

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052887.D
 Acq On : 14 Dec 2018 14:23
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 15 03:16:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2 M	Dichlorodifluoromethane	1.709	1.610	5.8	85	0.00
3 M	Chloromethane	2.266	2.002	11.7	82	0.00
4 M	Vinyl Chloride	2.287	2.117	7.4	86	0.00
5 M	Bromomethane	1.304	1.267	2.8	92	0.00
6 M	Chloroethane	1.360	1.286	5.4	87	0.00
7 M	Trichlorofluoromethane	2.823	2.893	-2.5	96	0.00
8 T	Diethyl Ether	1.042	1.056	-1.3	97	0.00
9	1,1,2-Trichlorotrifluoroeth	1.789	1.892	-5.8	96	0.00
10 M	1,1-Dichloroethene	1.682	1.713	-1.8	96	0.00
11	Methyl Iodide	2.336	2.006	14.1	83	0.00
12	Methyl Acetate	1.429	1.497	-4.8	97	0.00
13 M	Acrolein	0.168	0.046#	72.6#	28	0.00
14 M	Acrylonitrile	0.609	0.596	2.1	89	0.00
15 M	Acetone	0.158	0.153	3.2	83	0.00
16 M	Carbon Disulfide	5.326	4.681	12.1	83	0.00
17	Allyl chloride	2.934	2.784	5.1	88	0.00
18 M	Methylene Chloride	1.948	1.945	0.2	94	0.00
19 M	trans-1,2-Dichloroethene	1.810	1.812	-0.1	95	0.00
20 T	Diisopropyl ether	6.166	5.995	2.8	90	0.00
21 M	1,1-Dichloroethane	3.514	3.470	1.3	93	0.00
22 M	cis-1,2-Dichloroethene	2.075	2.122	-2.3	95	0.00
23 M	tert-Butyl Alcohol	0.091	0.104	-14.3	105	0.00
24 M	Methyl tert-Butyl Ether	4.413	4.648	-5.3	98	0.00
25 M	Chloroform	3.390	3.464	-2.2	95	0.00
26	Cyclohexane	3.314	3.160	4.6	88	0.00
27 s	1,2-Dichloroethane-d4	2.044	2.005	1.9	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.458	0.437	4.6	92	0.00
30 M	2-Butanone	0.123	0.115	6.5	88	0.00
31	2,2-Dichloropropane	0.422	0.435	-3.1	101	0.00
32 M	1,1,1-Trichloroethane	0.477	0.474	0.6	97	0.00
33 M	Carbon Tetrachloride	0.417	0.404	3.1	94	0.00
34 M	Benzene	1.377	1.322	4.0	92	0.00
35	Methacrylonitrile	0.152	0.132	13.2	82	0.00
36 M	1,2-Dichloroethane	0.417	0.399	4.3	92	0.00
37 M	Trichloroethene	0.349	0.381	-9.2	106	0.00
38	Methylcyclohexane	0.567	0.536	5.5	90	0.00
39 M	1,2-Dichloropropane	0.369	0.354	4.1	93	0.00
40	Dibromomethane	0.200	0.201	-0.5	97	0.00
41 M	Bromodichloromethane	0.441	0.425	3.6	94	0.00
42 M	Vinyl Acetate	0.663	0.592	10.7	87	0.00
43	Ethyl Acetate	0.261	0.231	11.5	82	0.00
44	Isopropyl Acetate	0.457	0.482	-5.5	103	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	99	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052887.D
 Acq On : 14 Dec 2018 14:23
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 15 03:16:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.237	0.233	1.7	96	0.00
47	n-amyl Acetate	0.379	0.423	-11.6	114	0.00
48 M	t-1,3-Dichloropropene	0.427	0.414	3.0	98	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.504	3.3	95	0.00
50 M	1,1,2-Trichloroethane	0.283	0.285	-0.7	95	0.00
51	Ethyl methacrylate	0.355	0.363	-2.3	102	0.00
52	1,3-Dichloropropane	0.503	0.496	1.4	94	0.00
53 M	Dibromochloromethane	0.311	0.306	1.6	95	0.00
54 M	1,2-Dibromoethane	0.276	0.276	0.0	97	0.00
55 M	2-Chloroethyl vinyl ether	0.208	0.211	-1.4	96	0.00
56 M	Bromoform	0.204	0.193	5.4	93	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	0.291	0.290	0.3	93	0.00
59 M	2-Hexanone	0.199	0.195	2.0	91	0.00
60 S	4-Bromofluorobenzene	0.459	0.469	-2.2	99	0.00
61 M	Tetrachloroethene	0.369	0.524	-42.0#	132	0.00
62 M	Toluene	1.654	1.633	1.3	94	0.00
63 S	Toluene-d8	1.391	1.344	3.4	92	0.00
64 M	Chlorobenzene	1.009	1.028	-1.9	98	0.00
65	1,1,1,2-Tetrachloroethane	0.350	0.358	-2.3	99	0.00
66 M	Ethyl Benzene	1.782	1.766	0.9	95	0.00
67 M	m/p-Xylenes	0.664	0.677	-2.0	97	0.00
68 M	o-Xylene	0.645	0.658	-2.0	98	0.00
69 M	Styrene	1.040	1.067	-2.6	98	0.00
70	Isopropylbenzene	1.715	1.760	-2.6	98	0.00
71 M	1,1,2,2-Tetrachloroethane	0.373	0.317	15.0	79	0.00
72	1,2,3-Trichloropropane	0.320	0.318	0.6	100	0.00
73	Bromobenzene	0.415	0.440	-6.0	103	0.00
74	n-propylbenzene	1.998	2.018	-1.0	96	0.00
75	2-Chlorotoluene	1.160	1.177	-1.5	96	0.00
76	1,3,5-Trimethylbenzene	1.385	1.423	-2.7	97	0.00
77	t-1,4-Dichloro-2-butene	0.101	0.096	5.0	96	0.00
78	4-Chlorotoluene	1.158	1.202	-3.8	99	0.00
79	tert-butylbenzene	1.206	1.254	-4.0	98	0.00
80	1,2,4-Trimethylbenzene	1.386	1.450	-4.6	98	0.00
81	sec-Butylbenzene	1.680	1.714	-2.0	96	0.00
82	p-Isopropyltoluene	1.431	1.481	-3.5	99	0.00
83 M	1,3-Dichlorobenzene	0.729	0.782	-7.3	103	0.00
84 M	1,4-Dichlorobenzene	0.705	0.776	-10.1	106	0.00
85	n-Butylbenzene	1.229	1.240	-0.9	97	0.00
86 T	Hexachloroethane	0.242	0.201	16.9	81	0.00
87 M	1,2-Dichlorobenzene	0.694	0.756	-8.9	103	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.052	0.0	97	0.00
89	1,2,4-Trichlorobenzene	0.342	0.412	-20.5	120	0.00
90	Hexachlorobutadiene	0.224	0.244	-8.9	97	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
Data File : VN052887.D
Acq On : 14 Dec 2018 14:23
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 28

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Dec 15 03:16:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 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	0.691	0.847	-22.6	122	0.00
92	1,2,3-Trichlorobenzene	0.315	0.363	-15.2	113	0.00

(#) = Out of Range

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