

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX102819\
 Data File : VX013240.D
 Acq On : 28 Oct 2019 11:45
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 29 14:19:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 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	109	0.00
2 M	Dichlorodifluoromethane	20.000	17.725	11.4	96	0.00
3 M	Chloromethane	20.000	15.762	21.2	88	0.00
4 M	Vinyl Chloride	20.000	15.898	20.5	89	0.00
5 M	Bromomethane	20.000	18.547	7.3	90	0.00
6 M	Chloroethane	20.000	16.897	15.5	92	0.00
7 M	Trichlorofluoromethane	20.000	17.925	10.4	99	0.00
8 T	Diethyl Ether	20.000	17.375	13.1	98	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	17.594	12.0	101	0.00
10 M	1,1-Dichloroethene	20.000	17.359	13.2	97	0.00
11	Methyl Iodide	20.000	13.933	30.3#	82	0.00
12	Methyl Acetate	20.000	15.598	22.0	85	0.00
13 M	Acrolein	100.000	69.332	30.7#	73	0.00
14 M	Acrylonitrile	100.000	79.075	20.9	86	0.00
15 M	Acetone	100.000	98.252	1.7	102	0.00
16 M	Carbon Disulfide	20.000	16.338	18.3	93	0.00
17	Allyl chloride	20.000	16.204	19.0	91	0.00
18 M	Methylene Chloride	20.000	16.068	19.7	91	0.00
19 M	trans-1,2-Dichloroethene	20.000	17.265	13.7	96	0.00
20 T	Diisopropyl ether	20.000	16.578	17.1	91	0.00
21 M	1,1-Dichloroethane	20.000	16.953	15.2	95	0.00
22 M	cis-1,2-Dichloroethene	20.000	16.890	15.5	93	0.00
23 M	tert-Butyl Alcohol	100.000	80.635	19.4	89	0.00
24 M	Methyl tert-Butyl Ether	20.000	17.362	13.2	98	0.00
25 M	Chloroform	20.000	17.741	11.3	99	0.00
26	Cyclohexane	20.000	16.457	17.7	93	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.321	-1.1	111	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	108	0.00
29	1,1-Dichloropropene	20.000	17.955	10.2	96	0.00
30 M	2-Butanone	100.000	88.223	11.8	92	-0.01
31	2,2-Dichloropropane	20.000	18.718	6.4	102	0.00
32 M	1,1,1-Trichloroethane	20.000	18.962	5.2	103	0.00
33 M	Carbon Tetrachloride	20.000	19.065	4.7	104	0.00
34 M	Benzene	20.000	17.611	11.9	93	0.00
35	Methacrylonitrile	20.000	16.980	15.1	92	0.00
36 M	1,2-Dichloroethane	20.000	18.404	8.0	97	0.00
37 M	Trichloroethene	20.000	18.404	8.0	99	0.00
38	Methylcyclohexane	20.000	17.787	11.1	98	0.00
39 M	1,2-Dichloropropane	20.000	17.132	14.3	91	0.00
40	Dibromomethane	20.000	18.091	9.5	96	0.00
41 M	Bromodichloromethane	20.000	18.399	8.0	99	0.00
42 M	Vinyl Acetate	100.000	85.927	14.1	91	0.00
43	Ethyl Acetate	20.000	16.646	16.8	91	0.00
44	Isopropyl Acetate	20.000	17.329	13.4	92	0.00
45 T	1,4-Dioxane	400.000	336.136	16.0	87	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	17.014	14.9	91	0.00
47	n-amyl Acetate	20.000	16.548	17.3	93	0.00
48 M	t-1,3-Dichloropropene	20.000	18.400	8.0	103	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.214	8.9	99	0.00
50 M	1,1,2-Trichloroethane	20.000	17.714	11.4	94	0.00
51	Ethyl methacrylate	20.000	17.580	12.1	97	0.00
52	1,3-Dichloropropane	20.000	17.841	10.8	95	0.00
53 M	Dibromochloromethane	20.000	18.742	6.3	104	0.00
54 M	1,2-Dibromoethane	20.000	18.117	9.4	96	0.00
55 M	2-Chloroethyl vinyl ether	100.000	86.050	14.0	94	0.00
56 M	Bromoform	20.000	18.456	7.7	106	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	109	0.00
58 M	4-Methyl-2-Pentanone	100.000	83.160	16.8	88	0.00
59 M	2-Hexanone	100.000	84.174	15.8	90	0.00
60 S	4-Bromofluorobenzene	30.000	30.108	-0.4	110	0.00
61 M	Tetrachloroethene	20.000	19.289	3.6	100	0.00
62 M	Toluene	20.000	17.757	11.2	96	0.00
63 S	Toluene-d8	30.000	29.849	0.5	106	0.00
64 M	Chlorobenzene	20.000	17.771	11.1	98	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.559	7.2	101	0.00
66 M	Ethyl Benzene	20.000	17.950	10.3	99	0.00
67 M	m/p-Xylenes	40.000	35.450	11.4	97	0.00
68 M	o-Xylene	20.000	17.981	10.1	102	0.00
69 M	Styrene	20.000	17.681	11.6	97	0.00
70	Isopropylbenzene	20.000	17.987	10.1	99	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	17.132	14.3	96	0.00
72	1,2,3-Trichloropropane	20.000	19.961	0.2	99	0.00
73	Bromobenzene	20.000	17.577	12.1	100	0.00
74	n-propylbenzene	20.000	17.460	12.7	97	0.00
75	2-Chlorotoluene	20.000	17.023	14.9	94	0.00
76	1,3,5-Trimethylbenzene	20.000	17.552	12.2	99	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.561	17.2	97	0.00
78	4-Chlorotoluene	20.000	17.692	11.5	100	0.00
79	tert-butylbenzene	20.000	17.827	10.9	103	0.00
80	1,2,4-Trimethylbenzene	20.000	18.780	6.1	106	0.00
81	sec-Butylbenzene	20.000	17.604	12.0	98	0.00
82	p-Isopropyltoluene	20.000	17.649	11.8	100	0.00
83 M	1,3-Dichlorobenzene	20.000	17.615	11.9	101	0.00
84 M	1,4-Dichlorobenzene	20.000	17.517	12.4	100	0.00
85	n-Butylbenzene	20.000	17.216	13.9	100	0.00
86 T	Hexachloroethane	20.000	16.929	15.4	98	0.00
87 M	1,2-Dichlorobenzene	20.000	17.172	14.1	95	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.002	15.0	93	0.00
89	1,2,4-Trichlorobenzene	20.000	17.962	10.2	104	0.00
90	Hexachlorobutadiene	20.000	18.468	7.7	110	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	16.821	15.9	95	0.00
92	1,2,3-Trichlorobenzene	20.000	17.506	12.5	100	0.00

(#) = Out of Range

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