Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041621\
Data File : VN066649.D
Acq On : 17 Apr 2021 00:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_N
**LabSampleId :** VSTDCCC050

Quant Time: Apr 17 05:23:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.607 | 0.563 | 7.2 | 90 | 0.00 |
| 3 | P | Chloromethane | 0.886 | 0.771 | 13.0 | 92 | 0.00 |
| 4 | C | Vinyl Chloride | 0.771 | 0.748 | 3.0# | 97 | 0.00 |
| 5 | T | Bromomethane | 0.480 | 0.459 | 4.4 | 94 | 0.01 |
| 6 | T | Chloroethane | 0.462 | 0.439 | 5.0 | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.893 | 0.823 | 7.8 | 94 | 0.00 |
| 8 | T | Diethyl Ether | 0.365 | 0.354 | 3.0 | 96 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.528 | 0.504 | 4.5 | 97 | 0.00 |
| 10 | T | Methyl Iodide | 0.733 | 0.772 | -5.3 | 100 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.121 | 0.115 | 5.0 | 91 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.517 | 0.503 | 2.7# | 96 | 0.00 |
| 13 | T | Acrolein | 0.065 | 0.055 | 15.4 | 76 | 0.00 |
| 14 | T | Allyl chloride | 0.223 | 0.207 | 7.2 | 92 | 0.00 |
| 15 | T | Acrylonitrile | 0.333 | 0.330 | 0.9 | 93 | 0.00 |
| 16 | T | Acetone | 0.336 | 0.264 | 21.4 | 90 | 0.00 |
| 17 | T | Carbon Disulfide | 1.742 | 1.507 | 13.5 | 91 | 0.00 |
| 18 | T | Methyl Acetate | 0.812 | 0.812 | 0.0 | 99 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.830 | 1.864 | -1.9 | 96 | 0.00 |
| 20 | T | Methylene Chloride | 0.713 | 0.657 | 7.9 | 98 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.582 | 0.568 | 2.4 | 96 | 0.00 |
| 22 | T | Diisopropyl ether | 2.209 | 2.250 | -1.9 | 96 | 0.00 |
| 23 | T | Vinyl Acetate | 1.845 | 1.884 | -2.1 | 94 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.203 | 1.167 | 3.0 | 98 | 0.00 |
| 25 | T | 2-Butanone | 0.445 | 0.432 | 2.9 | 92 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.954 | 0.778 | 18.4 | 84 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.674 | 0.681 | -1.0 | 98 | 0.00 |
| 28 | T | Bromochloromethane | 0.624 | 0.564 | 9.6 | 88 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.299 | 0.298 | 0.3 | 94 | 0.00 |
| 30 | C | Chloroform | 1.132 | 1.117 | 1.3# | 98 | 0.00 |
| 31 | T | Cyclohexane | 1.085 | 1.011 | 6.8 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.935 | 0.931 | 0.4 | 99 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.754 | 0.697 | 7.6 | 89 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.347 | 0.340 | 2.0 | 90 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.504 | 0.504 | 0.0 | 95 | 0.00 |
| 37 | T | Ethyl Acetate | 0.571 | 0.583 | -2.1 | 92 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.472 | 0.480 | -1.7 | 98 | 0.00 |
| 39 | T | Methylcyclohexane | 0.574 | 0.579 | -0.9 | 92 | 0.00 |
| 40 | TM | Benzene | 1.614 | 1.643 | -1.8 | 98 | 0.00 |
| 41 | T | Methacrylonitrile | 0.262 | 0.239 | 8.8 | 82 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.554 | 0.542 | 2.2 | 95 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.955 | 0.953 | 0.2 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 0.373 | 0.380 | -1.9 | 98 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.449 | 0.455 | -1.3# | 98 | 0.00 |
| 46 | T | Dibromomethane | 0.270 | 0.274 | -1.5 | 98 | 0.00 |
| 47 | T | Bromodichloromethane | 0.553 | 0.566 | -2.4 | 97 | 0.00 |
| 48 | T | Methyl methacrylate | 0.429 | 0.449 | -4.7 | 92 | 0.00 |

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_N
**LabSampleId :** VSTDCCC050

Quant Time: Apr 17 05:23:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.009 | 0.008 | 11.1 | 93 | 0.00 |
| 50 | S | Toluene-d8 | 1.359 | 1.336 | 1.7 | 90 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.562 | 0.584 | -3.9 | 92 | 0.00 |
| 52 | CM | Toluene | 0.951 | 1.007 | -5.9# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.598 | 0.613 | -2.5 | 93 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.658 | 0.665 | -1.1 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.393 | 0.406 | -3.3 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.514 | 0.601 | -16.9 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.659 | 0.686 | -4.1 | 97 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.082 | 0.116 | -41.5# | 108 | 0.00 |
| 59 | T | 2-Hexanone | 0.347 | 0.407 | -17.3 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 0.410 | 0.440 | -7.3 | 98 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.386 | 0.409 | -6.0 | 96 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.478 | 0.506 | -5.9 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 64 | T | Tetrachloroethene | 0.348 | 0.331 | 4.9 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 1.088 | 1.087 | 0.1 | 96 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.395 | 0.407 | -3.0 | 98 | 0.00 |
| 67 | C | Ethyl Benzene | 1.893 | 1.975 | -4.3# | 95 | 0.00 |
| 68 | T | m/p-Xylenes | 0.691 | 0.748 | -8.2 | 95 | 0.00 |
| 69 | T | o-Xylene | 0.674 | 0.733 | -8.8 | 95 | 0.00 |
| 70 | T | Styrene | 1.051 | 1.232 | -17.2 | 96 | 0.00 |
| 71 | P | Bromoform | 0.298 | 0.341 | -14.4 | 98 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 3.808 | 3.882 | -1.9 | 95 | 0.00 |
| 74 | T | N-amyl acetate | 0.765 | 1.212 | -58.4# | 94 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.417 | 1.337 | 5.6 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.169 | 1.206 | -3.2 | 97 | 0.00 |
| 77 | T | Bromobenzene | 0.940 | 0.982 | -4.5 | 97 | 0.00 |
| 78 | T | n-propylbenzene | 4.402 | 4.494 | -2.1 | 93 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.692 | 2.718 | -1.0 | 95 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.213 | 3.292 | -2.5 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.328 | 0.382 | -16.5 | 91 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.649 | 2.763 | -4.3 | 93 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.704 | 2.787 | -3.1 | 96 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.033 | 3.216 | -6.0 | 96 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.654 | 3.767 | -3.1 | 95 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.998 | 3.213 | -7.2 | 93 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.661 | 1.670 | -0.5 | 95 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.825 | 1.652 | 9.5 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 2.510 | 2.570 | -2.4 | 87 | 0.00 |
| 90 | T | Hexachloroethane | 0.663 | 0.654 | 1.4 | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.647 | 1.639 | 0.5 | 96 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.241 | 0.219 | 9.1 | 89 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.927 | 0.897 | 3.2 | 91 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.524 | 0.468 | 10.7 | 93 | 0.00 |
| 95 | T | Naphthalene | 2.552 | 2.311 | 9.4 | 86 | 0.00 |

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ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.953 | 0.869 | 8.8 | 91 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6