

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX050120\
 Data File : VX016026.D
 Acq On : 01 May 2020 20:49
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 02 08:16:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 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	107	0.00
2 M	Dichlorodifluoromethane	20.000	18.239	8.8	96	0.00
3 M	Chloromethane	20.000	18.758	6.2	102	0.00
4 M	Vinyl Chloride	20.000	18.163	9.2	101	0.00
5 M	Bromomethane	20.000	19.658	1.7	97	0.00
6 M	Chloroethane	20.000	17.751	11.2	98	0.00
7 M	Trichlorofluoromethane	20.000	16.918	15.4	94	0.00
8 T	Diethyl Ether	20.000	17.300	13.5	99	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	17.604	12.0	101	0.00
10 M	1,1-Dichloroethene	20.000	18.255	8.7	103	0.00
11	Methyl Iodide	20.000	17.320	13.4	103	0.00
12	Methyl Acetate	20.000	19.730	1.3	109	0.00
13 M	Acrolein	100.000	86.270	13.7	114	0.00
14 M	Acrylonitrile	100.000	95.211	4.8	110	0.00
15 M	Acetone	100.000	99.695	0.3	116	0.00
16 M	Carbon Disulfide	20.000	18.066	9.7	104	0.00
17	Allyl chloride	20.000	17.949	10.3	102	0.00
18 M	Methylene Chloride	20.000	18.688	6.6	107	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.168	9.2	105	0.00
20 T	Diisopropyl ether	20.000	18.317	8.4	106	0.00
21 M	1,1-Dichloroethane	20.000	18.171	9.1	104	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.465	7.7	108	0.00
23 M	tert-Butyl Alcohol	100.000	95.116	4.9	109	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.497	7.5	106	0.00
25 M	Chloroform	20.000	17.966	10.2	103	0.00
26	Cyclohexane	20.000	17.756	11.2	102	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.820	0.6	103	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	106	0.00
29	1,1-Dichloropropene	20.000	17.821	10.9	103	0.00
30 M	2-Butanone	100.000	96.059	3.9	109	0.00
31	2,2-Dichloropropane	20.000	15.557	22.2	88	0.00
32 M	1,1,1-Trichloroethane	20.000	17.711	11.4	100	0.00
33 M	Carbon Tetrachloride	20.000	17.609	12.0	101	0.00
34 M	Benzene	20.000	18.484	7.6	105	0.00
35	Methacrylonitrile	20.000	18.887	5.6	108	0.00
36 M	1,2-Dichloroethane	20.000	17.985	10.1	102	0.00
37 M	Trichloroethene	20.000	17.786	11.1	97	0.00
38	Methylcyclohexane	20.000	17.320	13.4	100	0.00
39 M	1,2-Dichloropropane	20.000	18.526	7.4	106	0.00
40	Dibromomethane	20.000	18.019	9.9	102	0.00
41 M	Bromodichloromethane	20.000	17.877	10.6	105	0.00
42 M	Vinyl Acetate	100.000	90.648	9.4	105	0.00
43	Ethyl Acetate	20.000	18.745	6.3	106	0.00
44	Isopropyl Acetate	20.000	18.455	7.7	105	0.00
45 T	1,4-Dioxane	400.000	370.857	7.3	107	0.00

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 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
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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	18.288	8.6	106	0.00
47	n-amyl Acetate	20.000	17.523	12.4	103	0.00
48 M	t-1,3-Dichloropropene	20.000	17.605	12.0	104	0.00
49 T	cis-1,3-Dichloropropene	20.000	17.757	11.2	102	0.00
50 M	1,1,2-Trichloroethane	20.000	18.117	9.4	105	0.00
51	Ethyl methacrylate	20.000	18.104	9.5	108	0.00
52	1,3-Dichloropropane	20.000	18.548	7.3	106	0.00
53 M	Dibromochloromethane	20.000	17.494	12.5	104	0.00
54 M	1,2-Dibromoethane	20.000	18.072	9.6	106	0.00
55 M	2-Chloroethyl vinyl ether	100.000	86.363	13.6	104	0.00
56 M	Bromoform	20.000	16.596	17.0	102	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	107	0.00
58 M	4-Methyl-2-Pentanone	100.000	93.135	6.9	107	0.00
59 M	2-Hexanone	100.000	92.784	7.2	108	0.00
60 S	4-Bromofluorobenzene	30.000	29.204	2.7	105	0.00
61 M	Tetrachloroethene	20.000	17.650	11.8	97	0.00
62 M	Toluene	20.000	18.073	9.6	105	0.00
63 S	Toluene-d8	30.000	30.176	-0.6	106	0.00
64 M	Chlorobenzene	20.000	17.693	11.5	103	0.00
65	1,1,1,2-Tetrachloroethane	20.000	17.246	13.8	102	0.00
66 M	Ethyl Benzene	20.000	17.910	10.4	104	0.00
67 M	m/p-Xylenes	40.000	35.209	12.0	104	0.00
68 M	o-Xylene	20.000	17.534	12.3	104	0.00
69 M	Styrene	20.000	17.388	13.1	104	0.00
70	Isopropylbenzene	20.000	17.309	13.5	102	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.272	3.6	142	0.00
72	1,2,3-Trichloropropane	20.000	18.100	9.5	106	0.00
73	Bromobenzene	20.000	17.433	12.8	103	0.00
74	n-propylbenzene	20.000	17.220	13.9	102	0.00
75	2-Chlorotoluene	20.000	17.426	12.9	103	0.00
76	1,3,5-Trimethylbenzene	20.000	17.236	13.8	104	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.807	16.0	102	0.00
78	4-Chlorotoluene	20.000	17.272	13.6	103	0.00
79	tert-butylbenzene	20.000	17.327	13.4	105	0.00
80	1,2,4-Trimethylbenzene	20.000	17.315	13.4	103	0.00
81	sec-Butylbenzene	20.000	16.965	15.2	102	0.00
82	p-Isopropyltoluene	20.000	16.654	16.7	100	0.00
83 M	1,3-Dichlorobenzene	20.000	17.235	13.8	104	0.00
84 M	1,4-Dichlorobenzene	20.000	17.483	12.6	106	0.00
85	n-Butylbenzene	20.000	16.299	18.5	99	0.00
86 T	Hexachloroethane	20.000	16.611	16.9	104	0.00
87 M	1,2-Dichlorobenzene	20.000	17.449	12.8	103	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.901	10.5	109	0.00
89	1,2,4-Trichlorobenzene	20.000	17.080	14.6	102	0.00
90	Hexachlorobutadiene	20.000	16.749	16.3	97	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	17.932	10.3	106	0.00
92	1,2,3-Trichlorobenzene	20.000	17.661	11.7	106	0.00

(#) = Out of Range

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