

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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	101	0.00
2 M	Dichlorodifluoromethane	1.515	1.437	5.1	99	0.00
3 M	Chloromethane	2.136	2.139	-0.1	101	0.00
4 M	Vinyl Chloride	2.190	2.094	4.4	99	0.00
5 M	Bromomethane	1.601	1.676	-4.7	111	0.00
6 M	Chloroethane	1.352	1.293	4.4	101	0.00
7 M	Trichlorofluoromethane	2.725	2.626	3.6	99	0.00
8 T	Diethyl Ether	1.252	1.184	5.4	98	0.00
9	1,1,2-Trichlorotrifluoroeth	1.625	1.553	4.4	100	0.00
10 M	1,1-Dichloroethene	1.680	1.661	1.1	104	0.00
11	Methyl Iodide	2.163	1.686	22.1	86	0.00
12	Methyl Acetate	2.601	2.499	3.9	98	0.00
13 M	Acrolein	0.315	0.339	-7.6	103	0.00
14 M	Acrylonitrile	1.017	0.990	2.7	102	0.00
15 M	Acetone	0.299	0.261	12.7	93	0.00
16 M	Carbon Disulfide	4.551	4.723	-3.8	111	0.00
17	Allyl chloride	3.019	2.914	3.5	100	0.00
18 M	Methylene Chloride	2.058	2.045	0.6	103	0.00
19 M	trans-1,2-Dichloroethene	1.840	1.851	-0.6	106	0.00
20 T	Diisopropyl ether	6.194	5.922	4.4	98	0.00
21 M	1,1-Dichloroethane	3.362	3.210	4.5	99	0.00
22 M	cis-1,2-Dichloroethene	2.133	2.087	2.2	102	0.00
23 M	tert-Butyl Alcohol	0.399	0.391	2.0	101	0.00
24 M	Methyl tert-Butyl Ether	5.675	5.466	3.7	100	0.00
25 M	Chloroform	3.205	3.102	3.2	99	0.00
26	Cyclohexane	2.998	2.899	3.3	99	0.00
27 s	1,2-Dichloroethane-d4	2.149	2.129	0.9	100	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.433	0.430	0.7	102	0.00
30 M	2-Butanone	0.255	0.246	3.5	100	0.00
31	2,2-Dichloropropane	0.401	0.383	4.5	98	0.00
32 M	1,1,1-Trichloroethane	0.479	0.470	1.9	102	0.00
33 M	Carbon Tetrachloride	0.407	0.392	3.7	100	0.00
34 M	Benzene	1.351	1.321	2.2	99	0.00
35	Methacrylonitrile	0.275	0.268	2.5	99	0.00
36 M	1,2-Dichloroethane	0.469	0.460	1.9	102	0.00
37 M	Trichloroethene	0.368	0.356	3.3	100	0.00
38	Methylcyclohexane	0.517	0.513	0.8	103	0.00
39 M	1,2-Dichloropropane	0.351	0.342	2.6	100	0.00
40	Dibromomethane	0.224	0.228	-1.8	104	0.00
41 M	Bromodichloromethane	0.434	0.409	5.8	99	0.00
42 M	Vinyl Acetate	0.902	0.913	-1.2	102	0.00
43	Ethyl Acetate	0.490	0.490	0.0	103	0.00
44	Isopropyl Acetate	0.821	0.791	3.7	102	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	99	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.399	0.388	2.8	101	0.00
47	n-amyl Acetate	0.730	0.687	5.9	100	0.00
48 M	t-1,3-Dichloropropene	0.474	0.452	4.6	105	0.00
49 T	cis-1,3-Dichloropropene	0.533	0.510	4.3	102	0.00
50 M	1,1,2-Trichloroethane	0.346	0.333	3.8	98	0.00
51	Ethyl methacrylate	0.550	0.530	3.6	102	0.00
52	1,3-Dichloropropane	0.588	0.570	3.1	98	0.00
53 M	Dibromochloromethane	0.346	0.327	5.5	101	0.00
54 M	1,2-Dibromoethane	0.356	0.350	1.7	102	0.00
55 M	2-Chloroethyl vinyl ether	0.243	0.242	0.4	102	0.00
56 M	Bromoform	0.270	0.247	8.5	102	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	0.561	0.547	2.5	99	0.00
59 M	2-Hexanone	0.426	0.411	3.5	99	0.00
60 S	4-Bromofluorobenzene	0.484	0.477	1.4	99	0.00
61 M	Tetrachloroethene	0.397	0.373	6.0	99	0.00
62 M	Toluene	1.596	1.557	2.4	99	0.00
63 S	Toluene-d8	1.341	1.347	-0.4	99	0.00
64 M	Chlorobenzene	1.000	0.981	1.9	100	0.00
65	1,1,1,2-Tetrachloroethane	0.370	0.355	4.1	101	0.00
66 M	Ethyl Benzene	1.746	1.715	1.8	100	0.00
67 M	m/p-Xylenes	0.667	0.657	1.5	100	0.00
68 M	o-Xylene	0.661	0.639	3.3	99	0.00
69 M	Styrene	1.125	1.079	4.1	101	0.00
70	Isopropylbenzene	1.709	1.680	1.7	101	0.00
71 M	1,1,2,2-Tetrachloroethane	0.606	0.584	3.6	98	0.00
72	1,2,3-Trichloropropane	0.539	0.537	0.4	101	0.00
73	Bromobenzene	0.456	0.439	3.7	100	0.00
74	n-propylbenzene	1.938	1.888	2.6	101	0.00
75	2-Chlorotoluene	1.171	1.141	2.6	100	0.00
76	1,3,5-Trimethylbenzene	1.450	1.407	3.0	100	0.00
77	t-1,4-Dichloro-2-butene	0.178	0.163	8.4	105	0.00
78	4-Chlorotoluene	1.338	1.282	4.2	99	0.00
79	tert-butylbenzene	1.397	1.375	1.6	101	0.00
80	1,2,4-Trimethylbenzene	1.449	1.411	2.6	100	0.00
81	sec-Butylbenzene	1.662	1.599	3.8	100	0.00
82	p-Isopropyltoluene	1.500	1.459	2.7	102	0.00
83 M	1,3-Dichlorobenzene	0.795	0.779	2.0	104	0.00
84 M	1,4-Dichlorobenzene	0.792	0.761	3.9	101	0.00
85	n-Butylbenzene	1.261	1.192	5.5	104	0.00
86 T	Hexachloroethane	0.272	0.250	8.1	104	0.00
87 M	1,2-Dichlorobenzene	0.808	0.780	3.5	103	0.00
88	1,2-Dibromo-3-Chloropropane	0.121	0.111	8.3	97	0.00
89	1,2,4-Trichlorobenzene	0.516	0.496	3.9	107	0.00
90	Hexachlorobutadiene	0.245	0.237	3.3	103	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
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	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.551	1.516	2.3	108	0.00
92	1,2,3-Trichlorobenzene	0.524	0.498	5.0	106	0.00

(#) = Out of Range

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