

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX031519\
 Data File : VX008102.D
 Acq On : 15 Mar 2019 12:20
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 15 14:36:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 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	97	0.00
2 M	Dichlorodifluoromethane	20.000	18.432	7.8	88	0.00
3 M	Chloromethane	20.000	14.824	25.9	73	0.00
4 M	Vinyl Chloride	20.000	15.495	22.5	80	0.00
5 M	Bromomethane	20.000	19.673	1.6	89	0.00
6 M	Chloroethane	20.000	16.410	17.9	82	0.00
7 M	Trichlorofluoromethane	20.000	17.916	10.4	93	0.00
8 T	Diethyl Ether	20.000	17.751	11.2	86	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.775	1.1	97	0.00
10 M	1,1-Dichloroethene	20.000	19.011	4.9	92	0.00
11	Methyl Iodide	20.000	19.165	4.2	93	0.00
12	Methyl Acetate	20.000	15.395	23.0	78	0.00
13 M	Acrolein	100.000	76.467	23.5	81	0.00
14 M	Acrylonitrile	100.000	83.229	16.8	79	0.00
15 M	Acetone	100.000	76.853	23.1	65	0.00
16 M	Carbon Disulfide	20.000	17.168	14.2	83	0.00
17	Allyl chloride	20.000	15.537	22.3	76	0.00
18 M	Methylene Chloride	20.000	17.930	10.4	87	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.347	3.3	94	0.00
20 T	Diisopropyl ether	20.000	17.273	13.6	83	0.00
21 M	1,1-Dichloroethane	20.000	18.400	8.0	89	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.198	4.0	94	0.00
23 M	tert-Butyl Alcohol	100.000	87.273	12.7	81	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.064	9.7	88	0.00
25 M	Chloroform	20.000	19.180	4.1	93	0.00
26	Cyclohexane	20.000	18.139	9.3	89	0.00
27 s	1,2-Dichloroethane-d4	30.000	27.730	7.6	90	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	96	0.00
29	1,1-Dichloropropene	20.000	19.344	3.3	92	0.00
30 M	2-Butanone	100.000	85.733	14.3	75	0.00
31	2,2-Dichloropropane	20.000	20.445	-2.2	101	0.00
32 M	1,1,1-Trichloroethane	20.000	19.976	0.1	96	0.00
33 M	Carbon Tetrachloride	20.000	19.987	0.1	97	0.00
34 M	Benzene	20.000	19.216	3.9	91	0.00
35	Methacrylonitrile	20.000	17.445	12.8	82	0.00
36 M	1,2-Dichloroethane	20.000	19.172	4.1	90	0.00
37 M	Trichloroethene	20.000	20.793	-4.0	100	0.00
38	Methylcyclohexane	20.000	19.803	1.0	97	0.00
39 M	1,2-Dichloropropane	20.000	18.810	6.0	90	0.00
40	Dibromomethane	20.000	19.453	2.7	93	0.00
41 M	Bromodichloromethane	20.000	18.805	6.0	91	0.00
42 M	Vinyl Acetate	100.000	88.128	11.9	82	0.00
43	Ethyl Acetate	20.000	17.373	13.1	82	0.00
44	Isopropyl Acetate	20.000	17.357	13.2	83	0.00
45 T	1,4-Dioxane	400.000	400.212	-0.1	90	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	17.183	14.1	81	0.00
47	n-amyl Acetate	20.000	16.801	16.0	79	0.00
48 M	t-1,3-Dichloropropene	20.000	18.492	7.5	92	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.930	5.4	93	0.00
50 M	1,1,2-Trichloroethane	20.000	19.663	1.7	93	0.00
51	Ethyl methacrylate	20.000	18.575	7.1	88	0.00
52	1,3-Dichloropropane	20.000	19.237	3.8	90	0.00
53 M	Dibromochloromethane	20.000	19.663	1.7	95	0.00
54 M	1,2-Dibromoethane	20.000	19.997	0.0	93	0.00
55 M	2-Chloroethyl vinyl ether	100.000	88.329	11.7	87	0.00
56 M	Bromoform	20.000	19.474	2.6	96	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	100.000	90.216	9.8	81	0.00
59 M	2-Hexanone	100.000	88.816	11.2	77	0.00
60 S	4-Bromofluorobenzene	30.000	29.620	1.3	94	0.00
61 M	Tetrachloroethene	20.000	22.654	-13.3	106	0.00
62 M	Toluene	20.000	19.536	2.3	92	0.00
63 S	Toluene-d8	30.000	29.537	1.5	94	0.00
64 M	Chlorobenzene	20.000	20.157	-0.8	94	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.548	-2.7	98	0.00
66 M	Ethyl Benzene	20.000	19.651	1.7	94	0.00
67 M	m/p-Xylenes	40.000	40.255	-0.6	95	0.00
68 M	o-Xylene	20.000	20.009	-0.0	95	0.00
69 M	Styrene	20.000	19.729	1.4	93	0.00
70	Isopropylbenzene	20.000	20.425	-2.1	96	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.251	3.7	88	0.00
72	1,2,3-Trichloropropane	20.000	19.922	0.4	91	0.00
73	Bromobenzene	20.000	20.943	-4.7	98	0.00
74	n-propylbenzene	20.000	19.847	0.8	94	0.00
75	2-Chlorotoluene	20.000	19.910	0.4	93	0.00
76	1,3,5-Trimethylbenzene	20.000	20.679	-3.4	97	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.607	7.0	93	0.00
78	4-Chlorotoluene	20.000	19.953	0.2	94	0.00
79	tert-butylbenzene	20.000	20.990	-4.9	99	0.00
80	1,2,4-Trimethylbenzene	20.000	20.762	-3.8	98	0.00
81	sec-Butylbenzene	20.000	20.305	-1.5	97	0.00
82	p-Isopropyltoluene	20.000	20.990	-4.9	99	0.00
83 M	1,3-Dichlorobenzene	20.000	21.168	-5.8	102	0.00
84 M	1,4-Dichlorobenzene	20.000	20.678	-3.4	98	0.00
85	n-Butylbenzene	20.000	19.692	1.5	96	0.00
86 T	Hexachloroethane	20.000	19.714	1.4	98	0.00
87 M	1,2-Dichlorobenzene	20.000	20.902	-4.5	99	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.389	8.1	86	0.00
89	1,2,4-Trichlorobenzene	20.000	20.932	-4.7	100	0.00
90	Hexachlorobutadiene	20.000	21.287	-6.4	99	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	20.378	-1.9	96	0.00
92	1,2,3-Trichlorobenzene	20.000	21.328	-6.6	102	0.00

(#) = Out of Range

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