# Evaluate Continuing Calibration Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090820\
Data File : VX018308.D
Acq On : 09 Sep 2020 04:55
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

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

Quant Time: Sep 09 05:19:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
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 | 69 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.609 | 0.588 | 3.4 | 63 | 0.00 |
| 3 | P | Chloromethane | 0.642 | 0.546 | 15.0 | 59 | 0.00 |
| 4 | C | Vinyl Chloride | 0.639 | 0.580 | 9.2# | 62 | 0.00 |
| 5 | T | Bromomethane | 0.308 | 0.352 | -14.3 | 77 | 0.00 |
| 6 | T | Chloroethane | 0.343 | 0.351 | -2.3 | 69 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.871 | 0.989 | -13.5 | 77 | 0.00 |
| 8 | T | Diethyl Ether | 0.295 | 0.314 | -6.4 | 73 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.471 | 0.489 | -3.8 | 72 | 0.00 |
| 10 | T | Methyl Iodide | 0.438 | 0.490 | -11.9 | 71 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.135 | 0.135 | 0.0 | 70 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.489 | 0.480 | 1.8# | 69 | 0.00 |
| 13 | T | Acrolein | 0.056 | 0.046 | 17.9 | 58 | 0.00 |
| 14 | T | Allyl chloride | 0.878 | 0.843 | 4.0 | 65 | 0.00 |
| 15 | T | Acrylonitrile | 0.306 | 0.312 | -2.0 | 71 | 0.00 |
| 16 | T | Acetone | 0.270 | 0.290 | -7.4 | 77 | 0.00 |
| 17 | T | Carbon Disulfide | 1.477 | 1.317 | 10.8 | 65 | 0.00 |
| 18 | T | Methyl Acetate | 0.653 | 0.768 | -17.6 | 81 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.676 | 1.804 | -7.6 | 73 | 0.00 |
| 20 | T | Methylene Chloride | 0.613 | 0.567 | 7.5 | 69 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.541 | 0.534 | 1.3 | 70 | 0.00 |
| 22 | T | Diisopropyl ether | 1.733 | 1.785 | -3.0 | 70 | 0.00 |
| 23 | T | Vinyl Acetate | 1.542 | 1.576 | -2.2 | 68 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.986 | 0.999 | -1.3 | 69 | 0.00 |
| 25 | T | 2-Butanone | 0.445 | 0.443 | 0.4 | 69 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.803 | 0.594 | 26.0# | 52 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.624 | 0.607 | 2.7 | 69 | 0.00 |
| 28 | T | Bromochloromethane | 0.476 | 0.464 | 2.5 | 69 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.283 | 0.280 | 1.1 | 67 | 0.00 |
| 30 | C | Chloroform | 1.021 | 1.071 | -4.9# | 72 | 0.00 |
| 31 | T | Cyclohexane | 0.831 | 0.811 | 2.4 | 67 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.937 | 0.996 | -6.3 | 74 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.694 | 0.753 | -8.5 | 78 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 69 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.341 | 0.360 | -5.6 | 75 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.461 | 0.459 | 0.4 | 68 | 0.00 |
| 37 | T | Ethyl Acetate | 0.536 | 0.525 | 2.1 | 68 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.520 | 0.565 | -8.7 | 74 | 0.00 |
| 39 | T | Methylcyclohexane | 0.504 | 0.497 | 1.4 | 66 | 0.00 |
| 40 | TM | Benzene | 1.355 | 1.340 | 1.1 | 69 | 0.00 |
| 41 | T | Methacrylonitrile | 0.294 | 0.282 | 4.1 | 67 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.519 | 0.559 | -7.7 | 75 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.865 | 0.848 | 2.0 | 67 | 0.00 |
| 44 | TM | Trichloroethene | 0.383 | 0.382 | 0.3 | 69 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.365 | 0.361 | 1.1# | 68 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

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

Quant Time: Sep 09 05:19:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
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) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 0.257 | 0.260 | -1.2 | 71 | 0.00 |
| 47 | T | Bromodichloromethane | 0.513 | 0.549 | -7.0 | 73 | 0.00 |
| 48 | T | Methyl methacrylate | 0.431 | 0.425 | 1.4 | 67 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.008 | 0.007 | 12.5 | 56 | 0.00 |
| 50 | S | Toluene-d8 | 1.268 | 1.269 | -0.1 | 70 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.534 | 0.550 | -3.0 | 69 | 0.00 |
| 52 | CM | Toluene | 0.859 | 0.855 | 0.5# | 68 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.568 | 0.550 | 3.2 | 65 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.602 | 0.569 | 5.5 | 65 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.366 | 0.365 | 0.3 | 68 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.545 | 0.551 | -1.1 | 68 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.604 | 0.608 | -0.7 | 69 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.245 | 0.194 | 20.8 | 54 | 0.00 |
| 59 | T | 2-Hexanone | 0.406 | 0.427 | -5.2 | 69 | 0.00 |
| 60 | T | Dibromochloromethane | 0.430 | 0.454 | -5.6 | 72 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.398 | 0.399 | -0.3 | 69 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.499 | 0.522 | -4.6 | 73 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 69 | 0.00 |
| 64 | T | Tetrachloroethene | 0.367 | 0.369 | -0.5 | 69 | 0.00 |
| 65 | PM | Chlorobenzene | 0.999 | 1.000 | -0.1 | 68 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.394 | 0.419 | -6.3 | 72 | 0.00 |
| 67 | C | Ethyl Benzene | 1.698 | 1.745 | -2.8# | 68 | 0.00 |
| 68 | T | m/p-Xylenes | 0.634 | 0.671 | -5.8 | 69 | 0.00 |
| 69 | T | o-Xylene | 0.614 | 0.641 | -4.4 | 69 | 0.00 |
| 70 | T | Styrene | 1.046 | 1.132 | -8.2 | 70 | 0.00 |
| 71 | P | Bromoform | 0.336 | 0.370 | -10.1 | 73 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 73 | T | Isopropylbenzene | 3.298 | 3.134 | 5.0 | 69 | 0.00 |
| 74 | T | N-amyl acetate | 1.565 | 1.439 | 8.1 | 65 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.163 | 1.043 | 10.3 | 71 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.112 | 0.990 | 11.0 | 69 | 0.00 |
| 77 | T | Bromobenzene | 0.912 | 0.839 | 8.0 | 71 | 0.00 |
| 78 | T | n-propylbenzene | 3.745 | 3.644 | 2.7 | 72 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.314 | 2.214 | 4.3 | 71 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.710 | 2.746 | -1.3 | 72 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.412 | 0.333 | 19.2 | 61 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.750 | 2.649 | 3.7 | 72 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.675 | 2.666 | 0.3 | 73 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.771 | 2.794 | -0.8 | 72 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.042 | 3.141 | -3.3 | 74 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.794 | 2.928 | -4.8 | 74 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.601 | 1.541 | 3.7 | 75 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.603 | 1.546 | 3.6 | 75 | 0.00 |
| 89 | T | n-Butylbenzene | 2.550 | 2.502 | 1.9 | 72 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

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

Quant Time: Sep 09 05:19:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
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) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 0.550 | 0.584 | -6.2 | 78 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 1.507 | 1.487 | 1.3 | 74 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.291 | 0.277 | 4.8 | 75 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 1.005 | 0.957 | 4.8 | 72 | 0.00 |
| 94 T | Hexachlorobutadiene | 0.396 | 0.406 | -2.5 | 79 | 0.00 |
| 95 T | Naphthalene | 3.306 | 3.278 | 0.8 | 72 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 0.993 | 1.002 | -0.9 | 78 | 0.00 |

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