

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN100918\
 Data File : VN051743.D
 Acq On : 9 Oct 2018 11:09
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 10 05:32:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 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	110	0.00
2 M	Dichlorodifluoromethane	1.750	1.834	-4.8	93	0.00
3 M	Chloromethane	1.718	1.579	8.1	89	0.00
4 M	Vinyl Chloride	2.613	2.461	5.8	98	0.00
5 M	Bromomethane	2.031	1.913	5.8	104	-0.03
6 M	Chloroethane	1.751	1.742	0.5	103	-0.02
7 M	Trichlorofluoromethane	2.992	3.479	-16.3	127	-0.02
8 T	Diethyl Ether	0.799	0.795	0.5	101	0.00
9	1,1,2-Trichlorotrifluoroeth	1.535	1.591	-3.6	104	0.00
10 M	1,1-Dichloroethene	1.400	1.398	0.1	101	0.00
11	Methyl Iodide	1.798	1.916	-6.6	124	0.00
12	Methyl Acetate	1.105	1.223	-10.7	119	0.00
13 M	Acrolein	0.081	0.096	-18.5	131	0.00
14 M	Acrylonitrile	0.451	0.445	1.3	109	0.00
15 M	Acetone	0.108	0.118	-9.3	116	0.00
16 M	Carbon Disulfide	4.006	3.684	8.0	94	0.00
17	Allyl chloride	2.042	1.943	4.8	98	0.00
18 M	Methylene Chloride	1.580	1.605	-1.6	107	0.00
19 M	trans-1,2-Dichloroethene	1.583	1.548	2.2	104	0.00
20 T	Diisopropyl ether	4.588	4.256	7.2	101	0.00
21 M	1,1-Dichloroethane	2.863	2.751	3.9	103	0.00
22 M	cis-1,2-Dichloroethene	1.863	1.833	1.6	107	0.00
23 M	tert-Butyl Alcohol	0.117	0.132	-12.8	116	0.00
24 M	Methyl tert-Butyl Ether	4.496	4.461	0.8	105	0.00
25 M	Chloroform	3.237	3.152	2.6	106	0.00
26	Cyclohexane	2.433	2.327	4.4	102	0.00
27 s	1,2-Dichloroethane-d4	2.082	2.069	0.6	108	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
29	1,1-Dichloropropene	0.399	0.390	2.3	105	0.00
30 M	2-Butanone	0.097	0.104	-7.2	115	0.00
31	2,2-Dichloropropane	0.497	0.505	-1.6	104	0.00
32 M	1,1,1-Trichloroethane	0.536	0.522	2.6	105	0.00
33 M	Carbon Tetrachloride	0.486	0.468	3.7	103	0.00
34 M	Benzene	1.206	1.160	3.8	106	0.00
35	Methacrylonitrile	0.107	0.107	0.0	114	0.00
36 M	1,2-Dichloroethane	0.404	0.396	2.0	108	0.00
37 M	Trichloroethene	0.335	0.338	-0.9	107	0.00
38	Methylcyclohexane	0.505	0.488	3.4	103	0.00
39 M	1,2-Dichloropropane	0.295	0.287	2.7	103	0.00
40	Dibromomethane	0.204	0.208	-2.0	113	0.00
41 M	Bromodichloromethane	0.456	0.435	4.6	105	0.00
42 M	Vinyl Acetate	0.572	0.548	4.2	104	0.00
43	Ethyl Acetate	0.204	0.205	-0.5	105	0.00
44	Isopropyl Acetate	0.452	0.437	3.3	103	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	125	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.201	0.205	-2.0	112	0.00
47	n-amyl Acetate	0.384	0.338	12.0	104	0.00
48 M	t-1,3-Dichloropropene	0.461	0.429	6.9	105	0.00
49 T	cis-1,3-Dichloropropene	0.497	0.467	6.0	105	0.00
50 M	1,1,2-Trichloroethane	0.288	0.285	1.0	115	0.00
51	Ethyl methacrylate	0.367	0.340	7.4	106	0.00
52	1,3-Dichloropropane	0.459	0.449	2.2	110	0.00
53 M	Dibromochloromethane	0.379	0.345	9.0	109	0.00
54 M	1,2-Dibromoethane	0.302	0.293	3.0	113	0.00
55 M	2-Chloroethyl vinyl ether	0.152	0.127	16.4	94	0.00
56 M	Bromoform	0.271	0.231	14.8	108	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
58 M	4-Methyl-2-Pentanone	0.246	0.250	-1.6	110	0.00
59 M	2-Hexanone	0.167	0.170	-1.8	112	0.00
60 S	4-Bromofluorobenzene	0.458	0.429	6.3	111	0.00
61 M	Tetrachloroethene	0.353	0.362	-2.5	112	0.00
62 M	Toluene	1.520	1.512	0.5	111	0.00
63 S	Toluene-d8	1.332	1.327	0.4	107	0.00
64 M	Chlorobenzene	0.975	0.966	0.9	112	0.00
65	1,1,1,2-Tetrachloroethane	0.397	0.384	3.3	111	0.00
66 M	Ethyl Benzene	1.709	1.654	3.2	110	0.00
67 M	m/p-Xylenes	0.684	0.675	1.3	114	0.00
68 M	o-Xylene	0.674	0.668	0.9	114	0.00
69 M	Styrene	1.076	1.006	6.5	112	0.00
70	Isopropylbenzene	1.812	1.784	1.5	116	0.00
71 M	1,1,2,2-Tetrachloroethane	0.378	0.388	-2.6	119	0.00
72	1,2,3-Trichloropropane	0.302	0.361	-19.5	134	0.00
73	Bromobenzene	0.436	0.423	3.0	118	0.00
74	n-propylbenzene	1.995	1.934	3.1	114	0.00
75	2-Chlorotoluene	1.166	1.142	2.1	116	0.00
76	1,3,5-Trimethylbenzene	1.538	1.510	1.8	116	0.00
77	t-1,4-Dichloro-2-butene	0.113	0.099	12.4	108	0.00
78	4-Chlorotoluene	1.168	1.118	4.3	115	0.00
79	tert-butylbenzene	1.383	1.378	0.4	119	0.00
80	1,2,4-Trimethylbenzene	1.529	1.532	-0.2	119	0.00
81	sec-Butylbenzene	1.850	1.827	1.2	116	0.00
82	p-Isopropyltoluene	1.630	1.629	0.1	120	0.00
83 M	1,3-Dichlorobenzene	0.779	0.759	2.6	121	0.00
84 M	1,4-Dichlorobenzene	0.745	0.701	5.9	119	0.00
85	n-Butylbenzene	1.288	1.215	5.7	113	0.00
86 T	Hexachloroethane	0.322	0.294	8.7	108	0.00
87 M	1,2-Dichlorobenzene	0.764	0.738	3.4	120	0.00
88	1,2-Dibromo-3-Chloropropane	0.062	0.058	6.5	111	0.00
89	1,2,4-Trichlorobenzene	0.337	0.267	20.8	104	0.00
90	Hexachlorobutadiene	0.232	0.245	-5.6	122	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.721	0.515	28.6	94	0.00
92	1,2,3-Trichlorobenzene	0.329	0.268	18.5	101	0.00

(#) = Out of Range

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