# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX052820\
Data File : VX016472.D
Acq On : 28 May 2020 09:55
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 28 13:17:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 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 | 127 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.492 | 0.539 | -9.6 | 130 | 0.00 |
| 3 | P | Chloromethane | 0.595 | 0.625 | -5.0 | 133 | 0.00 |
| 4 | C | Vinyl Chloride | 0.629 | 0.683 | -8.6# | 136 | 0.00 |
| 5 | T | Bromomethane | 0.306 | 0.304 | 0.7 | 130 | 0.00 |
| 6 | T | Chloroethane | 0.367 | 0.409 | -11.4 | 137 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.826 | 0.887 | -7.4 | 132 | 0.00 |
| 8 | T | Diethyl Ether | 0.344 | 0.372 | -8.1 | 138 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.455 | 0.482 | -5.9 | 131 | 0.00 |
| 10 | T | Methyl Iodide | 0.490 | 0.539 | -10.0 | 128 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.159 | 0.153 | 3.8 | 118 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.481 | 0.513 | -6.7# | 134 | 0.00 |
| 13 | T | Acrolein | 0.068 | 0.064 | 5.9 | 126 | 0.00 |
| 14 | T | Allyl chloride | 0.885 | 0.988 | -11.6 | 137 | 0.00 |
| 15 | T | Acrylonitrile | 0.326 | 0.346 | -6.1 | 128 | 0.00 |
| 16 | T | Acetone | 0.272 | 0.293 | -7.7 | 131 | 0.00 |
| 17 | T | Carbon Disulfide | 1.429 | 1.534 | -7.3 | 133 | 0.00 |
| 18 | T | Methyl Acetate | 0.698 | 0.739 | -5.9 | 129 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.728 | 1.863 | -7.8 | 131 | 0.00 |
| 20 | T | Methylene Chloride | 0.563 | 0.593 | -5.3 | 133 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.532 | 0.568 | -6.8 | 133 | 0.00 |
| 22 | T | Diisopropyl ether | 1.700 | 1.873 | -10.2 | 133 | 0.00 |
| 23 | T | Vinyl Acetate | 1.488 | 1.663 | -11.8 | 131 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.959 | 1.042 | -8.7 | 132 | 0.00 |
| 25 | T | 2-Butanone | 0.461 | 0.468 | -1.5 | 121 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.785 | 0.924 | -17.7 | 150 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.616 | 0.651 | -5.7 | 132 | 0.00 |
| 28 | T | Bromochloromethane | 0.446 | 0.472 | -5.8 | 139 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.298 | 0.314 | -5.4 | 125 | 0.00 |
| 30 | C | Chloroform | 0.967 | 1.023 | -5.8# | 130 | 0.00 |
| 31 | T | Cyclohexane | 0.863 | 0.857 | 0.7 | 124 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.875 | 0.910 | -4.0 | 127 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.621 | 0.577 | 7.1 | 118 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.308 | 0.293 | 4.9 | 120 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.473 | 0.513 | -8.5 | 133 | 0.00 |
| 37 | T | Ethyl Acetate | 0.568 | 0.591 | -4.0 | 126 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.497 | 0.512 | -3.0 | 125 | 0.00 |
| 39 | T | Methylcyclohexane | 0.514 | 0.547 | -6.4 | 130 | 0.00 |
| 40 | TM | Benzene | 1.410 | 1.522 | -7.9 | 131 | 0.00 |
| 41 | T | Methacrylonitrile | 0.312 | 0.332 | -6.4 | 132 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.501 | 0.524 | -4.6 | 127 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.887 | 0.951 | -7.2 | 130 | 0.00 |
| 44 | TM | Trichloroethene | 0.447 | 0.469 | -4.9 | 132 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.359 | 0.393 | -9.5# | 133 | 0.00 |

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**LabSampleId :** VSTDCCC050

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 0.241 | 0.257 | -6.6 | 130 | 0.00 |
| 47 | T | Bromodichloromethane | 0.499 | 0.538 | -7.8 | 130 | 0.00 |
| 48 | T | Methyl methacrylate | 0.424 | 0.458 | -8.0 | 129 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.010 | 0.009 | 10.0 | 112 | 0.00 |
| 50 | S | Toluene-d8 | 1.198 | 1.165 | 2.8 | 121 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.552 | 0.588 | -6.5 | 125 | 0.00 |
| 52 | CM | Toluene | 0.889 | 0.957 | -7.6# | 130 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.568 | 0.641 | -12.9 | 135 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.601 | 0.671 | -11.6 | 134 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.353 | 0.380 | -7.6 | 131 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.576 | 0.649 | -12.7 | 133 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.607 | 0.650 | -7.1 | 129 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.300 | 0.313 | -4.3 | 127 | 0.00 |
| 59 | T | 2-Hexanone | 0.429 | 0.462 | -7.7 | 125 | 0.00 |
| 60 | T | Dibromochloromethane | 0.398 | 0.434 | -9.0 | 130 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.379 | 0.407 | -7.4 | 130 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.463 | 0.426 | 8.0 | 117 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 64 | T | Tetrachloroethene | 0.559 | 0.592 | -5.9 | 127 | 0.00 |
| 65 | PM | Chlorobenzene | 1.019 | 1.124 | -10.3 | 129 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.389 | 0.430 | -10.5 | 130 | 0.00 |
| 67 | C | Ethyl Benzene | 1.815 | 1.981 | -9.1# | 126 | 0.00 |
| 68 | T | m/p-Xylenes | 0.673 | 0.744 | -10.5 | 126 | 0.00 |
| 69 | T | o-Xylene | 0.652 | 0.716 | -9.8 | 127 | 0.00 |
| 70 | T | Styrene | 1.120 | 1.269 | -13.3 | 127 | 0.00 |
| 71 | P | Bromoform | 0.329 | 0.369 | -12.2 | 127 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 73 | T | Isopropylbenzene | 3.464 | 3.842 | -10.9 | 121 | 0.00 |
| 74 | T | N-amyl acetate | 1.594 | 1.923 | -20.6 | 130 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.868 | 1.009 | -16.2 | 124 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.099 | 1.289 | -17.3 | 129 | 0.00 |
| 77 | T | Bromobenzene | 0.909 | 1.025 | -12.8 | 126 | 0.00 |
| 78 | T | n-propylbenzene | 3.870 | 4.390 | -13.4 | 123 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.363 | 2.670 | -13.0 | 124 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.893 | 3.218 | -11.2 | 120 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.447 | 0.529 | -18.3 | 132 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.790 | 3.127 | -12.1 | 123 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.472 | 2.746 | -11.1 | 119 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.925 | 3.245 | -10.9 | 120 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.101 | 3.537 | -14.1 | 124 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.905 | 3.354 | -15.5 | 124 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.574 | 1.706 | -8.4 | 120 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.610 | 1.757 | -9.1 | 122 | 0.00 |
| 89 | T | n-Butylbenzene | 2.419 | 2.897 | -19.8 | 128 | 0.00 |

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|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 0.502 | 0.562 | -12.0 | 121 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 1.525 | 1.678 | -10.0 | 123 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.281 | 0.301 | -7.1 | 118 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 1.013 | 1.137 | -12.2 | 123 | 0.00 |
| 94 T | Hexachlorobutadiene | 0.398 | 0.483 | -21.4 | 139 | 0.00 |
| 95 T | Naphthalene | 3.472 | 3.847 | -10.8 | 119 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 0.992 | 1.117 | -12.6 | 126 | 0.00 |

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