# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052523\
Data File : VX035852.D
Acq On : 25 May 2023 13:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 26 07:23:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
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 | 77 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.652 | 0.561 | 14.0 | 68 | 0.00 |
| 3 | P | Chloromethane | 0.791 | 0.652 | 17.6 | 69 | 0.00 |
| 4 | C | Vinyl Chloride | 0.671 | 0.619 | 7.7# | 75 | 0.00 |
| 5 | T | Bromomethane | 0.363 | 0.392 | -8.0 | 90 | 0.00 |
| 6 | T | Chloroethane | 0.407 | 0.441 | -8.4 | 92 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.987 | 0.931 | 5.7 | 75 | 0.00 |
| 8 | T | Diethyl Ether | 0.380 | 0.405 | -6.6 | 88 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.586 | 0.548 | 6.5 | 77 | 0.00 |
| 10 | T | Methyl Iodide | 0.524 | 0.648 | -23.7 | 102 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.154 | 0.153 | 0.6 | 82 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.557 | 0.529 | 5.0# | 76 | 0.00 |
| 13 | T | Acrolein | 0.183 | 0.182 | 0.5 | 86 | 0.00 |
| 14 | T | Allyl chloride | 1.193 | 1.104 | 7.5 | 76 | 0.00 |
| 15 | T | Acrylonitrile | 0.339 | 0.388 | -14.5 | 94 | 0.00 |
| 16 | T | Acetone | 0.375 | 0.361 | 3.7 | 83 | 0.00 |
| 17 | T | Carbon Disulfide | 1.344 | 1.132 | 15.8 | 66 | 0.00 |
| 18 | T | Methyl Acetate | 1.383 | 1.644 | -18.9 | 97 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.216 | 2.221 | -0.2 | 83 | 0.00 |
| 20 | T | Methylene Chloride | 0.679 | 0.709 | -4.4 | 89 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.610 | 0.597 | 2.1 | 79 | 0.00 |
| 22 | T | Diisopropyl ether | 2.336 | 2.402 | -2.8 | 86 | 0.00 |
| 23 | T | Vinyl Acetate | 1.653 | 1.708 | -3.3 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.249 | 1.221 | 2.2 | 80 | 0.00 |
| 25 | T | 2-Butanone | 0.519 | 0.574 | -10.6 | 92 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.058 | 0.850 | 19.7 | 66 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.733 | 0.747 | -1.9 | 84 | 0.00 |
| 28 | T | Bromochloromethane | 0.562 | 0.554 | 1.4 | 91 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.326 | 0.369 | -13.2 | 95 | 0.00 |
| 30 | C | Chloroform | 1.280 | 1.272 | 0.6# | 82 | 0.00 |
| 31 | T | Cyclohexane | 1.102 | 0.970 | 12.0 | 72 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.114 | 1.002 | 10.1 | 73 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.872 | 0.803 | 7.9 | 75 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.337 | 0.352 | -4.5 | 83 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.532 | 0.500 | 6.0 | 75 | 0.00 |
| 37 | T | Ethyl Acetate | 0.555 | 0.618 | -11.4 | 89 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.504 | 0.461 | 8.5 | 72 | 0.00 |
| 39 | T | Methylcyclohexane | 0.627 | 0.561 | 10.5 | 71 | 0.00 |
| 40 | TM | Benzene | 1.489 | 1.530 | -2.8 | 84 | 0.00 |
| 41 | T | Methacrylonitrile | 0.330 | 0.346 | -4.8 | 85 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.641 | 0.625 | 2.5 | 80 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.968 | 1.024 | -5.8 | 86 | 0.00 |
| 44 | TM | Trichloroethene | 0.378 | 0.383 | -1.3 | 83 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.394 | 0.422 | -7.1# | 86 | 0.00 |
| 46 | T | Dibromomethane | 0.270 | 0.292 | -8.1 | 86 | 0.00 |
| 47 | T | Bromodichloromethane | 0.522 | 0.535 | -2.5 | 81 | 0.00 |
| 48 | T | Methyl methacrylate | 0.478 | 0.506 | -5.9 | 85 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 26 07:23:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
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 | 0.010 | 0.010 | 0.0 | 86 | 0.02 |
| 50 | S | Toluene-d8 | 1.246 | 1.247 | -0.1 | 79 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.558 | 0.644 | -15.4 | 93 | 0.00 |
| 52 | CM | Toluene | 0.940 | 0.963 | -2.4# | 83 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.567 | 0.592 | -4.4 | 80 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.607 | 0.649 | -6.9 | 82 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.369 | 0.413 | -11.9 | 90 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.598 | 0.647 | -8.2 | 86 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.669 | 0.720 | -7.6 | 87 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.304 | 0.309 | -1.6 | 79 | 0.00 |
| 59 | T | 2-Hexanone | 0.420 | 0.487 | -16.0 | 93 | 0.00 |
| 60 | T | Dibromochloromethane | 0.352 | 0.394 | -11.9 | 86 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.389 | 0.433 | -11.3 | 90 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.502 | 0.508 | -1.2 | 80 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 64 | T | Tetrachloroethene | 0.337 | 0.344 | -2.1 | 88 | 0.00 |
| 65 | PM | Chlorobenzene | 1.091 | 1.136 | -4.1 | 86 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.386 | 0.404 | -4.7 | 85 | 0.00 |
| 67 | C | Ethyl Benzene | 2.053 | 2.018 | 1.7# | 82 | 0.00 |
| 68 | T | m/p-Xylenes | 0.759 | 0.759 | 0.0 | 82 | 0.00 |
| 69 | T | o-Xylene | 0.753 | 0.769 | -2.1 | 85 | 0.00 |
| 70 | T | Styrene | 1.213 | 1.285 | -5.9 | 86 | 0.00 |
| 71 | P | Bromoform | 0.254 | 0.286 | -12.6 | 90 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 73 | T | Isopropylbenzene | 4.213 | 3.893 | 7.6 | 81 | 0.00 |
| 74 | T | N-amyl acetate | 1.964 | 1.937 | 1.4 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.367 | 1.418 | -3.7 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.223 | 1.181 | 3.4 | 91 | 0.00 |
| 77 | T | Bromobenzene | 0.956 | 0.969 | -1.4 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 4.953 | 4.678 | 5.6 | 82 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.101 | 2.860 | 7.8 | 83 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.581 | 3.321 | 7.3 | 82 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.379 | 0.374 | 1.3 | 84 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.571 | 3.330 | 6.7 | 83 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.481 | 3.240 | 6.9 | 83 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.596 | 3.436 | 4.4 | 84 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.370 | 4.092 | 6.4 | 81 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.593 | 3.445 | 4.1 | 82 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.817 | 1.876 | -3.2 | 92 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.834 | 1.885 | -2.8 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 3.268 | 3.105 | 5.0 | 81 | 0.00 |
| 90 | T | Hexachloroethane | 0.545 | 0.532 | 2.4 | 82 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.779 | 1.814 | -2.0 | 92 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.304 | 0.283 | 6.9 | 82 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.071 | 1.141 | -6.5 | 93 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.425 | 0.413 | 2.8 | 85 | 0.00 |
| 95 | T | Naphthalene | 3.668 | 3.895 | -6.2 | 92 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 26 07:23:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
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 | 1.053 | 1.118 | -6.2 | 92 | 0.00 |

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