

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN073118\
 Data File : VN050202.D
 Acq On : 31 Jul 2018 8:17
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 31 17:40:22 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2 M	Dichlorodifluoromethane	2.067	2.137	-3.4	85	0.00
3 M	Chloromethane	2.131	1.959	8.1	82	0.00
4 M	Vinyl Chloride	2.269	2.143	5.6	83	0.00
5 M	Bromomethane	1.383	0.513	62.9#	33	0.00
6 M	Chloroethane	1.342	1.313	2.2	87	0.00
7 M	Trichlorofluoromethane	2.965	2.994	-1.0	87	0.00
8 T	Diethyl Ether	0.995	0.955	4.0	91	0.00
9	1,1,2-Trichlorotrifluoroeth	1.804	1.893	-4.9	90	0.00
10 M	1,1-Dichloroethene	1.599	1.571	1.8	87	0.00
11	Methyl Iodide	2.354	0.608	74.2#	24	0.00
12	Methyl Acetate	1.832	1.903	-3.9	92	0.00
13 M	Acrolein	0.113	0.031#	72.6#	29	0.00
14 M	Acrylonitrile	0.611	0.522	14.6	80	0.00
15 M	Acetone	0.162	0.152	6.2	82	0.00
16 M	Carbon Disulfide	4.895	4.546	7.1	83	0.00
17	Allyl chloride	2.526	2.483	1.7	91	0.00
18 M	Methylene Chloride	1.846	1.839	0.4	89	0.00
19 M	trans-1,2-Dichloroethene	1.712	1.704	0.5	89	0.00
20 T	Diisopropyl ether	5.179	5.270	-1.8	91	0.00
21 M	1,1-Dichloroethane	3.257	3.256	0.0	90	0.00
22 M	cis-1,2-Dichloroethene	1.899	1.898	0.1	91	0.00
23 M	tert-Butyl Alcohol	0.137	0.098	28.5	68	0.00
24 M	Methyl tert-Butyl Ether	4.362	4.070	6.7	86	0.00
25 M	Chloroform	3.297	3.352	-1.7	90	0.00
26	Cyclohexane	2.588	2.568	0.8	90	0.00
27 s	1,2-Dichloroethane-d4	2.039	2.093	-2.6	94	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.466	0.437	6.2	89	0.00
30 M	2-Butanone	0.146	0.113	22.6	78	0.00
31	2,2-Dichloropropane	0.515	0.490	4.9	91	0.00
32 M	1,1,1-Trichloroethane	0.548	0.512	6.6	90	0.00
33 M	Carbon Tetrachloride	0.489	0.451	7.8	90	0.00
34 M	Benzene	1.414	1.326	6.2	90	0.00
35	Methacrylonitrile	0.166	0.128	22.9	81	0.00
36 M	1,2-Dichloroethane	0.464	0.414	10.8	86	0.00
37 M	Trichloroethene	0.371	0.349	5.9	91	0.00
38	Methylcyclohexane	0.491	0.452	7.9	92	0.00
39 M	1,2-Dichloropropane	0.372	0.349	6.2	91	0.00
40	Dibromomethane	0.230	0.206	10.4	88	0.00
41 M	Bromodichloromethane	0.486	0.464	4.5	93	0.00
42 M	Vinyl Acetate	0.687	0.571	16.9	83	0.00
43	Ethyl Acetate	0.305	0.238	22.0	76	0.00
44	Isopropyl Acetate	0.565	0.496	12.2	87	0.00
45 T	1,4-Dioxane	0.004	0.003#	25.0	75	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.274	0.214	21.9	79	0.00
47	n-amyl Acetate	0.440	0.316	28.2	78	0.00
48 M	t-1,3-Dichloropropene	0.463	0.417	9.9	89	0.00
49 T	cis-1,3-Dichloropropene	0.544	0.494	9.2	90	0.00
50 M	1,1,2-Trichloroethane	0.330	0.296	10.3	88	0.00
51	Ethyl methacrylate	0.401	0.320	20.2	85	0.00
52	1,3-Dichloropropane	0.543	0.485	10.7	88	0.00
53 M	Dibromochloromethane	0.375	0.336	10.4	89	0.00
54 M	1,2-Dibromoethane	0.324	0.276	14.8	85	0.00
55 M	2-Chloroethyl vinyl ether	0.182	0.145	20.3	81	0.00
56 M	Bromoform	0.265	0.212	20.0	82	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
58 M	4-Methyl-2-Pentanone	0.349	0.283	18.9	77	0.00
59 M	2-Hexanone	0.238	0.186	21.8	76	0.00
60 S	4-Bromofluorobenzene	0.461	0.447	3.0	95	0.00
61 M	Tetrachloroethene	0.406	0.386	4.9	86	0.00
62 M	Toluene	1.712	1.653	3.4	90	0.00
63 S	Toluene-d8	1.433	1.455	-1.5	96	0.00
64 M	Chlorobenzene	1.038	1.005	3.2	92	0.00
65	1,1,1,2-Tetrachloroethane	0.405	0.388	4.2	90	0.00
66 M	Ethyl Benzene	1.749	1.663	4.9	91	0.00
67 M	m/p-Xylenes	0.673	0.650	3.4	90	0.00
68 M	o-Xylene	0.640	0.609	4.8	92	0.00
69 M	Styrene	1.027	0.973	5.3	90	0.00
70	Isopropylbenzene	1.706	1.652	3.2	92	0.00
71 M	1,1,2,2-Tetrachloroethane	0.468	0.403	13.9	83	0.00
72	1,2,3-Trichloropropane	0.400	0.334	16.5	79	0.00
73	Bromobenzene	0.454	0.415	8.6	88	0.00
74	n-propylbenzene	1.987	1.893	4.7	89	0.00
75	2-Chlorotoluene	1.193	1.139	4.5	90	0.00
76	1,3,5-Trimethylbenzene	1.401	1.360	2.9	90	0.00
77	t-1,4-Dichloro-2-butene	0.131	0.096	26.7	76	0.00
78	4-Chlorotoluene	1.182	1.140	3.6	91	0.00
79	tert-butylbenzene	1.198	1.141	4.8	91	0.00
80	1,2,4-Trimethylbenzene	1.419	1.364	3.9	89	0.00
81	sec-Butylbenzene	1.627	1.565	3.8	90	0.00
82	p-Isopropyltoluene	1.388	1.336	3.7	90	0.00
83 M	1,3-Dichlorobenzene	0.791	0.730	7.7	88	0.00
84 M	1,4-Dichlorobenzene	0.748	0.678	9.4	87	0.00
85	n-Butylbenzene	1.127	1.014	10.0	88	0.00
86 T	Hexachloroethane	0.277	0.250	9.7	86	0.00
87 M	1,2-Dichlorobenzene	0.773	0.723	6.5	87	0.00
88	1,2-Dibromo-3-Chloropropane	0.073	0.053	27.4	71	0.00
89	1,2,4-Trichlorobenzene	0.369	0.287	22.2	80	0.00
90	Hexachlorobutadiene	0.244	0.233	4.5	86	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.820	0.514	37.3#	73	0.00
92	1,2,3-Trichlorobenzene	0.376	0.298	20.7	79	0.00

(#) = Out of Range

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