

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX031819\
 Data File : VX008165.D
 Acq On : 18 Mar 2019 14:28
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031819

Quant Time: Mar 19 03:09:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 14:34:46 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	103	0.00
2 M	Dichlorodifluoromethane	1.344	1.314	2.2	103	0.00
3 M	Chloromethane	1.694	1.596	5.8	102	0.00
4 M	Vinyl Chloride	1.747	1.625	7.0	100	0.00
5 M	Bromomethane	1.568	1.089	30.5#	101	0.00
6 M	Chloroethane	1.092	1.009	7.6	103	0.00
7 M	Trichlorofluoromethane	2.200	2.045	7.0	103	0.00
8 T	Diethyl Ether	1.188	1.143	3.8	100	0.00
9	1,1,2-Trichlorotrifluoroeth	1.492	1.490	0.1	106	0.00
10 M	1,1-Dichloroethene	1.410	1.380	2.1	103	0.00
11	Methyl Iodide	1.794	1.707	4.8	108	0.00
12	Methyl Acetate	2.307	2.231	3.3	100	0.00
13 M	Acrolein	0.355	0.330	7.0	105	0.00
14 M	Acrylonitrile	1.024	0.979	4.4	100	0.00
15 M	Acetone	0.329	0.293	10.9	85	0.00
16 M	Carbon Disulfide	4.494	4.308	4.1	102	0.00
17	Allyl chloride	3.081	2.927	5.0	103	0.00
18 M	Methylene Chloride	1.643	1.585	3.5	101	0.00
19 M	trans-1,2-Dichloroethene	1.514	1.480	2.2	103	0.00
20 T	Diisopropyl ether	6.034	5.838	3.2	102	0.00
21 M	1,1-Dichloroethane	3.079	2.997	2.7	102	0.00
22 M	cis-1,2-Dichloroethene	1.727	1.660	3.9	101	0.00
23 M	tert-Butyl Alcohol	0.377	0.359	4.8	100	0.00
24 M	Methyl tert-Butyl Ether	5.114	4.913	3.9	102	0.00
25 M	Chloroform	2.905	2.829	2.6	101	0.00
26	Cyclohexane	2.936	2.878	2.0	106	0.00
27 s	1,2-Dichloroethane-d4	2.495	2.518	-0.9	101	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
29	1,1-Dichloropropene	0.399	0.387	3.0	103	0.00
30 M	2-Butanone	0.280	0.263	6.1	93	0.00
31	2,2-Dichloropropane	0.403	0.390	3.2	104	0.00
32 M	1,1,1-Trichloroethane	0.423	0.412	2.6	103	0.00
33 M	Carbon Tetrachloride	0.355	0.342	3.7	104	0.00
34 M	Benzene	1.194	1.167	2.3	102	0.00
35	Methacrylonitrile	0.272	0.262	3.7	101	0.00
36 M	1,2-Dichloroethane	0.433	0.418	3.5	99	0.00
37 M	Trichloroethene	0.285	0.276	3.2	103	0.00
38	Methylcyclohexane	0.485	0.484	0.2	107	0.00
39 M	1,2-Dichloropropane	0.325	0.320	1.5	103	0.00
40	Dibromomethane	0.199	0.193	3.0	102	0.00
41 M	Bromodichloromethane	0.385	0.367	4.7	101	0.00
42 M	Vinyl Acetate	0.941	0.914	2.9	103	0.00
43	Ethyl Acetate	0.496	0.493	0.6	103	0.00
44	Isopropyl Acetate	0.770	0.741	3.8	103	0.00
45 T	1,4-Dioxane	0.007	0.007#	0.0	101	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.406	0.388	4.4	101	0.00
47	n-amyl Acetate	0.658	0.633	3.8	101	0.00
48 M	t-1,3-Dichloropropene	0.425	0.396	6.8	102	0.00
49 T	cis-1,3-Dichloropropene	0.473	0.442	6.6	101	0.00
50 M	1,1,2-Trichloroethane	0.286	0.288	-0.7	106	0.00
51	Ethyl methacrylate	0.463	0.441	4.8	101	0.00
52	1,3-Dichloropropane	0.512	0.507	1.0	102	0.00
53 M	Dibromochloromethane	0.276	0.259	6.2	99	0.00
54 M	1,2-Dibromoethane	0.298	0.293	1.7	100	0.00
55 M	2-Chloroethyl vinyl ether	0.330	0.337	-2.1	104	0.00
56 M	Bromoform	0.199	0.186	6.5	101	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	0.574	0.572	0.3	101	0.00
59 M	2-Hexanone	0.453	0.439	3.1	95	0.00
60 S	4-Bromofluorobenzene	0.501	0.511	-2.0	102	0.00
61 M	Tetrachloroethene	0.302	0.300	0.7	103	0.00
62 M	Toluene	1.419	1.390	2.0	102	0.00
63 S	Toluene-d8	1.458	1.456	0.1	100	0.00
64 M	Chlorobenzene	0.844	0.835	1.1	102	0.00
65	1,1,1,2-Tetrachloroethane	0.296	0.286	3.4	102	0.00
66 M	Ethyl Benzene	1.515	1.478	2.4	103	0.00
67 M	m/p-Xylenes	0.560	0.541	3.4	102	0.00
68 M	o-Xylene	0.538	0.528	1.9	103	0.00
69 M	Styrene	0.876	0.852	2.7	102	0.00
70	Isopropylbenzene	1.451	1.433	1.2	104	0.00
71 M	1,1,2,2-Tetrachloroethane	0.508	0.512	-0.8	102	0.00
72	1,2,3-Trichloropropane	0.438	0.448	-2.3	101	0.00
73	Bromobenzene	0.343	0.334	2.6	102	0.00
74	n-propylbenzene	1.717	1.683	2.0	104	0.00
75	2-Chlorotoluene	1.009	0.997	1.2	103	0.00
76	1,3,5-Trimethylbenzene	1.199	1.190	0.8	104	0.00
77	t-1,4-Dichloro-2-butene	0.157	0.144	8.3	100	0.00
78	4-Chlorotoluene	1.162	1.137	2.2	104	0.00
79	tert-butylbenzene	1.221	1.215	0.5	106	0.00
80	1,2,4-Trimethylbenzene	1.211	1.202	0.7	105	0.00
81	sec-Butylbenzene	1.432	1.425	0.5	105	0.00
82	p-Isopropyltoluene	1.221	1.215	0.5	106	0.00
83 M	1,3-Dichlorobenzene	0.615	0.603	2.0	103	0.00
84 M	1,4-Dichlorobenzene	0.611	0.607	0.7	107	0.00
85	n-Butylbenzene	1.152	1.112	3.5	107	0.00
86 T	Hexachloroethane	0.209	0.201	3.8	104	0.00
87 M	1,2-Dichlorobenzene	0.613	0.605	1.3	103	0.00
88	1,2-Dibromo-3-Chloropropane	0.113	0.106	6.2	101	0.00
89	1,2,4-Trichlorobenzene	0.399	0.388	2.8	106	0.00
90	Hexachlorobutadiene	0.207	0.207	0.0	110	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.294	1.247	3.6	104	0.00
92	1,2,3-Trichlorobenzene	0.399	0.393	1.5	107	0.00

(#) = Out of Range

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