Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
Data File : VU054300.D
Acq On : 26 May 2023 20:57
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**LabSampleId :**
VSTDCCC050

Quant Time: May 30 00:08:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.558 | 0.577 | -3.4 | 106 | 0.00 |
| 3 | P | Chloromethane | 0.731 | 0.723 | 1.1 | 109 | 0.00 |
| 4 | C | Vinyl Chloride | 0.697 | 0.731 | -4.9# | 109 | 0.00 |
| 5 | T | Bromomethane | 0.386 | 0.338 | 12.4 | 95 | 0.00 |
| 6 | T | Chloroethane | 0.336 | 0.445 | -32.4# | 142 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.959 | 0.940 | 2.0 | 109 | 0.00 |
| 8 | T | Diethyl Ether | 0.355 | 0.359 | -1.1 | 109 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.519 | 0.526 | -1.3 | 111 | 0.00 |
| 10 | T | Methyl Iodide | 0.574 | 0.656 | -14.3 | 113 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.177 | 0.141 | 20.3# | 84 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 0.538 | 0.523 | 2.8# | 108 | 0.00 |
| 13 | T | Acrolein | 0.184 | 0.145 | 21.2# | 86 | 0.00 |
| 14 | T | Allyl chloride | 0.933 | 0.893 | 4.3 | 102 | 0.00 |
| 15 | T | Acrylonitrile | 0.397 | 0.346 | 12.8 | 91 | 0.00 |
| 16 | T | Acetone | 0.376 | 0.258 | 31.4# | 76 | -0.01 |
| 17 | T | Carbon Disulfide | 1.589 | 1.537 | 3.3 | 109 | 0.00 |
| 18 | T | Methyl Acetate | 1.372 | 1.210 | 11.8 | 93 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.760 | 1.747 | 0.7 | 106 | 0.00 |
| 20 | T | Methylene Chloride | 0.678 | 0.668 | 1.5 | 111 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.576 | 0.581 | -0.9 | 110 | 0.00 |
| 22 | T | Diisopropyl ether | 1.653 | 1.743 | -5.4 | 109 | 0.00 |
| 23 | T | Vinyl Acetate | 1.206 | 1.246 | -3.3 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.058 | 1.078 | -1.9 | 109 | 0.00 |
| 25 | T | 2-Butanone | 0.497 | 0.421 | 15.3 | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.925 | 0.804 | 13.1 | 94 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.641 | 0.656 | -2.3 | 109 | 0.00 |
| 28 | T | Bromochloromethane | 0.490 | 0.514 | -4.9 | 111 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.313 | 0.272 | 13.1 | 89 | 0.00 |
| 30 | C | Chloroform | 1.076 | 1.068 | 0.7# | 108 | 0.00 |
| 31 | T | Cyclohexane | 0.926 | 0.913 | 1.4 | 111 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.934 | 0.938 | -0.4 | 108 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.655 | 0.660 | -0.8 | 110 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.322 | 0.331 | -2.8 | 111 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.506 | 0.487 | 3.8 | 110 | 0.00 |
| 37 | T | Ethyl Acetate | 0.616 | 0.511 | 17.0 | 94 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.518 | 0.508 | 1.9 | 107 | 0.00 |
| 39 | T | Methylcyclohexane | 0.573 | 0.557 | 2.8 | 106 | 0.00 |
| 40 | TM | Benzene | 1.443 | 1.441 | 0.1 | 108 | 0.00 |
| 41 | T | Methacrylonitrile | 0.285 | 0.264 | 7.4 | 95 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.524 | 0.515 | 1.7 | 107 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.850 | 0.794 | 6.6 | 101 | 0.00 |
| 44 | TM | Trichloroethene | 0.403 | 0.398 | 1.2 | 111 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.376 | 0.380 | -1.1# | 109 | 0.00 |
| 46 | T | Dibromomethane | 0.277 | 0.273 | 1.4 | 107 | 0.00 |
| 47 | T | Bromodichloromethane | 0.518 | 0.515 | 0.6 | 107 | 0.00 |
| 48 | T | Methyl methacrylate | 0.377 | 0.365 | 3.2 | 100 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
Data File : VU054300.D
Acq On : 26 May 2023 20:57
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**LabSampleId :**
VSTDCCC050

Quant Time: May 30 00:08:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.011 | 0.009 | 18.2 | 88 | -0.03 |
| 50 | S | Toluene-d8 | 1.225 | 1.248 | -1.9 | 114 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.567 | 0.509 | 10.2 | 93 | 0.00 |
| 52 | CM | Toluene | 0.920 | 0.904 | 1.7# | 106 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.593 | 0.580 | 2.2 | 104 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.619 | 0.608 | 1.8 | 104 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.381 | 0.364 | 4.5 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.567 | 0.563 | 0.7 | 101 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.656 | 0.640 | 2.4 | 105 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.036 | 0.022 | 38.9# | 79 | 0.00 |
| 59 | T | 2-Hexanone | 0.448 | 0.388 | 13.4 | 90 | 0.00 |
| 60 | T | Dibromochloromethane | 0.387 | 0.388 | -0.3 | 105 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.415 | 0.409 | 1.4 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.475 | 0.469 | 1.3 | 111 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 64 | T | Tetrachloroethene | 0.376 | 0.384 | -2.1 | 106 | 0.00 |
| 65 | PM | Chlorobenzene | 1.045 | 1.018 | 2.6 | 106 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.379 | 0.378 | 0.3 | 103 | 0.00 |
| 67 | C | Ethyl Benzene | 1.787 | 1.806 | -1.1# | 106 | 0.00 |
| 68 | T | m/p-Xylenes | 0.677 | 0.700 | -3.4 | 106 | 0.00 |
| 69 | T | o-Xylene | 0.656 | 0.675 | -2.9 | 105 | 0.00 |
| 70 | T | Styrene | 1.087 | 1.150 | -5.8 | 105 | 0.00 |
| 71 | P | Bromoform | 0.330 | 0.318 | 3.6 | 98 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 73 | T | Isopropylbenzene | 3.097 | 3.198 | -3.3 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 1.315 | 1.345 | -2.3 | 104 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.253 | 1.195 | 4.6 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.459 | 1.319 | 9.6 | 93 | 0.00 |
| 77 | T | Bromobenzene | 0.850 | 0.842 | 0.9 | 103 | 0.00 |
| 78 | T | n-propylbenzene | 3.793 | 3.934 | -3.7 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.297 | 2.322 | -1.1 | 103 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.633 | 2.766 | -5.1 | 104 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.383 | 0.349 | 8.9 | 91 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.695 | 2.733 | -1.4 | 105 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.633 | 2.663 | -1.1 | 104 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.620 | 2.744 | -4.7 | 104 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.341 | 3.441 | -3.0 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.810 | 2.898 | -3.1 | 104 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.646 | 1.613 | 2.0 | 104 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.720 | 1.634 | 5.0 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 2.645 | 2.607 | 1.4 | 104 | 0.00 |
| 90 | T | Hexachloroethane | 0.497 | 0.491 | 1.2 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.620 | 1.612 | 0.5 | 104 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.286 | 0.269 | 5.9 | 91 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.159 | 1.152 | 0.6 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.552 | 0.499 | 9.6 | 102 | 0.00 |
| 95 | T | Naphthalene | 3.659 | 3.616 | 1.2 | 105 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
Data File : VU054300.D
Acq On : 26 May 2023 20:57
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**LabSampleId :**
VSTDCCC050

Quant Time: May 30 00:08:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.172 | 1.171 | 0.1 | 109 | 0.00 |

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