# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070720\
Data File : VX017242.D
Acq On : 08 Jul 2020 07:02
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 56 Sample Multiplier: 1

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

Quant Time: Jul 08 07:26:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
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 | 83 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.484 | 0.322 | 33.5# | 55 | 0.00 |
| 3 | P | Chloromethane | 0.586 | 0.442 | 24.6# | 64 | 0.00 |
| 4 | C | Vinyl Chloride | 0.543 | 0.441 | 18.8# | 69 | 0.00 |
| 5 | T | Bromomethane | 0.287 | 0.273 | 4.9 | 79 | 0.00 |
| 6 | T | Chloroethane | 0.321 | 0.302 | 5.9 | 81 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.803 | 0.686 | 14.6 | 73 | 0.00 |
| 8 | T | Diethyl Ether | 0.293 | 0.307 | -4.8 | 92 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.482 | 0.345 | 28.4# | 59 | 0.00 |
| 10 | T | Methyl Iodide | 0.621 | 0.505 | 18.7 | 63 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.118 | 0.135 | -14.4 | 94 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.495 | 0.422 | 14.7# | 72 | 0.00 |
| 13 | T | Acrolein | 0.070 | 0.080 | -14.3 | 95 | 0.00 |
| 14 | T | Allyl chloride | 0.914 | 0.790 | 13.6 | 73 | 0.00 |
| 15 | T | Acrylonitrile | 0.283 | 0.300 | -6.0 | 87 | 0.00 |
| 16 | T | Acetone | 0.231 | 0.259 | -12.1 | 94 | 0.00 |
| 17 | T | Carbon Disulfide | 1.515 | 1.140 | 24.8# | 65 | 0.00 |
| 18 | T | Methyl Acetate | 0.602 | 0.667 | -10.8 | 92 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.660 | 1.795 | -8.1 | 89 | 0.00 |
| 20 | T | Methylene Chloride | 0.589 | 0.552 | 6.3 | 81 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.549 | 0.506 | 7.8 | 77 | 0.00 |
| 22 | T | Diisopropyl ether | 1.692 | 1.721 | -1.7 | 82 | 0.00 |
| 23 | T | Vinyl Acetate | 1.454 | 1.539 | -5.8 | 83 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.963 | 0.943 | 2.1 | 81 | 0.00 |
| 25 | T | 2-Butanone | 0.384 | 0.409 | -6.5 | 86 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.855 | 0.504 | 41.1# | 49# | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.622 | 0.597 | 4.0 | 80 | 0.00 |
| 28 | T | Bromochloromethane | 0.468 | 0.469 | -0.2 | 84 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.254 | 0.267 | -5.1 | 84 | 0.00 |
| 30 | C | Chloroform | 0.987 | 1.017 | -3.0# | 85 | 0.00 |
| 31 | T | Cyclohexane | 0.832 | 0.561 | 32.6# | 54 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.909 | 0.851 | 6.4 | 78 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.616 | 0.691 | -12.2 | 99 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.316 | 0.335 | -6.0 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.473 | 0.378 | 20.1# | 70 | 0.00 |
| 37 | T | Ethyl Acetate | 0.479 | 0.474 | 1.0 | 82 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.520 | 0.454 | 12.7 | 76 | 0.00 |
| 39 | T | Methylcyclohexane | 0.526 | 0.311 | 40.9# | 50# | 0.00 |
| 40 | TM | Benzene | 1.388 | 1.262 | 9.1 | 79 | 0.00 |
| 41 | T | Methacrylonitrile | 0.270 | 0.266 | 1.5 | 85 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.502 | 0.519 | -3.4 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.797 | 0.789 | 1.0 | 85 | 0.00 |
| 44 | TM | Trichloroethene | 0.418 | 0.360 | 13.9 | 78 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.357 | 0.339 | 5.0# | 83 | 0.00 |

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ALS Vial : 56 Sample Multiplier: 1

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

Quant Time: Jul 08 07:26:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
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) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 0.243 | 0.245 | -0.8 | 87 | 0.00 |
| 47 | T | Bromodichloromethane | 0.502 | 0.510 | -1.6 | 87 | 0.00 |
| 48 | T | Methyl methacrylate | 0.379 | 0.394 | -4.0 | 85 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.009 | 0.009 | 0.0 | 92 | 0.00 |
| 50 | S | Toluene-d8 | 1.170 | 1.144 | 2.2 | 89 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.475 | 0.496 | -4.4 | 87 | 0.00 |
| 52 | CM | Toluene | 0.867 | 0.811 | 6.5# | 80 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.554 | 0.520 | 6.1 | 80 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.593 | 0.542 | 8.6 | 78 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.354 | 0.362 | -2.3 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.504 | 0.529 | -5.0 | 85 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.599 | 0.598 | 0.2 | 87 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.251 | 0.278 | -10.8 | 88 | 0.00 |
| 59 | T | 2-Hexanone | 0.347 | 0.378 | -8.9 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 0.411 | 0.442 | -7.5 | 92 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.381 | 0.393 | -3.1 | 89 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.457 | 0.482 | -5.5 | 96 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 0.404 | 0.341 | 15.6 | 79 | 0.00 |
| 65 | PM | Chlorobenzene | 1.032 | 0.922 | 10.7 | 83 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.398 | 0.379 | 4.8 | 88 | 0.00 |
| 67 | C | Ethyl Benzene | 1.723 | 1.505 | 12.7# | 78 | 0.00 |
| 68 | T | m/p-Xylenes | 0.662 | 0.597 | 9.8 | 80 | 0.00 |
| 69 | T | o-Xylene | 0.630 | 0.580 | 7.9 | 82 | 0.00 |
| 70 | T | Styrene | 1.072 | 1.046 | 2.4 | 84 | 0.00 |
| 71 | P | Bromoform | 0.315 | 0.349 | -10.8 | 96 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 73 | T | Isopropylbenzene | 3.275 | 2.685 | 18.0 | 77 | 0.00 |
| 74 | T | N-amyl acetate | 1.397 | 1.300 | 6.9 | 84 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.030 | 0.973 | 5.5 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.983 | 0.929 | 5.5 | 89 | 0.00 |
| 77 | T | Bromobenzene | 0.900 | 0.830 | 7.8 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 3.704 | 3.010 | 18.7 | 76 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.241 | 1.959 | 12.6 | 83 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.717 | 2.368 | 12.8 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.380 | 0.295 | 22.4# | 72 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.679 | 2.366 | 11.7 | 84 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.667 | 2.259 | 15.3 | 79 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.756 | 2.476 | 10.2 | 83 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.135 | 2.440 | 22.2# | 72 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.918 | 2.389 | 18.1 | 75 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.635 | 1.423 | 13.0 | 89 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.675 | 1.450 | 13.4 | 88 | 0.00 |
| 89 | T | n-Butylbenzene | 2.606 | 1.900 | 27.1# | 69 | 0.00 |

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**LabSampleId :** VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
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) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 0.575 | 0.479 | 16.7 | 80 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 1.528 | 1.423 | 6.9 | 92 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.246 | 0.225 | 8.5 | 93 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 1.043 | 0.883 | 15.3 | 83 | 0.00 |
| 94 T | Hexachlorobutadiene | 0.422 | 0.279 | 33.9# | 69 | 0.00 |
| 95 T | Naphthalene | 3.171 | 2.996 | 5.5 | 86 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 1.009 | 0.889 | 11.9 | 85 | 0.00 |

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