

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012519\
 Data File : VX007221.D
 Acq On : 25 Jan 2019 11:20
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV020

Quant Time: Jan 28 10:41:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	101	0.00
2 M	Dichlorodifluoromethane	1.347	1.342	0.4	112	0.00
3 M	Chloromethane	1.506	1.608	-6.8	113	0.00
4 M	Vinyl Chloride	1.708	1.761	-3.1	110	0.00
5 M	Bromomethane	1.781	1.439	19.2	86	0.00
6 M	Chloroethane	1.151	1.129	1.9	108	0.01
7 M	Trichlorofluoromethane	2.884	2.900	-0.6	108	0.00
8 T	Diethyl Ether	1.090	1.104	-1.3	108	0.00
9	1,1,2-Trichlorotrifluoroeth	1.704	1.749	-2.6	112	0.00
10 M	1,1-Dichloroethene	1.548	1.553	-0.3	107	0.00
11	Methyl Iodide	2.512	2.054	18.2	88	0.00
12	Methyl Acetate	2.637	2.646	-0.3	106	0.00
13 M	Acrolein	0.191	0.183	4.2	110	0.00
14 M	Acrylonitrile	0.987	1.010	-2.3	106	0.00
15 M	Acetone	0.281	0.304	-8.2	110	0.00
16 M	Carbon Disulfide	3.734	3.717	0.5	113	0.00
17	Allyl chloride	2.692	2.748	-2.1	109	0.00
18 M	Methylene Chloride	1.785	1.819	-1.9	106	0.00
19 M	trans-1,2-Dichloroethene	1.677	1.685	-0.5	109	0.00
20 T	Diisopropyl ether	5.012	5.044	-0.6	105	0.00
21 M	1,1-Dichloroethane	2.863	2.991	-4.5	109	0.00
22 M	cis-1,2-Dichloroethene	1.844	1.845	-0.1	106	0.00
23 M	tert-Butyl Alcohol	0.415	0.471	-13.5	117	-0.01
24 M	Methyl tert-Butyl Ether	5.423	5.534	-2.0	108	0.00
25 M	Chloroform	2.959	2.928	1.0	103	0.00
26	Cyclohexane	2.411	2.480	-2.9	111	0.00
27 s	1,2-Dichloroethane-d4	1.969	2.000	-1.6	103	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
29	1,1-Dichloropropene	0.391	0.391	0.0	107	0.00
30 M	2-Butanone	0.234	0.243	-3.8	106	0.00
31	2,2-Dichloropropane	0.395	0.390	1.3	109	0.00
32 M	1,1,1-Trichloroethane	0.462	0.448	3.0	105	0.00
33 M	Carbon Tetrachloride	0.406	0.397	2.2	110	0.00
34 M	Benzene	1.206	1.181	2.1	104	0.00
35	Methacrylonitrile	0.239	0.243	-1.7	108	0.00
36 M	1,2-Dichloroethane	0.416	0.410	1.4	105	0.00
37 M	Trichloroethene	0.356	0.353	0.8	106	0.00
38	Methylcyclohexane	0.496	0.500	-0.8	114	0.00
39 M	1,2-Dichloropropane	0.303	0.301	0.7	107	0.00
40	Dibromomethane	0.218	0.220	-0.9	109	0.00
41 M	Bromodichloromethane	0.382	0.361	5.5	106	0.00
42 M	Vinyl Acetate	0.792	0.777	1.9	107	0.00
43	Ethyl Acetate	0.436	0.425	2.5	104	0.00
44	Isopropyl Acetate	0.681	0.673	1.2	109	0.00
45 T	1,4-Dioxane	0.008	0.009#	-12.5	109	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.348	0.340	2.3	105	0.00
47	n-amyl Acetate	0.599	0.631	-5.3	114	0.00
48 M	t-1,3-Dichloropropene	0.417	0.403	3.4	111	0.00
49 T	cis-1,3-Dichloropropene	0.463	0.451	2.6	108	0.00
50 M	1,1,2-Trichloroethane	0.327	0.328	-0.3	107	0.00
51	Ethyl methacrylate	0.467	0.464	0.6	108	0.00
52	1,3-Dichloropropane	0.524	0.517	1.3	106	0.00
53 M	Dibromochloromethane	0.331	0.314	5.1	106	0.00
54 M	1,2-Dibromoethane	0.352	0.346	1.7	104	0.00
55 M	2-Chloroethyl vinyl ether	0.257	0.251	2.3	103	0.00
56 M	Bromoform	0.251	0.235	6.4	109	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
58 M	4-Methyl-2-Pentanone	0.502	0.504	-0.4	105	0.00
59 M	2-Hexanone	0.388	0.398	-2.6	105	0.00
60 S	4-Bromofluorobenzene	0.463	0.479	-3.5	107	0.00
61 M	Tetrachloroethene	0.418	0.398	4.8	97	0.00
62 M	Toluene	1.510	1.482	1.9	106	0.00
63 S	Toluene-d8	1.352	1.327	1.8	102	0.00
64 M	Chlorobenzene	0.996	1.008	-1.2	110	0.00
65	1,1,1,2-Tetrachloroethane	0.353	0.342	3.1	108	0.00
66 M	Ethyl Benzene	1.636	1.645	-0.6	109	0.00
67 M	m/p-Xylenes	0.646	0.645	0.2	108	0.00
68 M	o-Xylene	0.633	0.638	-0.8	109	0.00
69 M	Styrene	1.021	1.029	-0.8	110	0.00
70	Isopropylbenzene	1.676	1.702	-1.6	109	0.00
71 M	1,1,2,2-Tetrachloroethane	0.536	0.550	-2.6	110	0.00
72	1,2,3-Trichloropropane	0.504	0.450	10.7	94	0.00
73	Bromobenzene	0.464	0.467	-0.6	109	0.00
74	n-propylbenzene	1.886	1.935	-2.6	111	0.00
75	2-Chlorotoluene	1.118	1.141	-2.1	109	0.00
76	1,3,5-Trimethylbenzene	1.399	1.426	-1.9	110	0.00
77	t-1,4-Dichloro-2-butene	0.147	0.132	10.2	112	0.00
78	4-Chlorotoluene	1.302	1.322	-1.5	110	0.00
79	tert-butylbenzene	1.513	1.564	-3.4	113	0.00
80	1,2,4-Trimethylbenzene	1.416	1.447	-2.2	109	0.00
81	sec-Butylbenzene	1.686	1.754	-4.0	112	0.00
82	p-Isopropyltoluene	1.513	1.564	-3.4	113	0.00
83 M	1,3-Dichlorobenzene	0.824	0.853	-3.5	112	0.00
84 M	1,4-Dichlorobenzene	0.825	0.850	-3.0	111	0.00
85	n-Butylbenzene	1.299	1.312	-1.0	115	0.00
86 T	Hexachloroethane	0.234	0.219	6.4	110	0.00
87 M	1,2-Dichlorobenzene	0.821	0.850	-3.5	112	0.00
88	1,2-Dibromo-3-Chloropropane	0.109	0.115	-5.5	119	0.00
89	1,2,4-Trichlorobenzene	0.564	0.622	-10.3	124	0.00
90	Hexachlorobutadiene	0.269	0.284	-5.6	119	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.706	1.883	-10.4	122	0.00
92	1,2,3-Trichlorobenzene	0.559	0.616	-10.2	121	0.00

(#) = Out of Range

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