

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX062520\
 Data File : VX016959.D
 Acq On : 25 Jun 2020 17:21
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 26 09:28:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 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	99	0.00
2 M	Dichlorodifluoromethane	20.000	17.523	12.4	101	0.00
3 M	Chloromethane	20.000	18.058	9.7	90	0.00
4 M	Vinyl Chloride	20.000	18.837	5.8	96	0.00
5 M	Bromomethane	20.000	22.022	-10.1	105	0.00
6 M	Chloroethane	20.000	17.941	10.3	92	0.00
7 M	Trichlorofluoromethane	20.000	18.749	6.3	97	0.00
8 T	Diethyl Ether	20.000	18.368	8.2	95	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.736	6.3	97	0.00
10 M	1,1-Dichloroethene	20.000	19.091	4.5	98	0.00
11	Methyl Iodide	20.000	13.318	33.4#	79	0.00
12	Methyl Acetate	20.000	18.999	5.0	98	0.00
13 M	Acrolein	100.000	36.689	63.3#	39	0.00
14 M	Acrylonitrile	100.000	91.637	8.4	92	0.00
15 M	Acetone	100.000	94.637	5.4	97	0.00
16 M	Carbon Disulfide	20.000	18.431	7.8	95	0.00
17	Allyl chloride	20.000	18.658	6.7	93	0.00
18 M	Methylene Chloride	20.000	18.315	8.4	95	0.00
19 M	trans-1,2-Dichloroethene	20.000	17.960	10.2	93	0.00
20 T	Diisopropyl ether	20.000	18.568	7.2	96	0.00
21 M	1,1-Dichloroethane	20.000	18.587	7.1	95	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.623	6.9	96	0.00
23 M	tert-Butyl Alcohol	100.000	83.588	16.4	85	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.641	6.8	96	0.00
25 M	Chloroform	20.000	18.486	7.6	95	0.00
26	Cyclohexane	20.000	18.182	9.1	93	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.972	3.4	95	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29	1,1-Dichloropropene	20.000	18.304	8.5	95	0.00
30 M	2-Butanone	100.000	92.123	7.9	93	0.00
31	2,2-Dichloropropane	20.000	18.058	9.7	92	0.00
32 M	1,1,1-Trichloroethane	20.000	18.460	7.7	96	0.00
33 M	Carbon Tetrachloride	20.000	18.150	9.3	94	0.00
34 M	Benzene	20.000	18.664	6.7	96	0.00
35	Methacrylonitrile	20.000	18.342	8.3	94	0.00
36 M	1,2-Dichloroethane	20.000	17.886	10.6	92	0.00
37 M	Trichloroethene	20.000	18.120	9.4	92	0.00
38	Methylcyclohexane	20.000	18.409	8.0	98	0.00
39 M	1,2-Dichloropropane	20.000	18.760	6.2	98	0.00
40	Dibromomethane	20.000	19.174	4.1	99	0.00
41 M	Bromodichloromethane	20.000	18.577	7.1	95	0.00
42 M	Vinyl Acetate	100.000	93.586	6.4	96	0.00
43	Ethyl Acetate	20.000	18.740	6.3	96	0.00
44	Isopropyl Acetate	20.000	18.445	7.8	96	0.00
45 T	1,4-Dioxane	400.000	294.685	26.3	74	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	19.043	4.8	99	0.00
47	n-amyl Acetate	20.000	18.002	10.0	98	0.00
48 M	t-1,3-Dichloropropene	20.000	18.187	9.1	98	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.635	6.8	96	0.00
50 M	1,1,2-Trichloroethane	20.000	18.329	8.4	96	0.00
51	Ethyl methacrylate	20.000	18.330	8.4	97	0.00
52	1,3-Dichloropropane	20.000	18.870	5.6	95	0.00
53 M	Dibromochloromethane	20.000	18.330	8.4	97	0.00
54 M	1,2-Dibromoethane	20.000	18.530	7.3	97	0.00
55 M	2-Chloroethyl vinyl ether	100.000	100.687	-0.7	105	0.00
56 M	Bromoform	20.000	17.352	13.2	95	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	100.000	96.790	3.2	95	0.00
59 M	2-Hexanone	100.000	95.402	4.6	94	0.00
60 S	4-Bromofluorobenzene	30.000	29.353	2.2	97	0.00
61 M	Tetrachloroethene	20.000	16.860	15.7	85	0.00
62 M	Toluene	20.000	19.333	3.3	96	0.00
63 S	Toluene-d8	30.000	30.788	-2.6	98	0.00
64 M	Chlorobenzene	20.000	18.829	5.9	96	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.977	5.1	95	0.00
66 M	Ethyl Benzene	20.000	19.026	4.9	96	0.00
67 M	m/p-Xylenes	40.000	37.868	5.3	96	0.00
68 M	o-Xylene	20.000	19.093	4.5	96	0.00
69 M	Styrene	20.000	18.527	7.4	96	0.00
70	Isopropylbenzene	20.000	18.550	7.2	95	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.192	-1.0	103	0.00
72	1,2,3-Trichloropropane	20.000	19.561	2.2	96	0.00
73	Bromobenzene	20.000	18.083	9.6	91	0.00
74	n-propylbenzene	20.000	18.390	8.0	95	0.00
75	2-Chlorotoluene	20.000	18.822	5.9	98	0.00
76	1,3,5-Trimethylbenzene	20.000	18.586	7.1	96	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.067	9.7	95	0.00
78	4-Chlorotoluene	20.000	18.496	7.5	96	0.00
79	tert-butylbenzene	20.000	18.735	6.3	96	0.00
80	1,2,4-Trimethylbenzene	20.000	18.685	6.6	96	0.00
81	sec-Butylbenzene	20.000	18.186	9.1	94	0.00
82	p-Isopropyltoluene	20.000	18.095	9.5	94	0.00
83 M	1,3-Dichlorobenzene	20.000	18.645	6.8	95	0.00
84 M	1,4-Dichlorobenzene	20.000	18.869	5.7	97	0.00
85	n-Butylbenzene	20.000	17.546	12.3	92	0.00
86 T	Hexachloroethane	20.000	18.622	6.9	95	0.00
87 M	1,2-Dichlorobenzene	20.000	19.317	3.4	98	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.887	0.6	100	0.00
89	1,2,4-Trichlorobenzene	20.000	17.941	10.3	95	0.00
90	Hexachlorobutadiene	20.000	16.443	17.8	88	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	18.751	6.2	96	0.00
92	1,2,3-Trichlorobenzene	20.000	18.353	8.2	96	0.00

(#) = Out of Range

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