

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX040919\
 Data File : VX008760.D
 Acq On : 09 Apr 2019 09:48
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 09 14:08:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 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	90	0.00
2 M	Dichlorodifluoromethane	20.000	17.800	11.0	79	0.00
3 M	Chloromethane	20.000	17.308	13.5	77	0.00
4 M	Vinyl Chloride	20.000	17.073	14.6	77	0.00
5 M	Bromomethane	20.000	16.873	15.6	83	0.00
6 M	Chloroethane	20.000	15.888	20.6	76	0.00
7 M	Trichlorofluoromethane	20.000	18.367	8.2	82	0.00
8 T	Diethyl Ether	20.000	17.892	10.5	79	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.364	8.2	84	0.00
10 M	1,1-Dichloroethene	20.000	17.943	10.3	81	0.00
11	Methyl Iodide	20.000	14.965	25.2	75	0.00
12	Methyl Acetate	20.000	19.155	4.2	86	0.00
13 M	Acrolein	100.000	115.210	-15.2	106	0.00
14 M	Acrylonitrile	100.000	99.722	0.3	91	0.00
15 M	Acetone	100.000	102.591	-2.6	84	0.00
16 M	Carbon Disulfide	20.000	17.311	13.4	79	0.00
17	Allyl chloride	20.000	19.487	2.6	90	0.00
18 M	Methylene Chloride	20.000	18.744	6.3	84	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.714	6.4	85	0.00
20 T	Diisopropyl ether	20.000	19.990	0.1	91	0.00
21 M	1,1-Dichloroethane	20.000	19.340	3.3	87	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.167	4.2	88	0.00
23 M	tert-Butyl Alcohol	100.000	94.865	5.1	87	0.01
24 M	Methyl tert-Butyl Ether	20.000	19.465	2.7	88	0.00
25 M	Chloroform	20.000	19.386	3.1	87	0.00
26	Cyclohexane	20.000	19.309	3.5	89	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.890	0.4	88	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	89	0.00
29	1,1-Dichloropropene	20.000	19.046	4.8	87	0.00
30 M	2-Butanone	100.000	105.273	-5.3	92	0.00
31	2,2-Dichloropropane	20.000	20.144	-0.7	93	0.00
32 M	1,1,1-Trichloroethane	20.000	19.414	2.9	88	0.00
33 M	Carbon Tetrachloride	20.000	19.404	3.0	89	0.00
34 M	Benzene	20.000	19.367	3.2	87	0.00
35	Methacrylonitrile	20.000	19.928	0.4	92	0.00
36 M	1,2-Dichloroethane	20.000	19.285	3.6	87	0.00
37 M	Trichloroethene	20.000	19.834	0.8	91	0.00
38	Methylcyclohexane	20.000	19.565	2.2	90	0.00
39 M	1,2-Dichloropropane	20.000	19.195	4.0	87	0.00
40	Dibromomethane	20.000	18.632	6.8	85	0.00
41 M	Bromodichloromethane	20.000	19.015	4.9	87	0.00
42 M	Vinyl Acetate	100.000	99.414	0.6	89	0.00
43	Ethyl Acetate	20.000	20.444	-2.2	90	0.00
44	Isopropyl Acetate	20.000	19.695	1.5	90	0.00
45 T	1,4-Dioxane	400.000	355.322	11.2	79	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	19.529	2.4	90	0.00
47	n-amyl Acetate	20.000	18.397	8.0	87	0.00
48 M	t-1,3-Dichloropropene	20.000	18.805	6.0	90	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.045	4.8	89	0.00
50 M	1,1,2-Trichloroethane	20.000	19.224	3.9	90	0.00
51	Ethyl methacrylate	20.000	18.570	7.1	87	0.00
52	1,3-Dichloropropane	20.000	19.198	4.0	87	0.00
53 M	Dibromochloromethane	20.000	18.789	6.1	89	0.00
54 M	1,2-Dibromoethane	20.000	19.008	5.0	87	0.00
55 M	2-Chloroethyl vinyl ether	100.000	101.187	-1.2	102	0.00
56 M	Bromoform	20.000	18.652	6.7	92	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	89	0.00
58 M	4-Methyl-2-Pentanone	100.000	101.836	-1.8	91	0.00
59 M	2-Hexanone	100.000	101.982	-2.0	88	0.00
60 S	4-Bromofluorobenzene	30.000	29.405	2.0	88	0.00
61 M	Tetrachloroethene	20.000	21.965	-9.8	98	0.00
62 M	Toluene	20.000	19.509	2.5	87	0.00
63 S	Toluene-d8	30.000	30.407	-1.4	88	0.00
64 M	Chlorobenzene	20.000	19.441	2.8	88	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.845	0.8	91	0.00
66 M	Ethyl Benzene	20.000	19.033	4.8	86	0.00
67 M	m/p-Xylenes	40.000	37.635	5.9	85	0.00
68 M	o-Xylene	20.000	18.751	6.2	84	0.00
69 M	Styrene	20.000	18.624	6.9	86	0.00
70	Isopropylbenzene	20.000	19.174	4.1	87	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.922	5.4	86	0.00
72	1,2,3-Trichloropropane	20.000	19.924	0.4	87	0.00
73	Bromobenzene	20.000	18.878	5.6	87	0.00
74	n-propylbenzene	20.000	18.807	6.0	86	0.00
75	2-Chlorotoluene	20.000	18.753	6.2	85	0.00
76	1,3,5-Trimethylbenzene	20.000	18.975	5.1	87	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.828	5.9	94	0.00
78	4-Chlorotoluene	20.000	18.362	8.2	86	0.00
79	tert-butylbenzene	20.000	19.316	3.4	88	0.00
80	1,2,4-Trimethylbenzene	20.000	19.057	4.7	87	0.00
81	sec-Butylbenzene	20.000	18.986	5.1	87	0.00
82	p-Isopropyltoluene	20.000	19.316	3.4	88	0.00
83 M	1,3-Dichlorobenzene	20.000	18.976	5.1	89	0.00
84 M	1,4-Dichlorobenzene	20.000	18.777	6.1	88	0.00
85	n-Butylbenzene	20.000	18.687	6.6	88	0.00
86 T	Hexachloroethane	20.000	18.862	5.7	90	0.00
87 M	1,2-Dichlorobenzene	20.000	18.619	6.9	86	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.902	10.5	81	0.00
89	1,2,4-Trichlorobenzene	20.000	18.621	6.9	88	0.00
90	Hexachlorobutadiene	20.000	20.212	-1.1	94	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	17.997	10.0	80	0.00
92	1,2,3-Trichlorobenzene	20.000	18.702	6.5	85	0.00

(#) = Out of Range

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