# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX072320\
Data File : VX017530.D
Acq On : 24 Jul 2020 06:48
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 55 Sample Multiplier: 1

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

Quant Time: Jul 24 07:49:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 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 | 96 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.523 | 0.518 | 1.0 | 106 | 0.00 |
| 3 | P | Chloromethane | 0.663 | 0.567 | 14.5 | 89 | 0.00 |
| 4 | C | Vinyl Chloride | 0.629 | 0.584 | 7.2# | 94 | 0.00 |
| 5 | T | Bromomethane | 0.365 | 0.333 | 8.8 | 89 | 0.00 |
| 6 | T | Chloroethane | 0.380 | 0.347 | 8.7 | 93 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.990 | 0.932 | 5.9 | 96 | 0.00 |
| 8 | T | Diethyl Ether | 0.358 | 0.315 | 12.0 | 89 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.543 | 0.485 | 10.7 | 88 | 0.00 |
| 10 | T | Methyl Iodide | 0.695 | 0.576 | 17.1 | 76 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.135 | 0.150 | -11.1 | 99 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.516 | 0.477 | 7.6# | 90 | 0.00 |
| 13 | T | Acrolein | 0.094 | 0.088 | 6.4 | 78 | 0.00 |
| 14 | T | Allyl chloride | 0.943 | 0.884 | 6.3 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 0.292 | 0.305 | -4.5 | 93 | 0.00 |
| 16 | T | Acetone | 0.283 | 0.290 | -2.5 | 97 | 0.00 |
| 17 | T | Carbon Disulfide | 1.570 | 1.469 | 6.4 | 93 | 0.00 |
| 18 | T | Methyl Acetate | 0.666 | 0.682 | -2.4 | 92 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.788 | 1.771 | 1.0 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 0.622 | 0.568 | 8.7 | 93 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.553 | 0.558 | -0.9 | 98 | 0.00 |
| 22 | T | Diisopropyl ether | 1.724 | 1.785 | -3.5 | 103 | 0.00 |
| 23 | T | Vinyl Acetate | 1.537 | 1.629 | -6.0 | 100 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.993 | 1.006 | -1.3 | 104 | 0.00 |
| 25 | T | 2-Butanone | 0.402 | 0.451 | -12.2 | 105 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.889 | 0.559 | 37.1# | 63 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.601 | 0.608 | -1.2 | 102 | 0.00 |
| 28 | T | Bromochloromethane | 0.450 | 0.437 | 2.9 | 97 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.249 | 0.285 | -14.5 | 103 | 0.00 |
| 30 | C | Chloroform | 1.015 | 1.055 | -3.9# | 105 | -0.01 |
| 31 | T | Cyclohexane | 0.792 | 0.849 | -7.2 | 107 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.957 | 0.981 | -2.5 | 103 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.642 | 0.692 | -7.8 | 100 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.334 | 0.343 | -2.7 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.480 | 0.493 | -2.7 | 106 | 0.00 |
| 37 | T | Ethyl Acetate | 0.525 | 0.549 | -4.6 | 96 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.582 | 0.585 | -0.5 | 105 | 0.00 |
| 39 | T | Methylcyclohexane | 0.560 | 0.539 | 3.8 | 103 | 0.00 |
| 40 | TM | Benzene | 1.375 | 1.405 | -2.2 | 102 | 0.00 |
| 41 | T | Methacrylonitrile | 0.301 | 0.306 | -1.7 | 101 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.562 | 0.573 | -2.0 | 101 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.866 | 0.887 | -2.4 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 0.402 | 0.409 | -1.7 | 104 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.381 | 0.377 | 1.0# | 108 | 0.00 |

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 55 Sample Multiplier: 1

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

Quant Time: Jul 24 07:49:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 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 | 0.269 | 0.263 | 2.2 | 106 | 0.00 |
| 47 | T | Bromodichloromethane | 0.542 | 0.556 | -2.6 | 106 | 0.00 |
| 48 | T | Methyl methacrylate | 0.429 | 0.455 | -6.1 | 107 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.008 | 0.010 | -25.0# | 122 | 0.00 |
| 50 | S | Toluene-d8 | 1.206 | 1.273 | -5.6 | 103 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.517 | 0.576 | -11.4 | 104 | 0.00 |
| 52 | CM | Toluene | 0.882 | 0.924 | -4.8# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.607 | 0.584 | 3.8 | 93 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.619 | 0.600 | 3.1 | 97 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.367 | 0.387 | -5.4 | 102 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.553 | 0.601 | -8.7 | 100 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.605 | 0.635 | -5.0 | 100 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.292 | 0.289 | 1.0 | 93 | 0.00 |
| 59 | T | 2-Hexanone | 0.389 | 0.448 | -15.2 | 103 | 0.00 |
| 60 | T | Dibromochloromethane | 0.467 | 0.491 | -5.1 | 102 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.391 | 0.425 | -8.7 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.483 | 0.527 | -9.1 | 113 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 0.449 | 0.412 | 8.2 | 102 | 0.00 |
| 65 | PM | Chlorobenzene | 1.082 | 1.056 | 2.4 | 105 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.437 | 0.420 | 3.9 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 1.807 | 1.810 | -0.2# | 106 | 0.00 |
| 68 | T | m/p-Xylenes | 0.700 | 0.695 | 0.7 | 103 | 0.00 |
| 69 | T | o-Xylene | 0.673 | 0.660 | 1.9 | 102 | 0.00 |
| 70 | T | Styrene | 1.145 | 1.182 | -3.2 | 104 | 0.00 |
| 71 | P | Bromoform | 0.378 | 0.372 | 1.6 | 100 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 73 | T | Isopropylbenzene | 3.430 | 3.407 | 0.7 | 112 | 0.00 |
| 74 | T | N-amyl acetate | 1.524 | 1.570 | -3.0 | 107 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.071 | 1.025 | 4.3 | 113 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.029 | 0.986 | 4.2 | 106 | 0.00 |
| 77 | T | Bromobenzene | 0.960 | 0.924 | 3.7 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 3.869 | 3.913 | -1.1 | 114 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.396 | 2.330 | 2.8 | 112 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.929 | 2.949 | -0.7 | 110 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.408 | 0.335 | 17.9 | 92 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.827 | 2.779 | 1.7 | 111 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.802 | 2.831 | -1.0 | 110 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.913 | 2.968 | -1.9 | 109 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.264 | 3.321 | -1.7 | 112 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.109 | 3.142 | -1.1 | 111 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.649 | 1.566 | 5.0 | 106 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.708 | 1.602 | 6.2 | 108 | 0.00 |
| 89 | T | n-Butylbenzene | 2.770 | 2.644 | 4.5 | 107 | 0.00 |

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**LabSampleId :** VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 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 | 0.613 | 0.587 | 4.2 | 109 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 1.621 | 1.520 | 6.2 | 109 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.296 | 0.268 | 9.5 | 106 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 1.106 | 1.072 | 3.1 | 105 | 0.00 |
| 94 T | Hexachlorobutadiene | 0.509 | 0.457 | 10.2 | 98 | 0.00 |
| 95 T | Naphthalene | 3.302 | 3.446 | -4.4 | 106 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 1.092 | 1.078 | 1.3 | 105 | 0.00 |

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