

Data Path : W:\HPCHEM1\MSVOA X\Data\WX050418\
 Data File : VX001390.D
 Acq On : 04 May 2018 11:13
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 04 11:33:04 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 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	88	0.00
2 M	Dichlorodifluoromethane	20.000	19.822	0.9	80	0.00
3 M	Chloromethane	20.000	19.759	1.2	81	0.00
4 M	Vinyl Chloride	20.000	20.389	-1.9	84	0.00
5 M	Bromomethane	20.000	19.439	2.8	84	0.00
6 M	Chloroethane	20.000	21.161	-5.8	90	0.00
7 M	Trichlorofluoromethane	20.000	22.103	-10.5	93	0.00
8 T	Diethyl Ether	20.000	21.795	-9.0	94	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	23.043	-15.2	100	0.00
10 M	1,1-Dichloroethene	20.000	20.871	-4.4	91	0.00
11	Methyl Iodide	20.000	27.482	-37.4#	132	0.00
12	Methyl Acetate	20.000	27.341	-36.7#	117	0.00
13 M	Acrolein	100.000	50.853	49.1#	44	0.00
14 M	Acrylonitrile	100.000	125.049	-25.0	108	0.00
15 M	Acetone	100.000	116.189	-16.2	99	0.00
16 M	Carbon Disulfide	20.000	17.031	14.8	76	0.00
17	Allyl chloride	20.000	21.405	-7.0	92	0.00
18 M	Methylene Chloride	20.000	21.556	-7.8	92	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.746	-3.7	90	0.00
20 T	Diisopropyl ether	20.000	19.021	4.9	84	0.00
21 M	1,1-Dichloroethane	20.000	21.917	-9.6	91	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.170	4.1	82	0.00
23 M	tert-Butyl Alcohol	100.000	144.908	-44.9#	126	0.00
24 M	Methyl tert-Butyl Ether	20.000	21.953	-9.8	95	0.00
25 M	Chloroform	20.000	19.985	0.1	87	0.00
26	Cyclohexane	20.000	18.650	6.8	81	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.304	2.3	85	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	85	0.00
29	1,1-Dichloropropene	20.000	19.422	2.9	83	0.00
30 M	2-Butanone	100.000	114.803	-14.8	96	0.00
31	2,2-Dichloropropane	20.000	18.623	6.9	79	0.00
32 M	1,1,1-Trichloroethane	20.000	19.449	2.8	82	0.00
33 M	Carbon Tetrachloride	20.000	19.258	3.7	84	0.00
34 M	Benzene	20.000	20.104	-0.5	84	0.00
35	Methacrylonitrile	20.000	22.221	-11.1	95	0.00
36 M	1,2-Dichloroethane	20.000	19.864	0.7	84	0.00
37 M	Trichloroethene	20.000	20.661	-3.3	87	0.00
38	Methylcyclohexane	20.000	20.214	-1.1	87	0.00
39 M	1,2-Dichloropropane	20.000	20.118	-0.6	85	0.00
40	Dibromomethane	20.000	20.252	-1.3	85	0.00
41 M	Bromodichloromethane	20.000	19.362	3.2	83	0.00
42 M	Vinyl Acetate	100.000	96.631	3.4	81	0.00
43	Ethyl Acetate	20.000	22.515	-12.6	97	0.01
44	Isopropyl Acetate	20.000	20.782	-3.9	91	0.00
45 T	1,4-Dioxane	400.000	520.241	-30.1#	118	0.00

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Quant Time: May 04 11:33:04 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.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	20.856	-4.3	91	0.00
47	n-amyl Acetate	20.000	19.453	2.7	87	0.00
48 M	t-1,3-Dichloropropene	20.000	18.722	6.4	82	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.043	9.8	80	0.00
50 M	1,1,2-Trichloroethane	20.000	21.021	-5.1	88	0.00
51	Ethyl methacrylate	20.000	20.343	-1.7	89	0.00
52	1,3-Dichloropropane	20.000	20.873	-4.4	88	0.00
53 M	Dibromochloromethane	20.000	19.331	3.3	86	0.00
54 M	1,2-Dibromoethane	20.000	20.609	-3.0	89	0.00
55 M	2-Chloroethyl vinyl ether	100.000	103.618	-3.6	87	0.00
56 M	Bromoform	20.000	18.833	5.8	88	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	100.000	112.625	-12.6	96	0.00
59 M	2-Hexanone	100.000	111.813	-11.8	97	0.00
60 S	4-Bromofluorobenzene	30.000	28.851	3.8	85	0.00
61 M	Tetrachloroethene	20.000	23.689	-18.4	96	0.00
62 M	Toluene	20.000	19.641	1.8	85	0.00
63 S	Toluene-d8	30.000	29.929	0.2	87	0.00
64 M	Chlorobenzene	20.000	19.683	1.6	85	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.638	1.8	84	0.00
66 M	Ethyl Benzene	20.000	19.313	3.4	84	0.00
67 M	m/p-Xylenes	40.000	39.079	2.3	86	0.00
68 M	o-Xylene	20.000	19.639	1.8	85	0.00
69 M	Styrene	20.000	19.434	2.8	85	0.00
70	Isopropylbenzene	20.000	19.663	1.7	86	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.968	0.2	89	0.00
72	1,2,3-Trichloropropane	20.000	25.522	-27.6	107	0.00
73	Bromobenzene	20.000	19.558	2.2	87	0.00
74	n-propylbenzene	20.000	19.934	0.3	88	0.00
75	2-Chlorotoluene	20.000	19.252	3.7	85	0.00
76	1,3,5-Trimethylbenzene	20.000	20.030	-0.2	89	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.298	13.5	89	0.00
78	4-Chlorotoluene	20.000	18.741	6.3	83	0.00
79	tert-butylbenzene	20.000	20.855	-4.3	92	0.00
80	1,2,4-Trimethylbenzene	20.000	20.255	-1.3	88	0.00
81	sec-Butylbenzene	20.000	21.090	-5.4	93	0.00
82	p-Isopropyltoluene	20.000	20.855	-4.3	92	0.00
83 M	1,3-Dichlorobenzene	20.000	19.760	1.2	88	0.00
84 M	1,4-Dichlorobenzene	20.000	19.440	2.8	86	0.00
85	n-Butylbenzene	20.000	20.067	-0.3	92	0.00
86 T	Hexachloroethane	20.000	18.622	6.9	87	0.00
87 M	1,2-Dichlorobenzene	20.000	20.038	-0.2	89	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.606	-3.0	93	0.00
89	1,2,4-Trichlorobenzene	20.000	20.367	-1.8	91	0.00
90	Hexachlorobutadiene	20.000	24.735	-23.7	115	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	21.470	-7.3	95	0.00
92	1,2,3-Trichlorobenzene	20.000	21.317	-6.6	95	0.00

(#) = Out of Range

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