

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX090420\
 Data File : VX018254.D
 Acq On : 04 Sep 2020 12:36
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090420

Quant Time: Sep 05 06:43:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 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	109	0.01
2 M	Dichlorodifluoromethane	1.587	1.525	3.9	112	0.00
3 M	Chloromethane	1.686	1.637	2.9	113	0.00
4 M	Vinyl Chloride	1.776	1.686	5.1	111	0.00
5 M	Bromomethane	1.208	1.241	-2.7	109	0.00
6 M	Chloroethane	1.079	0.999	7.4	106	0.00
7 M	Trichlorofluoromethane	3.009	2.902	3.6	114	0.00
8 T	Diethyl Ether	0.949	0.880	7.3	108	0.00
9	1,1,2-Trichlorotrifluoroeth	1.537	1.492	2.9	112	0.00
10 M	1,1-Dichloroethene	1.509	1.461	3.2	113	0.00
11	Methyl Iodide	1.623	1.290	20.5	115	0.00
12	Methyl Acetate	1.987	1.908	4.0	110	0.00
13 M	Acrolein	0.160	0.134	16.2	110	0.00
14 M	Acrylonitrile	0.900	0.841	6.6	110	0.00
15 M	Acetone	0.245	0.236	3.7	111	0.00
16 M	Carbon Disulfide	4.394	4.225	3.8	111	0.00
17	Allyl chloride	2.697	2.511	6.9	110	0.00
18 M	Methylene Chloride	1.771	1.654	6.6	107	0.00
19 M	trans-1,2-Dichloroethene	1.676	1.616	3.6	114	0.00
20 T	Diisopropyl ether	5.340	5.076	4.9	109	0.00
21 M	1,1-Dichloroethane	3.065	2.942	4.0	110	0.00
22 M	cis-1,2-Dichloroethene	1.854	1.773	4.4	110	0.00
23 M	tert-Butyl Alcohol	0.390	0.357	8.5	111	0.00
24 M	Methyl tert-Butyl Ether	5.365	5.108	4.8	112	0.00
25 M	Chloroform	3.271	3.110	4.9	110	0.00
26	Cyclohexane	2.474	2.371	4.2	115	-0.01
27 s	1,2-Dichloroethane-d4	2.367	2.347	0.8	106	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
29	1,1-Dichloropropene	0.458	0.446	2.6	117	0.00
30 M	2-Butanone	0.251	0.233	7.2	110	0.00
31	2,2-Dichloropropane	0.553	0.540	2.4	116	0.00
32 M	1,1,1-Trichloroethane	0.599	0.570	4.8	112	0.00
33 M	Carbon Tetrachloride	0.559	0.523	6.4	110	0.00
34 M	Benzene	1.307	1.200	8.2	108	0.00
35	Methacrylonitrile	0.264	0.246	6.8	112	0.00
36 M	1,2-Dichloroethane	0.541	0.508	6.1	111	0.00
37 M	Trichloroethene	0.378	0.366	3.2	117	0.00
38	Methylcyclohexane	0.488	0.470	3.7	122	0.00
39 M	1,2-Dichloropropane	0.350	0.318	9.1	106	0.00
40	Dibromomethane	0.253	0.237	6.3	110	0.00
41 M	Bromodichloromethane	0.524	0.488	6.9	111	0.00
42 M	Vinyl Acetate	0.935	0.886	5.2	112	0.00
43	Ethyl Acetate	0.499	0.436	12.6	103	0.00
44	Isopropyl Acetate	0.804	0.729	9.3	109	0.00
45 T	1,4-Dioxane	0.007	0.006#	14.3	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX090420\
 Data File : VX018254.D
 Acq On : 04 Sep 2020 12:36
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090420

Quant Time: Sep 05 06:43:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 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	0.395	0.357	9.6	114	0.00
47	n-amyl Acetate	0.706	0.640	9.3	114	0.00
48 M	t-1,3-Dichloropropene	0.563	0.538	4.4	116	0.00
49 T	cis-1,3-Dichloropropene	0.591	0.552	6.6	111	0.00
50 M	1,1,2-Trichloroethane	0.352	0.328	6.8	109	0.00
51	Ethyl methacrylate	0.510	0.453	11.2	110	0.00
52	1,3-Dichloropropane	0.585	0.537	8.2	109	0.00
53 M	Dibromochloromethane	0.438	0.404	7.8	113	0.00
54 M	1,2-Dibromoethane	0.386	0.361	6.5	113	0.00
55 M	2-Chloroethyl vinyl ether	0.267	0.255	4.5	115	0.00
56 M	Bromoform	0.333	0.305	8.4	116	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
58 M	4-Methyl-2-Pentanone	0.516	0.482	6.6	108	0.00
59 M	2-Hexanone	0.391	0.369	5.6	111	0.00
60 S	4-Bromofluorobenzene	0.520	0.528	-1.5	110	0.00
61 M	Tetrachloroethene	0.374	0.363	2.9	112	0.00
62 M	Toluene	1.510	1.452	3.8	113	0.00
63 S	Toluene-d8	1.322	1.339	-1.3	108	0.00
64 M	Chlorobenzene	0.970	0.914	5.8	109	0.00
65	1,1,1,2-Tetrachloroethane	0.393	0.371	5.6	112	0.00
66 M	Ethyl Benzene	1.668	1.599	4.1	114	0.00
67 M	m/p-Xylenes	0.638	0.618	3.1	114	0.00
68 M	o-Xylene	0.603	0.580	3.8	117	0.00
69 M	Styrene	1.052	0.996	5.3	113	0.00
70	Isopropylbenzene	1.676	1.593	5.0	113	0.00
71 M	1,1,2,2-Tetrachloroethane	0.548	0.513	6.4	110	0.00
72	1,2,3-Trichloropropane	0.526	0.503	4.4	111	0.00
73	Bromobenzene	0.459	0.427	7.0	110	0.00
74	n-propylbenzene	1.974	1.877	4.9	113	0.00
75	2-Chlorotoluene	1.196	1.142	4.5	113	0.00
76	1,3,5-Trimethylbenzene	1.460	1.408	3.6	115	0.00
77	t-1,4-Dichloro-2-butene	0.205	0.191	6.8	115	0.00
78	4-Chlorotoluene	1.427	1.372	3.9	114	0.00
79	tert-butylbenzene	1.407	1.306	7.2	111	0.00
80	1,2,4-Trimethylbenzene	1.444	1.416	1.9	116	0.00
81	sec-Butylbenzene	1.643	1.560	5.1	115	0.00
82	p-Isopropyltoluene	1.532	1.474	3.8	117	0.00
83 M	1,3-Dichlorobenzene	0.821	0.813	1.0	116	0.00
84 M	1,4-Dichlorobenzene	0.821	0.788	4.0	112	0.00
85	n-Butylbenzene	1.349	1.282	5.0	118	0.00
86 T	Hexachloroethane	0.302	0.279	7.6	113	0.00
87 M	1,2-Dichlorobenzene	0.769	0.763	0.8	117	0.00
88	1,2-Dibromo-3-Chloropropane	0.140	0.130	7.1	117	0.00
89	1,2,4-Trichlorobenzene	0.520	0.522	-0.4	124	0.00
90	Hexachlorobutadiene	0.220	0.232	-5.5	122	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX090420\
Data File : VX018254.D
Acq On : 04 Sep 2020 12:36
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090420

Quant Time: Sep 05 06:43:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 12:13:41 2020
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	1.624	1.503	7.5	114	0.00
92	1,2,3-Trichlorobenzene	0.515	0.503	2.3	120	0.00

(#) = Out of Range

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