Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012021\
Data File : VN065565.D
Acq On : 20 Jan 2021 16:05
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_N
**LabSampleId :** VSTDCCC020

Quant Time: Jan 21 01:22:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jan 14 04:12:08 2021
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 | 103 | 0.00 |
| 2 | M | Dichlorodifluoromethane | 1.493 | 1.271 | 14.9 | 96 | 0.00 |
| 3 | M | Chloromethane | 1.848 | 1.570 | 15.0 | 96 | 0.00 |
| 4 | M | Vinyl Chloride | 2.036 | 1.774 | 12.9 | 101 | 0.00 |
| 5 | M | Bromomethane | 1.452 | 1.290 | 11.2 | 98 | 0.02 |
| 6 | M | Chloroethane | 1.324 | 1.124 | 15.1 | 97 | 0.00 |
| 7 | M | Trichlorofluoromethane | 2.712 | 2.396 | 11.7 | 99 | 0.00 |
| 8 | T | Diethyl Ether | 1.103 | 1.002 | 9.2 | 100 | 0.00 |
| 9 | | 1,1,2-Trichlorotrifluoroeth | 1.611 | 1.508 | 6.4 | 103 | 0.00 |
| 10 | M | 1,1-Dichloroethene | 1.650 | 1.485 | 10.0 | 102 | 0.00 |
| 11 | | Methyl Iodide | 2.604 | 2.345 | 9.9 | 102 | 0.00 |
| 12 | | Methyl Acetate | 1.616 | 1.480 | 8.4 | 100 | 0.00 |
| 13 | M | Acrolein | 0.273 | 0.197 | 27.8 | 82 | 0.00 |
| 14 | M | Acrylonitrile | 0.732 | 0.628 | 14.2 | 95 | 0.00 |
| 15 | M | Acetone | 0.224 | 0.192 | 14.3 | 92 | 0.00 |
| 16 | M | Carbon Disulfide | 4.011 | 3.366 | 16.1 | 98 | 0.00 |
| 17 | | Allyl chloride | 2.339 | 1.996 | 14.7 | 99 | 0.00 |
| 18 | M | Methylene Chloride | 1.790 | 1.646 | 8.0 | 102 | 0.00 |
| 19 | M | trans-1,2-Dichloroethene | 1.660 | 1.490 | 10.2 | 102 | 0.00 |
| 20 | T | Diisopropyl ether | 4.899 | 4.386 | 10.5 | 100 | 0.00 |
| 21 | M | 1,1-Dichloroethane | 2.927 | 2.675 | 8.6 | 102 | 0.00 |
| 22 | M | cis-1,2-Dichloroethene | 1.923 | 1.759 | 8.5 | 105 | 0.00 |
| 23 | M | tert-Butyl Alcohol | 0.226 | 0.191 | 15.5 | 92 | -0.02 |
| 24 | M | Methyl tert-Butyl Ether | 4.838 | 4.375 | 9.6 | 103 | 0.00 |
| 25 | M | Chloroform | 3.020 | 2.767 | 8.4 | 104 | 0.00 |
| 26 | | Cyclohexane | 2.457 | 2.045 | 16.8 | 97 | 0.00 |
| 27 | s | 1,2-Dichloroethane-d4 | 1.874 | 1.779 | 5.1 | 96 | 0.00 |
| 28 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 29 | | 1,1-Dichloropropene | 0.426 | 0.379 | 11.0 | 104 | 0.00 |
| 30 | M | 2-Butanone | 0.172 | 0.137 | 20.3 | 88 | 0.00 |
| 31 | | 2,2-Dichloropropane | 0.440 | 0.401 | 8.9 | 105 | 0.00 |
| 32 | M | 1,1,1-Trichloroethane | 0.482 | 0.426 | 11.6 | 101 | 0.00 |
| 33 | M | Carbon Tetrachloride | 0.424 | 0.376 | 11.3 | 103 | 0.00 |
| 34 | M | Benzene | 1.312 | 1.183 | 9.8 | 103 | 0.00 |
| 35 | | Methacrylonitrile | 0.179 | 0.154 | 14.0 | 92 | 0.00 |
| 36 | M | 1,2-Dichloroethane | 0.433 | 0.379 | 12.5 | 97 | 0.00 |
| 37 | M | Trichloroethene | 0.391 | 0.356 | 9.0 | 106 | 0.00 |
| 38 | | Methylcyclohexane | 0.495 | 0.422 | 14.7 | 102 | 0.00 |
| 39 | M | 1,2-Dichloropropane | 0.341 | 0.311 | 8.8 | 104 | 0.00 |
| 40 | | Dibromomethane | 0.228 | 0.203 | 11.0 | 101 | 0.00 |
| 41 | M | Bromodichloromethane | 0.442 | 0.401 | 9.3 | 106 | 0.00 |
| 42 | M | Vinyl Acetate | 0.745 | 0.628 | 15.7 | 96 | 0.00 |
| 43 | | Ethyl Acetate | 0.367 | 0.299 | 18.5 | 94 | 0.00 |
| 44 | | Isopropyl Acetate | 0.614 | 0.505 | 17.8 | 93 | 0.00 |
| 45 | T | 1,4-Dioxane | 0.004 | 0.005# | -25.0 | 120 | 0.00 |
| 46 | | Methyl methacrylate | 0.303 | 0.251 | 17.2 | 96 | 0.00 |
| 47 | | n-amyl Acetate | 0.531 | 0.427 | 19.6 | 98 | 0.00 |
| 48 | M | t-1,3-Dichloropropene | 0.490 | 0.434 | 11.4 | 108 | 0.00 |

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Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_N
**LabSampleId :** VSTDCCC020

Quant Time: Jan 21 01:22:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jan 14 04:12:08 2021
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) |
|---|---|---|---|---|---|---|---|
| 49 | T | cis-1,3-Dichloropropene | 0.539 | 0.483 | 10.4 | 105 | 0.00 |
| 50 | M | 1,1,2-Trichloroethane | 0.334 | 0.305 | 8.7 | 104 | 0.00 |
| 51 | | Ethyl methacrylate | 0.468 | 0.391 | 16.5 | 99 | 0.00 |
| 52 | | 1,3-Dichloropropane | 0.553 | 0.492 | 11.0 | 102 | 0.00 |
| 53 | M | Dibromochloromethane | 0.370 | 0.335 | 9.5 | 109 | 0.00 |
| 54 | M | 1,2-Dibromoethane | 0.357 | 0.315 | 11.8 | 103 | 0.00 |
| 55 | M | 2-Chloroethyl vinyl ether | 0.205 | 0.188 | 8.3 | 108 | 0.00 |
| 56 | M | Bromoform | 0.288 | 0.247 | 14.2 | 106 | 0.00 |
| 57 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 58 | M | 4-Methyl-2-Pentanone | 0.398 | 0.331 | 16.8 | 90 | 0.00 |
| 59 | M | 2-Hexanone | 0.288 | 0.228 | 20.8 | 88 | 0.00 |
| 60 | S | 4-Bromofluorobenzene | 0.454 | 0.444 | 2.2 | 103 | 0.00 |
| 61 | M | Tetrachloroethene | 0.479 | 0.452 | 5.6 | 104 | 0.00 |
| 62 | M | Toluene | 1.566 | 1.431 | 8.6 | 103 | 0.00 |
| 63 | S | Toluene-d8 | 1.313 | 1.337 | -1.8 | 103 | 0.00 |
| 64 | M | Chlorobenzene | 1.018 | 0.932 | 8.4 | 105 | 0.00 |
| 65 | | 1,1,1,2-Tetrachloroethane | 0.383 | 0.348 | 9.1 | 103 | 0.00 |
| 66 | M | Ethyl Benzene | 1.712 | 1.542 | 9.9 | 104 | 0.00 |
| 67 | M | m/p-Xylenes | 0.670 | 0.611 | 8.8 | 105 | 0.00 |
| 68 | M | o-Xylene | 0.647 | 0.580 | 10.4 | 103 | 0.00 |
| 69 | M | Styrene | 1.081 | 0.977 | 9.6 | 105 | 0.00 |
| 70 | | Isopropylbenzene | 1.692 | 1.531 | 9.5 | 104 | 0.00 |
| 71 | M | 1,1,2,2-Tetrachloroethane | 0.481 | 0.417 | 13.3 | 99 | 0.00 |
| 72 | | 1,2,3-Trichloropropane | 0.457 | 0.395 | 13.6 | 99 | 0.00 |
| 73 | | Bromobenzene | 0.484 | 0.431 | 11.0 | 103 | 0.00 |
| 74 | | n-propylbenzene | 1.896 | 1.722 | 9.2 | 105 | 0.00 |
| 75 | | 2-Chlorotoluene | 1.144 | 1.031 | 9.9 | 103 | 0.00 |
| 76 | | 1,3,5-Trimethylbenzene | 1.450 | 1.316 | 9.2 | 104 | 0.00 |
| 77 | | t-1,4-Dichloro-2-butene | 0.161 | 0.134 | 16.8 | 104 | 0.00 |
| 78 | | 4-Chlorotoluene | 1.157 | 1.034 | 10.6 | 104 | 0.00 |
| 79 | | tert-butylbenzene | 1.246 | 1.118 | 10.3 | 104 | 0.00 |
| 80 | | 1,2,4-Trimethylbenzene | 1.443 | 1.315 | 8.9 | 105 | 0.00 |
| 81 | | sec-Butylbenzene | 1.611 | 1.446 | 10.2 | 104 | 0.00 |
| 82 | | p-Isopropyltoluene | 1.505 | 1.367 | 9.2 | 107 | 0.00 |
| 83 | M | 1,3-Dichlorobenzene | 0.802 | 0.740 | 7.7 | 109 | 0.00 |
| 84 | M | 1,4-Dichlorobenzene | 0.783 | 0.700 | 10.6 | 110 | 0.00 |
| 85 | | n-Butylbenzene | 1.190 | 1.077 | 9.5 | 110 | 0.00 |
| 86 | T | Hexachloroethane | 0.248 | 0.216 | 12.9 | 107 | 0.00 |
| 87 | M | 1,2-Dichlorobenzene | 0.790 | 0.729 | 7.7 | 108 | 0.00 |
| 88 | | 1,2-Dibromo-3-Chloropropane | 0.086 | 0.075 | 12.8 | 106 | 0.00 |
| 89 | | 1,2,4-Trichlorobenzene | 0.407 | 0.391 | 3.9 | 134 | 0.00 |
| 90 | | Hexachlorobutadiene | 0.276 | 0.258 | 6.5 | 108 | 0.00 |
| 91 | M | Naphthalene | 1.005 | 0.938 | 6.7 | 138 | 0.00 |
| 92 | | 1,2,3-Trichlorobenzene | 0.401 | 0.402 | -0.2 | 134 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0