

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121219\
 Data File : VX013996.D
 Acq On : 13 Dec 2019 00:54
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX121219

Quant Time: Dec 13 02:20:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 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	101	0.00
2 M	Dichlorodifluoromethane	20.000	18.967	5.2	99	0.00
3 M	Chloromethane	20.000	20.029	-0.1	101	0.00
4 M	Vinyl Chloride	20.000	19.128	4.4	99	0.00
5 M	Bromomethane	20.000	20.947	-4.7	111	0.00
6 M	Chloroethane	20.000	19.127	4.4	101	0.00
7 M	Trichlorofluoromethane	20.000	19.280	3.6	99	0.00
8 T	Diethyl Ether	20.000	18.905	5.5	98	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.117	4.4	100	0.00
10 M	1,1-Dichloroethene	20.000	19.779	1.1	104	0.00
11	Methyl Iodide	20.000	15.593	22.0	86	0.00
12	Methyl Acetate	20.000	19.215	3.9	98	0.00
13 M	Acrolein	100.000	107.525	-7.5	103	0.00
14 M	Acrylonitrile	100.000	97.416	2.6	102	0.00
15 M	Acetone	100.000	87.237	12.8	93	0.00
16 M	Carbon Disulfide	20.000	20.755	-3.8	111	0.00
17	Allyl chloride	20.000	19.304	3.5	100	0.00
18 M	Methylene Chloride	20.000	19.866	0.7	103	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.124	-0.6	106	0.00
20 T	Diisopropyl ether	20.000	19.120	4.4	98	0.00
21 M	1,1-Dichloroethane	20.000	19.095	4.5	99	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.572	2.1	102	0.00
23 M	tert-Butyl Alcohol	100.000	98.108	1.9	101	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.263	3.7	100	0.00
25 M	Chloroform	20.000	19.356	3.2	99	0.00
26	Cyclohexane	20.000	19.339	3.3	99	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.724	0.9	100	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29	1,1-Dichloropropene	20.000	19.854	0.7	102	0.00
30 M	2-Butanone	100.000	96.393	3.6	100	0.00
31	2,2-Dichloropropane	20.000	19.098	4.5	98	0.00
32 M	1,1,1-Trichloroethane	20.000	19.616	1.9	102	0.00
33 M	Carbon Tetrachloride	20.000	19.235	3.8	100	0.00
34 M	Benzene	20.000	19.559	2.2	99	0.00
35	Methacrylonitrile	20.000	19.540	2.3	99	0.00
36 M	1,2-Dichloroethane	20.000	19.611	1.9	102	0.00
37 M	Trichloroethene	20.000	19.368	3.2	100	0.00
38	Methylcyclohexane	20.000	19.852	0.7	103	0.00
39 M	1,2-Dichloropropane	20.000	19.464	2.7	100	0.00
40	Dibromomethane	20.000	20.315	-1.6	104	0.00
41 M	Bromodichloromethane	20.000	18.824	5.9	99	0.00
42 M	Vinyl Acetate	100.000	101.292	-1.3	102	0.00
43	Ethyl Acetate	20.000	19.997	0.0	103	0.00
44	Isopropyl Acetate	20.000	19.271	3.6	102	0.00
45 T	1,4-Dioxane	400.000	406.289	-1.6	99	0.00

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	19.449	2.8	101	0.00
47	n-amyl Acetate	20.000	18.827	5.9	100	0.00
48 M	t-1,3-Dichloropropene	20.000	19.075	4.6	105	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.144	4.3	102	0.00
50 M	1,1,2-Trichloroethane	20.000	19.269	3.7	98	0.00
51	Ethyl methacrylate	20.000	19.272	3.6	102	0.00
52	1,3-Dichloropropane	20.000	19.380	3.1	98	0.00
53 M	Dibromochloromethane	20.000	18.918	5.4	101	0.00
54 M	1,2-Dibromoethane	20.000	19.629	1.9	102	0.00
55 M	2-Chloroethyl vinyl ether	100.000	99.912	0.1	102	0.00
56 M	Bromoform	20.000	18.308	8.5	102	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	100.000	97.506	2.5	99	0.00
59 M	2-Hexanone	100.000	96.499	3.5	99	0.00
60 S	4-Bromofluorobenzene	30.000	29.510	1.6	99	0.00
61 M	Tetrachloroethene	20.000	18.806	6.0	99	0.00
62 M	Toluene	20.000	19.514	2.4	99	0.00
63 S	Toluene-d8	30.000	30.143	-0.5	99	0.00
64 M	Chlorobenzene	20.000	19.629	1.9	100	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.191	4.0	101	0.00
66 M	Ethyl Benzene	20.000	19.641	1.8	100	0.00
67 M	m/p-Xylenes	40.000	39.370	1.6	100	0.00
68 M	o-Xylene	20.000	19.341	3.3	99	0.00
69 M	Styrene	20.000	19.192	4.0	101	0.00
70	Isopropylbenzene	20.000	19.665	1.7	101	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.288	3.6	98	0.00
72	1,2,3-Trichloropropane	20.000	19.895	0.5	101	0.00
73	Bromobenzene	20.000	19.235	3.8	100	0.00
74	n-propylbenzene	20.000	19.481	2.6	101	0.00
75	2-Chlorotoluene	20.000	19.494	2.5	100	0.00
76	1,3,5-Trimethylbenzene	20.000	19.415	2.9	100	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.328	8.4	105	0.00
78	4-Chlorotoluene	20.000	19.162	4.2	99	0.00
79	tert-butylbenzene	20.000	19.687	1.6	101	0.00
80	1,2,4-Trimethylbenzene	20.000	19.474	2.6	100	0.00
81	sec-Butylbenzene	20.000	19.241	3.8	100	0.00
82	p-Isopropyltoluene	20.000	19.450	2.8	102	0.00
83 M	1,3-Dichlorobenzene	20.000	19.600	2.0	104	0.00
84 M	1,4-Dichlorobenzene	20.000	19.232	3.8	101	0.00
85	n-Butylbenzene	20.000	18.906	5.5	104	0.00
86 T	Hexachloroethane	20.000	18.368	8.2	104	0.00
87 M	1,2-Dichlorobenzene	20.000	19.310	3.5	103	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.456	7.7	97	0.00
89	1,2,4-Trichlorobenzene	20.000	19.222	3.9	107	0.00
90	Hexachlorobutadiene	20.000	19.318	3.4	103	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	19.544	2.3	108	0.00
92	1,2,3-Trichlorobenzene	20.000	19.010	4.9	106	0.00

(#) = Out of Range

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