

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX112219\
 Data File : VX013521.D
 Acq On : 22 Nov 2019 10:02
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 22 14:13:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 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	105	0.00
2 M	Dichlorodifluoromethane	20.000	19.307	3.5	106	0.00
3 M	Chloromethane	20.000	18.508	7.5	102	0.00
4 M	Vinyl Chloride	20.000	19.047	4.8	105	0.00
5 M	Bromomethane	20.000	16.910	15.4	105	0.00
6 M	Chloroethane	20.000	18.126	9.4	103	0.00
7 M	Trichlorofluoromethane	20.000	18.928	5.4	108	0.00
8 T	Diethyl Ether	20.000	18.780	6.1	108	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.974	0.1	113	0.00
10 M	1,1-Dichloroethene	20.000	18.767	6.2	107	0.00
11	Methyl Iodide	20.000	15.560	22.2	94	0.00
12	Methyl Acetate	20.000	18.331	8.3	104	0.00
13 M	Acrolein	100.000	83.065	16.9	94	0.00
14 M	Acrylonitrile	100.000	88.385	11.6	101	0.00
15 M	Acetone	100.000	99.540	0.5	100	0.00
16 M	Carbon Disulfide	20.000	18.236	8.8	106	0.00
17	Allyl chloride	20.000	18.377	8.1	104	0.00
18 M	Methylene Chloride	20.000	18.501	7.5	107	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.026	4.9	110	0.00
20 T	Diisopropyl ether	20.000	18.834	5.8	108	0.00
21 M	1,1-Dichloroethane	20.000	18.593	7.0	107	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.126	4.4	110	0.00
23 M	tert-Butyl Alcohol	100.000	83.737	16.3	101	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.601	7.0	106	0.00
25 M	Chloroform	20.000	18.778	6.1	107	0.00
26	Cyclohexane	20.000	19.005	5.0	110	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.542	4.9	104	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	106	0.00
29	1,1-Dichloropropene	20.000	19.470	2.7	111	0.00
30 M	2-Butanone	100.000	95.987	4.0	102	0.00
31	2,2-Dichloropropane	20.000	19.770	1.2	109	0.00
32 M	1,1,1-Trichloroethane	20.000	19.100	4.5	106	0.00
33 M	Carbon Tetrachloride	20.000	18.992	5.0	105	0.00
34 M	Benzene	20.000	19.381	3.1	107	0.00
35	Methacrylonitrile	20.000	18.795	6.0	104	0.00
36 M	1,2-Dichloroethane	20.000	18.767	6.2	104	0.00
37 M	Trichloroethene	20.000	19.991	0.0	113	0.00
38	Methylcyclohexane	20.000	20.048	-0.2	113	0.00
39 M	1,2-Dichloropropane	20.000	18.971	5.1	106	0.00
40	Dibromomethane	20.000	18.737	6.3	104	0.00
41 M	Bromodichloromethane	20.000	19.025	4.9	105	0.00
42 M	Vinyl Acetate	100.000	95.055	4.9	105	0.00
43	Ethyl Acetate	20.000	18.511	7.4	101	0.00
44	Isopropyl Acetate	20.000	18.456	7.7	104	0.00
45 T	1,4-Dioxane	400.000	350.297	12.4	99	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	18.357	8.2	105	0.00
47	n-amyl Acetate	20.000	18.017	9.9	104	0.00
48 M	t-1,3-Dichloropropene	20.000	18.709	6.5	109	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.936	5.3	107	0.00
50 M	1,1,2-Trichloroethane	20.000	19.838	0.8	109	0.00
51	Ethyl methacrylate	20.000	18.773	6.1	109	0.00
52	1,3-Dichloropropane	20.000	19.140	4.3	105	0.00
53 M	Dibromochloromethane	20.000	18.656	6.7	107	0.00
54 M	1,2-Dibromoethane	20.000	19.035	4.8	105	0.00
55 M	2-Chloroethyl vinyl ether	100.000	88.738	11.3	97	0.00
56 M	Bromoform	20.000	17.990	10.1	107	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	106	0.00
58 M	4-Methyl-2-Pentanone	100.000	93.539	6.5	102	0.00
59 M	2-Hexanone	100.000	94.207	5.8	102	0.00
60 S	4-Bromofluorobenzene	30.000	30.077	-0.3	108	0.00
61 M	Tetrachloroethene	20.000	20.432	-2.2	114	0.00
62 M	Toluene	20.000	19.671	1.6	107	0.00
63 S	Toluene-d8	30.000	30.607	-2.0	107	0.00
64 M	Chlorobenzene	20.000	19.585	2.1	110	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.414	2.9	109	0.00
66 M	Ethyl Benzene	20.000	19.725	1.4	109	0.00
67 M	m/p-Xylenes	40.000	38.968	2.6	109	0.00
68 M	o-Xylene	20.000	19.855	0.7	112	0.00
69 M	Styrene	20.000	19.399	3.0	109	0.00
70	Isopropylbenzene	20.000	19.908	0.5	110	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.014	4.9	105	0.00
72	1,2,3-Trichloropropane	20.000	18.327	8.4	109	0.00
73	Bromobenzene	20.000	19.529	2.4	110	0.00
74	n-propylbenzene	20.000	19.890	0.5	111	0.00
75	2-Chlorotoluene	20.000	19.771	1.1	110	0.00
76	1,3,5-Trimethylbenzene	20.000	19.917	0.4	111	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.799	11.0	105	0.00
78	4-Chlorotoluene	20.000	19.395	3.0	110	0.00
79	tert-butylbenzene	20.000	19.303	3.5	108	0.00
80	1,2,4-Trimethylbenzene	20.000	19.742	1.3	111	0.00
81	sec-Butylbenzene	20.000	19.873	0.6	112	0.00
82	p-Isopropyltoluene	20.000	19.879	0.6	112	0.00
83 M	1,3-Dichlorobenzene	20.000	19.256	3.7	111	0.00
84 M	1,4-Dichlorobenzene	20.000	19.713	1.4	114	0.00
85	n-Butylbenzene	20.000	19.551	2.2	113	0.00
86 T	Hexachloroethane	20.000	18.879	5.6	112	0.00
87 M	1,2-Dichlorobenzene	20.000	19.349	3.3	110	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.819	10.9	105	0.00
89	1,2,4-Trichlorobenzene	20.000	19.074	4.6	112	0.00
90	Hexachlorobutadiene	20.000	19.299	3.5	112	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	18.729	6.4	108	0.00
92	1,2,3-Trichlorobenzene	20.000	19.371	3.1	111	0.00

(#) = Out of Range

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