000	21.112	-5.6	115	0.00
38	Methylcyclohexane	20.000	20.392	-2.0	119	0.00
39 M	1,2-Dichloropropane	20.000	19.745	1.3	114	0.00
40	Dibromomethane	20.000	19.032	4.8	108	0.00
41 M	Bromodichloromethane	20.000	18.881	5.6	111	0.00
42 M	Vinyl Acetate	100.000	94.292	5.7	110	0.00
43	Ethyl Acetate	20.000	18.916	5.4	108	0.00
44	Isopropyl Acetate	20.000	18.606	7.0	107	0.00
45 T	1,4-Dioxane	400.000	392.267	1.9	114	0.00

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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	18.259	8.7	107	0.00
47	n-amyl Acetate	20.000	17.495	12.5	104	0.00
48 M	t-1,3-Dichloropropene	20.000	18.996	5.0	113	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.701	1.5	114	0.00
50 M	1,1,2-Trichloroethane	20.000	19.206	4.0	112	0.00
51	Ethyl methacrylate	20.000	18.656	6.7	112	0.00
52	1,3-Dichloropropane	20.000	19.870	0.6	114	0.00
53 M	Dibromochloromethane	20.000	19.030	4.8	114	0.00
54 M	1,2-Dibromoethane	20.000	18.930	5.4	112	0.00
55 M	2-Chloroethyl vinyl ether	100.000	102.724	-2.7	124	0.00
56 M	Bromoform	20.000	18.247	8.8	113	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	100.000	98.424	1.6	109	0.00
59 M	2-Hexanone	100.000	99.228	0.8	111	0.00
60 S	4-Bromofluorobenzene	30.000	29.744	0.9	103	0.00
61 M	Tetrachloroethene	20.000	21.152	-5.8	112	0.00
62 M	Toluene	20.000	20.633	-3.2	115	0.00
63 S	Toluene-d8	30.000	31.273	-4.2	105	0.00
64 M	Chlorobenzene	20.000	20.206	-1.0	113	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.120	4.4	108	0.00
66 M	Ethyl Benzene	20.000	20.379	-1.9	114	0.00
67 M	m/p-Xylenes	40.000	40.498	-1.2	115	0.00
68 M	o-Xylene	20.000	19.928	0.4	114	0.00
69 M	Styrene	20.000	19.577	2.1	113	0.00
70	Isopropylbenzene	20.000	20.056	-0.3	114	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	14.541	27.3	103	0.00
72	1,2,3-Trichloropropane	20.000	20.813	-4.1	117	0.00
73	Bromobenzene	20.000	19.486	2.6	110	0.00
74	n-propylbenzene	20.000	20.143	-0.7	115	0.00
75	2-Chlorotoluene	20.000	19.990	0.1	114	0.00
76	1,3,5-Trimethylbenzene	20.000	19.991	0.0	115	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.981	5.1	111	0.00
78	4-Chlorotoluene	20.000	19.624	1.9	112	0.00
79	tert-butylbenzene	20.000	19.275	3.6	113	0.00
80	1,2,4-Trimethylbenzene	20.000	19.888	0.6	114	0.00
81	sec-Butylbenzene	20.000	19.956	0.2	115	0.00
82	p-Isopropyltoluene	20.000	19.828	0.9	115	0.00
83 M	1,3-Dichlorobenzene	20.000	19.857	0.7	115	0.00
84 M	1,4-Dichlorobenzene	20.000	20.440	-2.2	119	0.00
85	n-Butylbenzene	20.000	19.620	1.9	115	0.00
86 T	Hexachloroethane	20.000	19.429	2.9	117	0.00
87 M	1,2-Dichlorobenzene	20.000	19.732	1.3	112	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.115	9.4	106	0.00
89	1,2,4-Trichlorobenzene	20.000	19.826	0.9	114	0.00
90	Hexachlorobutadiene	20.000	21.617	-8.1	121	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	19.342	3.3	110	0.00
92	1,2,3-Trichlorobenzene	20.000	19.977	0.1	116	0.00

(#) = Out of Range

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