

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020320\
 Data File : VX014797.D
 Acq On : 03 Feb 2020 16:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Feb 03 18:18:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 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	134	0.00
2 M	Dichlorodifluoromethane	20.000	38.060	-90.3#	253	0.00
3 M	Chloromethane	20.000	33.992	-70.0#	228	0.00
4 M	Vinyl Chloride	20.000	35.460	-77.3#	239	0.00
5 M	Bromomethane	20.000	35.528	-77.6#	286	0.00
6 M	Chloroethane	20.000	33.981	-69.9#	226	0.00
7 M	Trichlorofluoromethane	20.000	37.222	-86.1#	263	0.00
8 T	Diethyl Ether	20.000	35.957	-79.8#	257	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	38.419	-92.1#	266	0.00
10 M	1,1-Dichloroethene	20.000	36.174	-80.9#	257	0.00
11	Methyl Iodide	20.000	37.484	-87.4#	274	0.00
12	Methyl Acetate	20.000	37.315	-86.6#	256	0.00
13 M	Acrolein	100.000	203.204	-103.2#	284	0.00
14 M	Acrylonitrile	100.000	178.915	-78.9#	245	0.00
15 M	Acetone	100.000	137.876	-37.9#	181	0.00
16 M	Carbon Disulfide	20.000	32.814	-64.1#	236	0.00
17	Allyl chloride	20.000	35.477	-77.4#	254	0.00
18 M	Methylene Chloride	20.000	35.892	-79.5#	249	0.00
19 M	trans-1,2-Dichloroethene	20.000	36.038	-80.2#	255	0.00
20 T	Diisopropyl ether	20.000	37.161	-85.8#	260	0.00
21 M	1,1-Dichloroethane	20.000	36.781	-83.9#	258	0.00
22 M	cis-1,2-Dichloroethene	20.000	36.433	-82.2#	260	-0.01
23 M	tert-Butyl Alcohol	100.000	163.235	-63.2#	234	-0.02
24 M	Methyl tert-Butyl Ether	20.000	37.773	-88.9#	266	0.00
25 M	Chloroform	20.000	37.103	-85.5#	262	-0.01
26	Cyclohexane	20.000	36.271	-81.4#	257	0.00
27 s	1,2-Dichloroethane-d4	30.000	33.145	-10.5	149	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	151	0.00
29	1,1-Dichloropropene	20.000	33.531	-67.7#	266	0.00
30 M	2-Butanone	100.000	150.237	-50.2#	229	-0.01
31	2,2-Dichloropropane	20.000	35.320	-76.6#	283	0.00
32 M	1,1,1-Trichloroethane	20.000	34.048	-70.2#	273	0.00
33 M	Carbon Tetrachloride	20.000	34.749	-73.7#	280	0.00
34 M	Benzene	20.000	32.397	-62.0#	252	0.00
35	Methacrylonitrile	20.000	32.737	-63.7#	255	0.00
36 M	1,2-Dichloroethane	20.000	33.561	-67.8#	261	0.00
37 M	Trichloroethene	20.000	33.035	-65.2#	259	-0.01
38	Methylcyclohexane	20.000	34.335	-71.7#	271	0.00
39 M	1,2-Dichloropropane	20.000	33.267	-66.3#	261	0.00
40	Dibromomethane	20.000	33.104	-65.5#	263	0.00
41 M	Bromodichloromethane	20.000	34.636	-73.2#	280	0.00
42 M	Vinyl Acetate	100.000	169.706	-69.7#	268	0.00
43	Ethyl Acetate	20.000	31.761	-58.8#	243	-0.01
44	Isopropyl Acetate	20.000	33.089	-65.4#	262	0.00
45 T	1,4-Dioxane	400.000	582.352	-45.6#	221	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	33.359	-66.8#	265	0.00
47	n-amyl Acetate	20.000	34.872	-74.4#	293	0.00
48 M	t-1,3-Dichloropropene	20.000	35.384	-76.9#	287	0.00
49 T	cis-1,3-Dichloropropene	20.000	34.384	-71.9#	277	0.00
50 M	1,1,2-Trichloroethane	20.000	33.478	-67.4#	260	0.00
51	Ethyl methacrylate	20.000	33.811	-69.1#	280	0.00
52	1,3-Dichloropropane	20.000	33.300	-66.5#	263	0.00
53 M	Dibromochloromethane	20.000	35.367	-76.8#	290	0.00
54 M	1,2-Dibromoethane	20.000	33.287	-66.4#	260	0.00
55 M	2-Chloroethyl vinyl ether	100.000	126.460	-26.5	203	0.00
56 M	Bromoform	20.000	35.755	-78.8#	293	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	155	0.00
58 M	4-Methyl-2-Pentanone	100.000	162.165	-62.2#	255	0.00
59 M	2-Hexanone	100.000	160.222	-60.2#	251	0.00
60 S	4-Bromofluorobenzene	30.000	29.952	0.2	155	0.00
61 M	Tetrachloroethene	20.000	31.892	-59.5#	252	0.00
62 M	Toluene	20.000	32.993	-65.0#	262	0.00
63 S	Toluene-d8	30.000	29.164	2.8	148	0.00
64 M	Chlorobenzene	20.000	33.567	-67.8#	268	0.00
65	1,1,1,2-Tetrachloroethane	20.000	34.070	-70.3#	272	0.00
66 M	Ethyl Benzene	20.000	34.209	-71.0#	276	0.00
67 M	m/p-Xylenes	40.000	67.818	-69.5#	272	0.00
68 M	o-Xylene	20.000	33.664	-68.3#	272	0.00
69 M	Styrene	20.000	34.150	-70.7#	279	0.00
70	Isopropylbenzene	20.000	34.639	-73.2#	281	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	32.881	-64.4#	263	0.00
72	1,2,3-Trichloropropane	20.000	33.493	-67.5#	269	0.00
73	Bromobenzene	20.000	33.598	-68.0#	272	0.00
74	n-propylbenzene	20.000	35.142	-75.7#	288	0.00
75	2-Chlorotoluene	20.000	33.890	-69.5#	276	0.00
76	1,3,5-Trimethylbenzene	20.000	35.066	-75.3#	284	0.00
77	t-1,4-Dichloro-2-butene	20.000	35.259	-76.3#	308	0.00
78	4-Chlorotoluene	20.000	34.420	-72.1#	282	0.00
79	tert-butylbenzene	20.000	35.747	-78.7#	293	0.00
80	1,2,4-Trimethylbenzene	20.000	34.932	-74.7#	281	0.00
81	sec-Butylbenzene	20.000	35.426	-77.1#	293	0.00
82	p-Isopropyltoluene	20.000	35.829	-79.1#	293	0.00
83 M	1,3-Dichlorobenzene	20.000	34.273	-71.4#	281	0.00
84 M	1,4-Dichlorobenzene	20.000	34.743	-73.7#	291	0.00
85	n-Butylbenzene	20.000	35.931	-79.7#	309	0.00
86 T	Hexachloroethane	20.000	35.926	-79.6#	307	0.00
87 M	1,2-Dichlorobenzene	20.000	33.926	-69.6#	277	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	33.783	-68.9#	278	0.00
89	1,2,4-Trichlorobenzene	20.000	35.562	-77.8#	301	0.00
90	Hexachlorobutadiene	20.000	36.706	-83.5#	307	0.00

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	Compound	Amount	Calc.	%Dev	Area	% Dev(min)
91 M	Naphthalene	20.000	35.151	-75.8#	290	0.00
92	1,2,3-Trichlorobenzene	20.000	35.727	-78.6#	300	0.00

(#) = Out of Range

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