

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072018\
 Data File : VX003498.D
 Acq On : 20 Jul 2018 09:20
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 20 11:45:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 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	112	-0.01
2 M	Dichlorodifluoromethane	20.000	12.089	39.6#	62	0.00
3 M	Chloromethane	20.000	15.022	24.9	78	0.00
4 M	Vinyl Chloride	20.000	15.386	23.1	81	0.00
5 M	Bromomethane	20.000	22.607	-13.0	117	0.00
6 M	Chloroethane	20.000	16.373	18.1	88	0.00
7 M	Trichlorofluoromethane	20.000	15.739	21.3	83	0.00
8 T	Diethyl Ether	20.000	17.097	14.5	94	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	17.184	14.1	94	0.00
10 M	1,1-Dichloroethene	20.000	17.242	13.8	94	0.00
11	Methyl Iodide	20.000	19.987	0.1	115	0.00
12	Methyl Acetate	20.000	14.759	26.2	76	-0.01
13 M	Acrolein	100.000	65.441	34.6#	74	-0.01
14 M	Acrylonitrile	100.000	82.602	17.4	90	-0.01
15 M	Acetone	100.000	87.782	12.2	95	-0.01
16 M	Carbon Disulfide	20.000	16.248	18.8	93	0.00
17	Allyl chloride	20.000	16.848	15.8	92	0.00
18 M	Methylene Chloride	20.000	16.948	15.3	95	-0.01
19 M	trans-1,2-Dichloroethene	20.000	17.121	14.4	96	0.00
20 T	Diisopropyl ether	20.000	17.654	11.7	93	-0.01
21 M	1,1-Dichloroethane	20.000	16.693	16.5	89	0.00
22 M	cis-1,2-Dichloroethene	20.000	17.615	11.9	104	0.00
23 M	tert-Butyl Alcohol	100.000	79.699	20.3	84	-0.02
24 M	Methyl tert-Butyl Ether	20.000	17.408	13.0	96	-0.02
25 M	Chloroform	20.000	17.953	10.2	100	0.00
26	Cyclohexane	20.000	17.633	11.8	100	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.945	0.2	106	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	102	0.00
29	1,1-Dichloropropene	20.000	19.238	3.8	100	0.00
30 M	2-Butanone	100.000	91.890	8.1	94	-0.01
31	2,2-Dichloropropane	20.000	19.568	2.2	108	0.00
32 M	1,1,1-Trichloroethane	20.000	19.797	1.0	103	0.00
33 M	Carbon Tetrachloride	20.000	19.002	5.0	98	-0.01
34 M	Benzene	20.000	19.764	1.2	99	0.00
35	Methacrylonitrile	20.000	18.360	8.2	94	-0.01
36 M	1,2-Dichloroethane	20.000	19.360	3.2	96	0.00
37 M	Trichloroethene	20.000	19.541	2.3	98	0.00
38	Methylcyclohexane	20.000	18.794	6.0	97	0.00
39 M	1,2-Dichloropropane	20.000	18.474	7.6	92	0.00
40	Dibromomethane	20.000	18.493	7.5	92	0.00
41 M	Bromodichloromethane	20.000	17.966	10.2	91	0.00
42 M	Vinyl Acetate	100.000	92.759	7.2	91	0.00
43	Ethyl Acetate	20.000	18.272	8.6	95	-0.02
44	Isopropyl Acetate	20.000	17.743	11.3	89	-0.02
45 T	1,4-Dioxane	400.000	344.873	13.8	83	-0.01

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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
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	16.834	15.8	84	0.00
47	n-amyl Acetate	20.000	15.088	24.6	78	0.00
48 M	t-1,3-Dichloropropene	20.000	18.340	8.3	94	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.331	8.3	95	0.00
50 M	1,1,2-Trichloroethane	20.000	19.008	5.0	95	0.00
51	Ethyl methacrylate	20.000	17.518	12.4	91	0.00
52	1,3-Dichloropropane	20.000	18.733	6.3	92	0.00
53 M	Dibromochloromethane	20.000	18.206	9.0	94	0.00
54 M	1,2-Dibromoethane	20.000	18.600	7.0	93	0.00
55 M	2-Chloroethyl vinyl ether	100.000	95.135	4.9	90	0.00
56 M	Bromoform	20.000	18.360	8.2	98	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	106	0.00
58 M	4-Methyl-2-Pentanone	100.000	82.390	17.6	84	0.00
59 M	2-Hexanone	100.000	80.769	19.2	82	0.00
60 S	4-Bromofluorobenzene	30.000	30.097	-0.3	108	0.00
61 M	Tetrachloroethene	20.000	19.981	0.1	103	0.00
62 M	Toluene	20.000	17.958	10.2	94	0.00
63 S	Toluene-d8	30.000	29.912	0.3	104	0.00
64 M	Chlorobenzene	20.000	18.075	9.6	97	0.00
65	1,1,1,2-Tetrachloroethane	20.000	17.795	11.0	96	0.00
66 M	Ethyl Benzene	20.000	17.730	11.3	96	0.00
67 M	m/p-Xylenes	40.000	35.671	10.8	96	0.00
68 M	o-Xylene	20.000	17.735	11.3	95	0.00
69 M	Styrene	20.000	17.823	10.9	97	0.00
70	Isopropylbenzene	20.000	17.977	10.1	95	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	16.649	16.8	86	0.00
72	1,2,3-Trichloropropane	20.000	12.754	36.2#	67	0.00
73	Bromobenzene	20.000	18.027	9.9	97	0.00
74	n-propylbenzene	20.000	17.859	10.7	95	0.00
75	2-Chlorotoluene	20.000	17.683	11.6	93	0.00
76	1,3,5-Trimethylbenzene	20.000	17.845	10.8	96	0.00
77	t-1,4-Dichloro-2-butene	20.000	15.923	20.4	90	0.00
78	4-Chlorotoluene	20.000	17.428	12.9	94	0.00
79	tert-butylbenzene	20.000	17.768	11.2	96	0.00
80	1,2,4-Trimethylbenzene	20.000	17.782	11.1	94	0.00
81	sec-Butylbenzene	20.000	17.779	11.1	96	0.00
82	p-Isopropyltoluene	20.000	17.768	11.2	96	0.00
83 M	1,3-Dichlorobenzene	20.000	17.829	10.9	98	0.00
84 M	1,4-Dichlorobenzene	20.000	17.856	10.7	95	0.00
85	n-Butylbenzene	20.000	17.219	13.9	94	0.00
86 T	Hexachloroethane	20.000	16.143	19.3	94	0.00
87 M	1,2-Dichlorobenzene	20.000	17.745	11.3	93	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	14.774	26.1	76	0.00
89	1,2,4-Trichlorobenzene	20.000	17.225	13.9	89	0.00
90	Hexachlorobutadiene	20.000	17.459	12.7	92	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	16.237	18.8	81	0.00
92	1,2,3-Trichlorobenzene	20.000	17.131	14.3	87	0.00

(#) = Out of Range

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