

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX112020\
 Data File : VX019486.D
 Acq On : 19 Nov 2020 23:10
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 20 03:12:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X112020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 20 01:06:02 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	106	0.00
2 M	Dichlorodifluoromethane	20.000	18.983	5.1	98	0.00
3 M	Chloromethane	20.000	19.099	4.5	100	0.00
4 M	Vinyl Chloride	20.000	18.544	7.3	99	0.00
5 M	Bromomethane	20.000	19.025	4.9	99	0.00
6 M	Chloroethane	20.000	41.946	-109.7#	172	0.00
7 M	Trichlorofluoromethane	20.000	18.024	9.9	98	0.00
8 T	Diethyl Ether	20.000	18.145	9.3	99	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.181	9.1	99	0.00
10 M	1,1-Dichloroethene	20.000	17.661	11.7	97	0.00
11	Methyl Iodide	20.000	17.032	14.8	99	0.00
12	Methyl Acetate	20.000	18.233	8.8	101	0.00
13 M	Acrolein	100.000	93.079	6.9	108	0.00
14 M	Acrylonitrile	100.000	92.771	7.2	102	0.00
15 M	Acetone	100.000	86.998	13.0	96	0.00
16 M	Carbon Disulfide	20.000	17.098	14.5	97	0.00
17	Allyl chloride	20.000	17.639	11.8	100	0.00
18 M	Methylene Chloride	20.000	18.581	7.1	100	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.049	9.8	101	0.00
20 T	Diisopropyl ether	20.000	18.322	8.4	102	0.00
21 M	1,1-Dichloroethane	20.000	18.244	8.8	101	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.030	9.8	101	0.00
23 M	tert-Butyl Alcohol	100.000	81.497	18.5	82	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.265	8.7	102	0.00
25 M	Chloroform	20.000	18.224	8.9	100	0.00
26	Cyclohexane	20.000	17.962	10.2	101	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.265	-0.9	106	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	108	0.00
29	1,1-Dichloropropene	20.000	17.760	11.2	102	0.00
30 M	2-Butanone	100.000	87.777	12.2	97	0.00
31	2,2-Dichloropropane	20.000	16.004	20.0	90	0.00
32 M	1,1,1-Trichloroethane	20.000	17.757	11.2	100	0.01
33 M	Carbon Tetrachloride	20.000	17.418	12.9	100	0.00
34 M	Benzene	20.000	18.019	9.9	100	0.00
35	Methacrylonitrile	20.000	18.054	9.7	102	0.00
36 M	1,2-Dichloroethane	20.000	18.287	8.6	101	0.00
37 M	Trichloroethene	20.000	17.524	12.4	98	0.00
38	Methylcyclohexane	20.000	17.015	14.9	97	0.00
39 M	1,2-Dichloropropane	20.000	18.322	8.4	101	0.00
40	Dibromomethane	20.000	17.621	11.9	96	0.00
41 M	Bromodichloromethane	20.000	17.601	12.0	100	0.00
42 M	Vinyl Acetate	100.000	89.955	10.0	102	0.00
43	Ethyl Acetate	20.000	18.372	8.1	105	0.00
44	Isopropyl Acetate	20.000	17.834	10.8	101	0.00
45 T	1,4-Dioxane	400.000	341.194	14.7	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX112020\
 Data File : VX019486.D
 Acq On : 19 Nov 2020 23:10
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 20 03:12:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X112020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 20 01:06:02 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)
46	Methyl methacrylate	20.000	17.933	10.3	102	0.00
47	n-amyl Acetate	20.000	17.522	12.4	102	0.00
48 M	t-1,3-Dichloropropene	20.000	17.061	14.7	98	0.00
49 T	cis-1,3-Dichloropropene	20.000	17.421	12.9	100	0.00
50 M	1,1,2-Trichloroethane	20.000	18.198	9.0	98	0.00
51	Ethyl methacrylate	20.000	17.875	10.6	104	0.00
52	1,3-Dichloropropane	20.000	18.326	8.4	100	0.00
53 M	Dibromochloromethane	20.000	17.579	12.1	99	0.00
54 M	1,2-Dibromoethane	20.000	18.449	7.8	100	0.00
55 M	2-Chloroethyl vinyl ether	100.000	91.762	8.2	103	0.00
56 M	Bromoform	20.000	16.838	15.8	99	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	106	0.00
58 M	4-Methyl-2-Pentanone	100.000	91.052	8.9	102	0.00
59 M	2-Hexanone	100.000	87.562	12.4	98	0.00
60 S	4-Bromofluorobenzene	30.000	29.452	1.8	106	0.00
61 M	Tetrachloroethene	20.000	18.517	7.4	97	0.00
62 M	Toluene	20.000	17.921	10.4	101	0.00
63 S	Toluene-d8	30.000	30.069	-0.2	106	0.00
64 M	Chlorobenzene	20.000	18.339	8.3	101	0.00
65	1,1,1,2-Tetrachloroethane	20.000	17.812	10.9	100	0.00
66 M	Ethyl Benzene	20.000	17.814	10.9	99	0.00
67 M	m/p-Xylenes	40.000	35.955	10.1	100	0.00
68 M	o-Xylene	20.000	18.303	8.5	103	0.00
69 M	Styrene	20.000	17.873	10.6	101	0.00
70	Isopropylbenzene	20.000	17.952	10.2	99	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	17.694	11.5	99	0.00
72	1,2,3-Trichloropropane	20.000	18.060	9.7	101	0.00
73	Bromobenzene	20.000	17.614	11.9	99	0.00
74	n-propylbenzene	20.000	17.635	11.8	98	0.00
75	2-Chlorotoluene	20.000	17.994	10.0	99	0.00
76	1,3,5-Trimethylbenzene	20.000	17.712	11.4	100	0.00
77	t-1,4-Dichloro-2-butene	20.000	15.337	23.3	94	0.00
78	4-Chlorotoluene	20.000	17.570	12.1	98	0.00
79	tert-butylbenzene	20.000	17.214	13.9	98	0.00
80	1,2,4-Trimethylbenzene	20.000	17.740	11.3	100	0.00
81	sec-Butylbenzene	20.000	17.426	12.9	97	0.00
82	p-Isopropyltoluene	20.000	17.248	13.8	98	0.00
83 M	1,3-Dichlorobenzene	20.000	16.957	15.2	94	0.00
84 M	1,4-Dichlorobenzene	20.000	16.978	15.1	94	0.00
85	n-Butylbenzene	20.000	16.247	18.8	95	0.00
86 T	Hexachloroethane	20.000	16.357	18.2	96	0.00
87 M	1,2-Dichlorobenzene	20.000	17.087	14.6	95	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	15.907	20.5	95	0.00
89	1,2,4-Trichlorobenzene	20.000	16.276	18.6	96	0.00
90	Hexachlorobutadiene	20.000	15.823	20.9	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX112020\
Data File : VX019486.D
Acq On : 19 Nov 2020 23:10
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC020

Quant Time: Nov 20 03:12:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X112020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 20 01:06:02 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)
91 M	Naphthalene	20.000	16.445	17.8	97	0.00
92	1,2,3-Trichlorobenzene	20.000	16.468	17.7	96	0.00

(#) = Out of Range

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