

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040120\
 Data File : VX015470.D
 Acq On : 01 Apr 2020 16:53
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 02 09:56:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 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	97	0.00
2 M	Dichlorodifluoromethane	20.000	17.107	14.5	90	0.00
3 M	Chloromethane	20.000	17.771	11.1	97	0.00
4 M	Vinyl Chloride	20.000	17.965	10.2	95	0.00
5 M	Bromomethane	20.000	23.500	-17.5	99	0.00
6 M	Chloroethane	20.000	19.797	1.0	101	0.00
7 M	Trichlorofluoromethane	20.000	18.709	6.5	96	0.00
8 T	Diethyl Ether	20.000	18.774	6.1	98	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.960	5.2	97	0.00
10 M	1,1-Dichloroethene	20.000	18.956	5.2	97	0.00
11	Methyl Iodide	20.000	16.041	19.8	88	0.00
12	Methyl Acetate	20.000	19.812	0.9	101	0.00
13 M	Acrolein	100.000	125.310	-25.3	126	0.00
14 M	Acrylonitrile	100.000	100.788	-0.8	101	0.00
15 M	Acetone	100.000	99.511	0.5	99	0.00
16 M	Carbon Disulfide	20.000	19.168	4.2	98	0.00
17	Allyl chloride	20.000	18.953	5.2	97	0.00
18 M	Methylene Chloride	20.000	19.733	1.3	101	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.330	3.4	98	0.00
20 T	Diisopropyl ether	20.000	19.624	1.9	98	0.00
21 M	1,1-Dichloroethane	20.000	19.563	2.2	99	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.127	4.4	99	0.00
23 M	tert-Butyl Alcohol	100.000	90.176	9.8	89	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.423	2.9	98	0.00
25 M	Chloroform	20.000	19.415	2.9	100	0.00
26	Cyclohexane	20.000	18.713	6.4	96	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.326	-7.8	103	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29	1,1-Dichloropropene	20.000	18.947	5.3	100	0.00
30 M	2-Butanone	100.000	96.651	3.3	99	0.00
31	2,2-Dichloropropane	20.000	18.902	5.5	97	0.00
32 M	1,1,1-Trichloroethane	20.000	18.769	6.2	97	0.00
33 M	Carbon Tetrachloride	20.000	17.797	11.0	93	0.00
34 M	Benzene	20.000	18.656	6.7	97	0.00
35	Methacrylonitrile	20.000	19.329	3.4	101	0.00
36 M	1,2-Dichloroethane	20.000	19.661	1.7	100	0.00
37 M	Trichloroethene	20.000	18.252	8.7	95	0.00
38	Methylcyclohexane	20.000	18.116	9.4	94	0.00
39 M	1,2-Dichloropropane	20.000	18.573	7.1	97	0.00
40	Dibromomethane	20.000	18.527	7.4	97	0.00
41 M	Bromodichloromethane	20.000	18.201	9.0	96	0.00
42 M	Vinyl Acetate	100.000	99.453	0.5	99	0.00
43	Ethyl Acetate	20.000	17.990	10.1	101	0.00
44	Isopropyl Acetate	20.000	18.859	5.7	98	0.00
45 T	1,4-Dioxane	400.000	317.557	20.6	80	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	18.921	5.4	98	0.00
47	n-amyl Acetate	20.000	18.735	6.3	99	0.00
48 M	t-1,3-Dichloropropene	20.000	18.048	9.8	95	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.234	8.8	95	0.00
50 M	1,1,2-Trichloroethane	20.000	18.414	7.9	96	0.00
51	Ethyl methacrylate	20.000	18.314	8.4	97	0.00
52	1,3-Dichloropropane	20.000	18.972	5.1	98	0.00
53 M	Dibromochloromethane	20.000	17.654	11.7	93	0.00
54 M	1,2-Dibromoethane	20.000	18.576	7.1	97	0.00
55 M	2-Chloroethyl vinyl ether	100.000	94.155	5.8	95	0.00
56 M	Bromoform	20.000	16.061	19.7	86	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	100.000	99.734	0.3	99	0.00
59 M	2-Hexanone	100.000	97.175	2.8	98	0.00
60 S	4-Bromofluorobenzene	30.000	30.769	-2.6	102	0.00
61 M	Tetrachloroethene	20.000	18.082	9.6	94	0.00
62 M	Toluene	20.000	18.902	5.5	98	0.00
63 S	Toluene-d8	30.000	30.470	-1.6	100	0.00
64 M	Chlorobenzene	20.000	18.582	7.1	98	0.00
65	1,1,1,2-Tetrachloroethane	20.000	17.624	11.9	94	0.00
66 M	Ethyl Benzene	20.000	19.341	3.3	100	0.00
67 M	m/p-Xylenes	40.000	37.142	7.1	97	0.00
68 M	o-Xylene	20.000	18.254	8.7	95	0.00
69 M	Styrene	20.000	18.450	7.8	96	0.00
70	Isopropylbenzene	20.000	18.885	5.6	97	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.923	5.4	100	0.00
72	1,2,3-Trichloropropane	20.000	18.841	5.8	97	0.00
73	Bromobenzene	20.000	17.947	10.3	96	0.00
74	n-propylbenzene	20.000	19.099	4.5	98	0.00
75	2-Chlorotoluene	20.000	18.881	5.6	97	0.00
76	1,3,5-Trimethylbenzene	20.000	18.478	7.6	95	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.865	15.7	89	0.00
78	4-Chlorotoluene	20.000	19.227	3.9	99	0.00
79	tert-butylbenzene	20.000	17.923	10.4	93	0.00
80	1,2,4-Trimethylbenzene	20.000	18.583	7.1	96	0.00
81	sec-Butylbenzene	20.000	18.451	7.7	96	0.00
82	p-Isopropyltoluene	20.000	18.366	8.2	97	0.00
83 M	1,3-Dichlorobenzene	20.000	18.343	8.3	99	0.00
84 M	1,4-Dichlorobenzene	20.000	18.349	8.3	98	0.00
85	n-Butylbenzene	20.000	18.382	8.1	96	0.00
86 T	Hexachloroethane	20.000	16.779	16.1	91	0.00
87 M	1,2-Dichlorobenzene	20.000	17.556	12.2	93	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.544	12.3	91	0.00
89	1,2,4-Trichlorobenzene	20.000	17.302	13.5	97	0.00
90	Hexachlorobutadiene	20.000	13.146	34.3#	76	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	18.366	8.2	95	0.00
92	1,2,3-Trichlorobenzene	20.000	16.831	15.8	92	0.00

(#) = Out of Range

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