

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN071319\
 Data File : VN056685.D
 Acq On : 12 Jul 2019 12:53
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Quant Time: Jul 13 00:20:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 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	93	0.00
2 M	Dichlorodifluoromethane	1.705	1.775	-4.1	92	0.00
3 M	Chloromethane	2.280	2.334	-2.4	92	0.00
4 M	Vinyl Chloride	2.242	2.253	-0.5	91	0.00
5 M	Bromomethane	1.413	1.481	-4.8	97	0.00
6 M	Chloroethane	1.281	1.322	-3.2	94	0.00
7 M	Trichlorofluoromethane	2.876	2.900	-0.8	90	0.00
8 T	Diethyl Ether	1.176	1.174	0.2	93	0.00
9	1,1,2-Trichlorotrifluoroeth	1.793	1.826	-1.8	92	0.00
10 M	1,1-Dichloroethene	1.769	1.784	-0.8	94	0.00
11	Methyl Iodide	2.351	2.145	8.8	87	0.00
12	Methyl Acetate	2.368	2.250	5.0	96	0.00
13 M	Acrolein	0.167	0.152	9.0	95	0.00
14 M	Acrylonitrile	1.043	1.040	0.3	95	0.00
15 M	Acetone	0.360	0.323	10.3	71	0.00
16 M	Carbon Disulfide	4.667	4.444	4.8	91	0.00
17	Allyl chloride	3.095	2.983	3.6	92	0.00
18 M	Methylene Chloride	2.077	2.094	-0.8	93	0.00
19 M	trans-1,2-Dichloroethene	1.894	1.888	0.3	92	0.00
20 T	Diisopropyl ether	6.167	6.213	-0.7	93	0.00
21 M	1,1-Dichloroethane	3.524	3.504	0.6	92	0.00
22 M	cis-1,2-Dichloroethene	2.215	2.204	0.5	92	0.00
23 M	tert-Butyl Alcohol	0.364	0.373	-2.5	97	0.00
24 M	Methyl tert-Butyl Ether	5.644	5.589	1.0	93	0.00
25 M	Chloroform	3.433	3.491	-1.7	93	0.00
26	Cyclohexane	3.275	3.252	0.7	91	0.00
27 s	1,2-Dichloroethane-d4	2.032	1.982	2.5	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
29	1,1-Dichloropropene	0.477	0.481	-0.8	92	0.00
30 M	2-Butanone	0.276	0.262	5.1	83	0.00
31	2,2-Dichloropropane	0.462	0.453	1.9	91	0.00
32 M	1,1,1-Trichloroethane	0.508	0.508	0.0	92	0.00
33 M	Carbon Tetrachloride	0.437	0.426	2.5	90	0.00
34 M	Benzene	1.465	1.491	-1.8	93	0.00
35	Methacrylonitrile	0.211	0.177	16.1	88	0.00
36 M	1,2-Dichloroethane	0.471	0.477	-1.3	92	0.00
37 M	Trichloroethene	0.398	0.396	0.5	91	0.00
38	Methylcyclohexane	0.602	0.584	3.0	89	0.00
39 M	1,2-Dichloropropane	0.393	0.396	-0.8	92	0.00
40	Dibromomethane	0.251	0.246	2.0	91	0.00
41 M	Bromodichloromethane	0.462	0.457	1.1	92	0.00
42 M	Vinyl Acetate	0.919	0.935	-1.7	93	0.00
43	Ethyl Acetate	0.499	0.500	-0.2	92	0.00
44	Isopropyl Acetate	0.778	0.772	0.8	94	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN071319\
 Data File : VN056685.D
 Acq On : 12 Jul 2019 12:53
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Quant Time: Jul 13 00:20:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 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	0.374	0.375	-0.3	94	0.00
47	n-amyl Acetate	0.636	0.604	5.0	93	0.00
48 M	t-1,3-Dichloropropene	0.508	0.485	4.5	92	0.00
49 T	cis-1,3-Dichloropropene	0.573	0.562	1.9	93	0.00
50 M	1,1,2-Trichloroethane	0.365	0.369	-1.1	94	0.00
51	Ethyl methacrylate	0.561	0.561	0.0	95	0.00
52	1,3-Dichloropropane	0.611	0.614	-0.5	91	0.00
53 M	Dibromochloromethane	0.369	0.356	3.5	93	0.00
54 M	1,2-Dibromoethane	0.379	0.385	-1.6	95	0.00
55 M	2-Chloroethyl vinyl ether	0.271	0.264	2.6	91	0.00
56 M	Bromoform	0.273	0.254	7.0	92	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.590	-4.4	95	0.00
59 M	2-Hexanone	0.429	0.428	0.2	88	0.00
60 S	4-Bromofluorobenzene	0.459	0.446	2.8	90	0.00
61 M	Tetrachloroethene	0.431	0.455	-5.6	93	0.00
62 M	Toluene	1.762	1.800	-2.2	92	0.00
63 S	Toluene-d8	1.371	1.396	-1.8	92	0.00
64 M	Chlorobenzene	1.075	1.088	-1.2	93	0.00
65	1,1,1,2-Tetrachloroethane	0.394	0.395	-0.3	92	0.00
66 M	Ethyl Benzene	1.905	1.923	-0.9	92	0.00
67 M	m/p-Xylenes	0.719	0.722	-0.4	91	0.00
68 M	o-Xylene	0.701	0.711	-1.4	93	0.00
69 M	Styrene	1.162	1.160	0.2	92	0.00
70	Isopropylbenzene	1.838	1.872	-1.8	92	0.00
71 M	1,1,2,2-Tetrachloroethane	0.596	0.617	-3.5	95	0.00
72	1,2,3-Trichloropropane	0.510	0.528	-3.5	94	0.00
73	Bromobenzene	0.480	0.478	0.4	91	0.00
74	n-propylbenzene	2.073	2.038	1.7	88	0.00
75	2-Chlorotoluene	1.249	1.262	-1.0	91	0.00
76	1,3,5-Trimethylbenzene	1.567	1.581	-0.9	90	0.00
77	t-1,4-Dichloro-2-butene	0.169	0.152	10.1	90	0.00
78	4-Chlorotoluene	1.211	1.196	1.2	90	0.00
79	tert-butylbenzene	1.333	1.348	-1.1	91	0.00
80	1,2,4-Trimethylbenzene	1.555	1.552	0.2	90	0.00
81	sec-Butylbenzene	1.765	1.748	1.0	89	0.00
82	p-Isopropyltoluene	1.605	1.588	1.1	89	0.00
83 M	1,3-Dichlorobenzene	0.800	0.772	3.5	90	0.00
84 M	1,4-Dichlorobenzene	0.767	0.729	5.0	89	0.00
85	n-Butylbenzene	1.324	1.232	6.9	86	0.00
86 T	Hexachloroethane	0.252	0.238	5.6	89	0.00
87 M	1,2-Dichlorobenzene	0.804	0.799	0.6	92	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.103	0.0	97	0.00
89	1,2,4-Trichlorobenzene	0.433	0.380	12.2	91	0.00
90	Hexachlorobutadiene	0.281	0.275	2.1	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN071319\
Data File : VN056685.D
Acq On : 12 Jul 2019 12:53
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Quant Time: Jul 13 00:20:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 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	1.164	0.967	16.9	93	0.00
92	1,2,3-Trichlorobenzene	0.454	0.408	10.1	92	0.00

(#) = Out of Range

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