# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030223\
Data File : VX034296.D
Acq On : 02 Mar 2023 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 03 00:18:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
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 | 67 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.432 | 0.426 | 1.4 | 62 | 0.00 |
| 3 | P | Chloromethane | 0.622 | 0.628 | -1.0 | 65 | 0.00 |
| 4 | C | Vinyl Chloride | 0.566 | 0.602 | -6.4# | 68 | 0.00 |
| 5 | T | Bromomethane | 0.225 | 0.313 | -39.1# | 86 | 0.00 |
| 6 | T | Chloroethane | 0.285 | 0.349 | -22.5 | 76 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.766 | 0.876 | -14.4 | 75 | 0.00 |
| 8 | T | Diethyl Ether | 0.309 | 0.354 | -14.6 | 79 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.539 | 0.489 | 9.3 | 59 | 0.00 |
| 10 | T | Methyl Iodide | 0.657 | 0.640 | 2.6 | 61 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.151 | 0.138 | 8.6 | 63 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.541 | 0.480 | 11.3# | 58 | 0.00 |
| 13 | T | Acrolein | 0.069 | 0.081 | -17.4 | 83 | 0.00 |
| 14 | T | Allyl chloride | 1.147 | 1.022 | 10.9 | 58 | 0.00 |
| 15 | T | Acrylonitrile | 0.329 | 0.334 | -1.5 | 66 | 0.00 |
| 16 | T | Acetone | 0.347 | 0.327 | 5.8 | 64 | 0.00 |
| 17 | T | Carbon Disulfide | 1.555 | 1.373 | 11.7 | 58 | 0.00 |
| 18 | T | Methyl Acetate | 1.075 | 1.075 | 0.0 | 63 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.909 | 1.924 | -0.8 | 66 | 0.00 |
| 20 | T | Methylene Chloride | 0.626 | 0.605 | 3.4 | 66 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.567 | 0.558 | 1.6 | 63 | 0.00 |
| 22 | T | Diisopropyl ether | 2.011 | 2.156 | -7.2 | 69 | 0.00 |
| 23 | T | Vinyl Acetate | 1.611 | 1.710 | -6.1 | 69 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.104 | 1.083 | 1.9 | 64 | 0.00 |
| 25 | T | 2-Butanone | 0.503 | 0.505 | -0.4 | 67 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.000 | 0.906 | 9.4 | 60 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.671 | 0.681 | -1.5 | 66 | 0.00 |
| 28 | T | Bromochloromethane | 0.493 | 0.502 | -1.8 | 69 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.307 | 0.315 | -2.6 | 67 | 0.00 |
| 30 | C | Chloroform | 1.060 | 1.094 | -3.2# | 67 | 0.00 |
| 31 | T | Cyclohexane | 1.005 | 0.949 | 5.6 | 60 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.950 | 0.915 | 3.7 | 63 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.673 | 0.667 | 0.9 | 69 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 67 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.326 | 0.324 | 0.6 | 70 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.481 | 0.461 | 4.2 | 62 | 0.00 |
| 37 | T | Ethyl Acetate | 0.538 | 0.567 | -5.4 | 67 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.495 | 0.461 | 6.9 | 61 | 0.00 |
| 39 | T | Methylcyclohexane | 0.620 | 0.578 | 6.8 | 60 | 0.00 |
| 40 | TM | Benzene | 1.427 | 1.431 | -0.3 | 66 | 0.00 |
| 41 | T | Methacrylonitrile | 0.300 | 0.313 | -4.3 | 67 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.502 | 0.529 | -5.4 | 69 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.950 | 0.969 | -2.0 | 67 | 0.00 |
| 44 | TM | Trichloroethene | 0.366 | 0.364 | 0.5 | 65 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.380 | 0.388 | -2.1# | 67 | 0.00 |
| 46 | T | Dibromomethane | 0.250 | 0.261 | -4.4 | 69 | 0.00 |
| 47 | T | Bromodichloromethane | 0.513 | 0.526 | -2.5 | 67 | 0.00 |
| 48 | T | Methyl methacrylate | 0.451 | 0.460 | -2.0 | 67 | 0.00 |

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ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 03 00:18:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
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 | 72 | 0.00 |
| 50 | S | Toluene-d8 | 1.169 | 1.178 | -0.8 | 69 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.522 | 0.579 | -10.9 | 73 | 0.00 |
| 52 | CM | Toluene | 0.865 | 0.910 | -5.2# | 70 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.590 | 0.625 | -5.9 | 69 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.632 | 0.649 | -2.7 | 66 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.349 | 0.386 | -10.6 | 73 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.590 | 0.638 | -8.1 | 70 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.607 | 0.658 | -8.4 | 71 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.256 | 0.266 | -3.9 | 69 | 0.00 |
| 59 | T | 2-Hexanone | 0.398 | 0.448 | -12.6 | 74 | 0.00 |
| 60 | T | Dibromochloromethane | 0.386 | 0.426 | -10.4 | 73 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.369 | 0.413 | -11.9 | 74 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.447 | 0.496 | -11.0 | 77 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 64 | T | Tetrachloroethene | 0.353 | 0.326 | 7.6 | 67 | 0.00 |
| 65 | PM | Chlorobenzene | 1.042 | 1.049 | -0.7 | 73 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.403 | 0.402 | 0.2 | 72 | 0.00 |
| 67 | C | Ethyl Benzene | 1.872 | 1.876 | -0.2# | 71 | 0.00 |
| 68 | T | m/p-Xylenes | 0.717 | 0.723 | -0.8 | 73 | 0.00 |
| 69 | T | o-Xylene | 0.713 | 0.725 | -1.7 | 73 | 0.00 |
| 70 | T | Styrene | 1.160 | 1.221 | -5.3 | 75 | 0.00 |
| 71 | P | Bromoform | 0.329 | 0.341 | -3.6 | 75 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 73 | T | Isopropylbenzene | 3.811 | 3.585 | 5.9 | 73 | 0.00 |
| 74 | T | N-amyl acetate | 1.914 | 1.898 | 0.8 | 79 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.303 | 1.271 | 2.5 | 78 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.258 | 1.082 | 14.0 | 68 | 0.00 |
| 77 | T | Bromobenzene | 0.917 | 0.894 | 2.5 | 77 | 0.00 |
| 78 | T | n-propylbenzene | 4.432 | 4.260 | 3.9 | 74 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.718 | 2.625 | 3.4 | 76 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.204 | 3.078 | 3.9 | 75 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.490 | 0.460 | 6.1 | 73 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.095 | 3.057 | 1.2 | 78 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.281 | 3.034 | 7.5 | 72 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.239 | 3.133 | 3.3 | 76 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.985 | 3.774 | 5.3 | 73 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.298 | 3.177 | 3.7 | 73 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.720 | 1.697 | 1.3 | 77 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.735 | 1.703 | 1.8 | 77 | 0.00 |
| 89 | T | n-Butylbenzene | 2.937 | 2.838 | 3.4 | 73 | 0.00 |
| 90 | T | Hexachloroethane | 0.689 | 0.625 | 9.3 | 70 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.683 | 1.639 | 2.6 | 76 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.311 | 0.286 | 8.0 | 72 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.080 | 1.041 | 3.6 | 73 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.448 | 0.406 | 9.4 | 69 | 0.00 |
| 95 | T | Naphthalene | 3.639 | 3.508 | 3.6 | 75 | 0.00 |

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QLast Update : Fri Feb 17 12:33:35 2023
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Max. RRF Dev : 25% Max. Rel. Area : 150%

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.073 | 1.032 | 3.8 | 75 | 0.00 |

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