# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
Data File : VX025793.D
Acq On : 14 Dec 2021 22:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Dec 15 07:10:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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 | 112 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.447 | 0.436 | 2.5 | 114 | 0.00 |
| 3 | P | Chloromethane | 0.582 | 0.558 | 4.1 | 104 | 0.00 |
| 4 | C | Vinyl Chloride | 0.619 | 0.565 | 8.7# | 104 | 0.00 |
| 5 | T | Bromomethane | 0.442 | 0.389 | 12.0 | 98 | 0.00 |
| 6 | T | Chloroethane | 0.449 | 0.397 | 11.6 | 105 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.023 | 0.874 | 14.6 | 103 | 0.00 |
| 8 | T | Diethyl Ether | 0.404 | 0.381 | 5.7 | 103 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.532 | 0.459 | 13.7 | 104 | 0.00 |
| 10 | T | Methyl Iodide | 0.678 | 0.716 | -5.6 | 108 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.144 | 0.120 | 16.7 | 97 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.529 | 0.477 | 9.8# | 102 | 0.00 |
| 13 | T | Acrolein | 0.099 | 0.093 | 6.1 | 113 | 0.00 |
| 14 | T | Allyl chloride | 0.966 | 0.866 | 10.4 | 100 | 0.00 |
| 15 | T | Acrylonitrile | 0.337 | 0.326 | 3.3 | 103 | 0.00 |
| 16 | T | Acetone | 0.344 | 0.284 | 17.4 | 90 | 0.00 |
| 17 | T | Carbon Disulfide | 1.516 | 1.255 | 17.2 | 96 | 0.00 |
| 18 | T | Methyl Acetate | 1.096 | 1.053 | 3.9 | 101 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.870 | 1.862 | 0.4 | 104 | 0.00 |
| 20 | T | Methylene Chloride | 0.699 | 0.618 | 11.6 | 103 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.591 | 0.564 | 4.6 | 104 | 0.00 |
| 22 | T | Diisopropyl ether | 1.874 | 1.891 | -0.9 | 106 | 0.00 |
| 23 | T | Vinyl Acetate | 1.450 | 1.467 | -1.2 | 103 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.070 | 1.034 | 3.4 | 105 | 0.00 |
| 25 | T | 2-Butanone | 0.484 | 0.462 | 4.5 | 100 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.812 | 0.637 | 21.6 | 88 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.700 | 0.681 | 2.7 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 0.482 | 0.530 | -10.0 | 111 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.308 | 0.302 | 1.9 | 103 | 0.00 |
| 30 | C | Chloroform | 1.173 | 1.136 | 3.2# | 106 | 0.00 |
| 31 | T | Cyclohexane | 0.875 | 0.790 | 9.7 | 107 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.021 | 0.927 | 9.2 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.719 | 0.711 | 1.1 | 108 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.349 | 0.339 | 2.9 | 106 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.473 | 0.428 | 9.5 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 0.525 | 0.507 | 3.4 | 103 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.550 | 0.459 | 16.5 | 98 | 0.00 |
| 39 | T | Methylcyclohexane | 0.529 | 0.447 | 15.5 | 106 | 0.00 |
| 40 | TM | Benzene | 1.411 | 1.366 | 3.2 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 0.291 | 0.280 | 3.8 | 105 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.536 | 0.521 | 2.8 | 105 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.846 | 0.806 | 4.7 | 102 | 0.00 |
| 44 | TM | Trichloroethene | 0.393 | 0.377 | 4.1 | 108 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.356 | 0.344 | 3.4# | 105 | 0.00 |
| 46 | T | Dibromomethane | 0.277 | 0.265 | 4.3 | 104 | 0.00 |
| 47 | T | Bromodichloromethane | 0.546 | 0.498 | 8.8 | 99 | 0.00 |
| 48 | T | Methyl methacrylate | 0.399 | 0.396 | 0.8 | 105 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Dec 15 07:10:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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 | 0.009 | 0.009 | 0.0 | 104 | 0.00 |
| 50 | S | Toluene-d8 | 1.271 | 1.239 | 2.5 | 109 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.554 | 0.550 | 0.7 | 106 | 0.00 |
| 52 | CM | Toluene | 0.899 | 0.896 | 0.3# | 106 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.520 | 0.484 | 6.9 | 95 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.569 | 0.548 | 3.7 | 101 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.385 | 0.375 | 2.6 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.554 | 0.560 | -1.1 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.632 | 0.627 | 0.8 | 107 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.242 | 0.243 | -0.4 | 106 | 0.00 |
| 59 | T | 2-Hexanone | 0.420 | 0.417 | 0.7 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 0.437 | 0.406 | 7.1 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.418 | 0.412 | 1.4 | 107 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.483 | 0.485 | -0.4 | 112 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 64 | T | Tetrachloroethene | 0.399 | 0.373 | 6.5 | 106 | 0.00 |
| 65 | PM | Chlorobenzene | 1.042 | 1.026 | 1.5 | 109 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.407 | 0.376 | 7.6 | 100 | 0.00 |
| 67 | C | Ethyl Benzene | 1.762 | 1.740 | 1.2# | 106 | 0.00 |
| 68 | T | m/p-Xylenes | 0.686 | 0.691 | -0.7 | 106 | 0.00 |
| 69 | T | o-Xylene | 0.675 | 0.695 | -3.0 | 109 | 0.00 |
| 70 | T | Styrene | 1.123 | 1.169 | -4.1 | 106 | 0.00 |
| 71 | P | Bromoform | 0.335 | 0.300 | 10.4 | 94 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 73 | T | Isopropylbenzene | 3.629 | 3.522 | 2.9 | 109 | 0.00 |
| 74 | T | N-amyl acetate | 1.460 | 1.479 | -1.3 | 107 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.265 | 1.204 | 4.8 | 106 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.146 | 1.035 | 9.7 | 102 | 0.00 |
| 77 | T | Bromobenzene | 0.931 | 0.932 | -0.1 | 110 | 0.00 |
| 78 | T | n-propylbenzene | 4.105 | 3.933 | 4.2 | 106 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.610 | 2.489 | 4.6 | 107 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.010 | 2.981 | 1.0 | 107 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.370 | 0.293 | 20.8 | 85 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.923 | 2.820 | 3.5 | 105 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.950 | 2.822 | 4.3 | 108 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.007 | 3.025 | -0.6 | 107 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.546 | 3.416 | 3.7 | 107 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.978 | 2.925 | 1.8 | 107 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.734 | 1.694 | 2.3 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.771 | 1.698 | 4.1 | 107 | 0.00 |
| 89 | T | n-Butylbenzene | 2.484 | 2.332 | 6.1 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 0.585 | 0.450 | 23.1 | 86 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.656 | 1.667 | -0.7 | 107 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.284 | 0.248 | 12.7 | 93 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.848 | 0.915 | -7.9 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.352 | 0.332 | 5.7 | 111 | 0.00 |
| 95 | T | Naphthalene | 2.820 | 3.282 | -16.4 | 106 | 0.00 |

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ALS Vial : 27 Sample Multiplier: 1

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

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Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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 | 0.846 | 0.931 | -10.0 | 108 | 0.00 |

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