

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082418\
 Data File : VN050861.D
 Acq On : 24 Aug 2018 8:04
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 24 14:09:29 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 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)
1 I	Bromochloromethane	1.000	1.000	0.0	74	0.00
2 M	Dichlorodifluoromethane	2.067	2.131	-3.1	67	0.00
3 M	Chloromethane	2.131	2.325	-9.1	77	0.00
4 M	Vinyl Chloride	2.269	2.254	0.7	69	0.00
5 M	Bromomethane	1.383	1.317	4.8	67	0.00
6 M	Chloroethane	1.342	1.294	3.6	68	0.00
7 M	Trichlorofluoromethane	2.965	2.922	1.5	68	0.00
8 T	Diethyl Ether	0.995	0.963	3.2	72	0.00
9	1,1,2-Trichlorotrifluoroeth	1.804	1.836	-1.8	70	0.00
10 M	1,1-Dichloroethene	1.599	1.569	1.9	69	0.00
11	Methyl Iodide	2.354	1.215	48.4#	38	0.00
12	Methyl Acetate	1.832	1.615	11.8	62	0.00
13 M	Acrolein	0.113	0.037#	67.3#	27	0.00
14 M	Acrylonitrile	0.611	0.532	12.9	64	0.00
15 M	Acetone	0.162	0.144	11.1	62	0.00
16 M	Carbon Disulfide	4.895	4.907	-0.2	71	0.00
17	Allyl chloride	2.526	2.437	3.5	71	0.00
18 M	Methylene Chloride	1.846	1.878	-1.7	72	0.00
19 M	trans-1,2-Dichloroethene	1.712	1.678	2.0	69	0.00
20 T	Diisopropyl ether	5.179	5.160	0.4	70	0.00
21 M	1,1-Dichloroethane	3.257	3.184	2.2	70	0.00
22 M	cis-1,2-Dichloroethene	1.899	1.861	2.0	71	0.00
23 M	tert-Butyl Alcohol	0.137	0.104	24.1	57	0.00
24 M	Methyl tert-Butyl Ether	4.362	3.988	8.6	66	0.00
25 M	Chloroform	3.297	3.192	3.2	68	0.00
26	Cyclohexane	2.588	2.590	-0.1	72	0.00
27 s	1,2-Dichloroethane-d4	2.039	1.958	4.0	70	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	75	0.00
29	1,1-Dichloropropene	0.466	0.443	4.9	68	0.00
30 M	2-Butanone	0.146	0.116	20.5	60	0.00
31	2,2-Dichloropropane	0.515	0.490	4.9	69	0.00
32 M	1,1,1-Trichloroethane	0.548	0.503	8.2	67	0.00
33 M	Carbon Tetrachloride	0.489	0.448	8.4	67	0.00
34 M	Benzene	1.414	1.380	2.4	71	0.00
35	Methacrylonitrile	0.166	0.133	19.9	63	0.00
36 M	1,2-Dichloroethane	0.464	0.411	11.4	64	0.00
37 M	Trichloroethene	0.371	0.357	3.8	71	0.00
38	Methylcyclohexane	0.491	0.469	4.5	72	0.00
39 M	1,2-Dichloropropane	0.372	0.359	3.5	70	0.00
40	Dibromomethane	0.230	0.208	9.6	67	0.00
41 M	Bromodichloromethane	0.486	0.442	9.1	67	0.00
42 M	Vinyl Acetate	0.687	0.577	16.0	63	0.00
43	Ethyl Acetate	0.305	0.241	21.0	58	0.00
44	Isopropyl Acetate	0.565	0.440	22.1	58	0.00
45 T	1,4-Dioxane	0.004	0.003#	25.0	60	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082418\
 Data File : VN050861.D
 Acq On : 24 Aug 2018 8:04
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 24 14:09:29 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 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)
46	Methyl methacrylate	0.274	0.211	23.0	58	0.00
47	n-amyl Acetate	0.440	0.330	25.0	61	0.00
48 M	t-1,3-Dichloropropene	0.463	0.420	9.3	68	0.00
49 T	cis-1,3-Dichloropropene	0.544	0.503	7.5	69	0.00
50 M	1,1,2-Trichloroethane	0.330	0.293	11.2	66	0.00
51	Ethyl methacrylate	0.401	0.321	20.0	65	0.00
52	1,3-Dichloropropane	0.543	0.492	9.4	67	0.00
53 M	Dibromochloromethane	0.375	0.334	10.9	67	0.00
54 M	1,2-Dibromoethane	0.324	0.284	12.3	66	0.00
55 M	2-Chloroethyl vinyl ether	0.182	0.134	26.4	57	0.00
56 M	Bromoform	0.265	0.221	16.6	64	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
58 M	4-Methyl-2-Pentanone	0.349	0.278	20.3	59	0.00
59 M	2-Hexanone	0.238	0.183	23.1	58	0.00
60 S	4-Bromofluorobenzene	0.461	0.456	1.1	76	0.00
61 M	Tetrachloroethene	0.406	0.367	9.6	64	0.00
62 M	Toluene	1.712	1.626	5.0	69	0.00
63 S	Toluene-d8	1.433	1.438	-0.3	74	0.00
64 M	Chlorobenzene	1.038	1.001	3.6	72	0.00
65	1,1,1,2-Tetrachloroethane	0.405	0.371	8.4	67	0.00
66 M	Ethyl Benzene	1.749	1.608	8.1	69	0.00
67 M	m/p-Xylenes	0.673	0.641	4.8	69	0.00
68 M	o-Xylene	0.640	0.604	5.6	71	0.00
69 M	Styrene	1.027	0.941	8.4	68	0.00
70	Isopropylbenzene	1.706	1.614	5.4	70	0.00
71 M	1,1,2,2-Tetrachloroethane	0.468	0.410	12.4	66	0.00
72	1,2,3-Trichloropropane	0.400	0.329	17.8	61	0.00
73	Bromobenzene	0.454	0.421	7.3	70	0.00
74	n-propylbenzene	1.987	1.830	7.9	67	0.00
75	2-Chlorotoluene	1.193	1.135	4.9	70	0.00
76	1,3,5-Trimethylbenzene	1.401	1.345	4.0	69	0.00
77	t-1,4-Dichloro-2-butene	0.131	0.096	26.7	60	0.00
78	4-Chlorotoluene	1.182	1.094	7.4	68	0.00
79	tert-butylbenzene	1.198	1.134	5.3	70	0.00
80	1,2,4-Trimethylbenzene	1.419	1.341	5.5	68	0.00
81	sec-Butylbenzene	1.627	1.525	6.3	68	0.00
82	p-Isopropyltoluene	1.388	1.291	7.0	68	0.00
83 M	1,3-Dichlorobenzene	0.791	0.703	11.1	66	0.00
84 M	1,4-Dichlorobenzene	0.748	0.658	12.0	66	0.00
85	n-Butylbenzene	1.127	0.950	15.7	64	0.00
86 T	Hexachloroethane	0.277	0.245	11.6	66	0.00
87 M	1,2-Dichlorobenzene	0.773	0.691	10.6	65	0.00
88	1,2-Dibromo-3-Chloropropane	0.073	0.053	27.4	56	0.00
89	1,2,4-Trichlorobenzene	0.369	0.260	29.5	56	0.00
90	Hexachlorobutadiene	0.244	0.233	4.5	68	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082418\
Data File : VN050861.D
Acq On : 24 Aug 2018 8:04
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 24 14:09:29 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
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	0.820	0.452	44.9#	50	0.00
92	1,2,3-Trichlorobenzene	0.376	0.272	27.7	56	0.00

(#) = Out of Range

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