# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
Data File : VX037355.D
Acq On : 29 Aug 2023 20:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Aug 30 02:10:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 65 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 44.703 | 10.6 | 58 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 65.445 | -30.9# | 79 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 56.127 | -12.3# | 72 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 46.454 | 7.1 | 62 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 59.817 | -19.6 | 81 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.207 | 5.6 | 63 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 67.824 | -35.6# | 80 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 43.367 | 13.3 | 60 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 43.486 | 13.0 | 51 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 342.318 | -36.9# | 84 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.663 | -3.3# | 68 | 0.00 |
| 13 | T | Acrolein | 250.000 | 235.488 | 5.8 | 58 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 58.675 | -17.3 | 70 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 373.365 | -49.3# | 89 | 0.00 |
| 16 | T | Acetone | 250.000 | 339.144 | -35.7# | 85 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.478 | 7.0 | 62 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 69.657 | -39.3# | 83 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 66.194 | -32.4# | 79 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 64.509 | -29.0# | 84 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 55.332 | -10.7 | 69 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 64.169 | -28.3# | 77 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 333.519 | -33.4# | 77 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 60.773 | -21.5 | 74 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 352.996 | -41.2# | 84 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 39.042 | 21.9 | 50 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 62.024 | -24.0 | 76 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 62.709 | -25.4# | 75 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 351.063 | -40.4# | 83 | 0.00 |
| 30 | C | Chloroform | 50.000 | 61.838 | -23.7# | 76 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 44.576 | 10.8 | 62 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.605 | -7.2 | 68 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 53.991 | -8.0 | 65 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 74 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 47.840 | 4.3 | 69 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 41.754 | 16.5 | 65 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 57.518 | -15.0 | 81 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 42.325 | 15.3 | 64 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 39.375 | 21.3 | 68 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.805 | -5.6 | 76 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 59.504 | -19.0 | 82 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.281 | -8.6 | 76 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 57.214 | -14.4 | 78 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 46.109 | 7.8 | 69 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 56.010 | -12.0# | 79 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 56.620 | -13.2 | 78 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 55.266 | -10.5 | 76 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 58.172 | -16.3 | 81 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Aug 30 02:10:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1307.223 | -30.7# | 90 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 43.426 | 13.1 | 63 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 308.463 | -23.4 | 86 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.183 | -4.4# | 76 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 54.044 | -8.1 | 72 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.223 | -6.4 | 73 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 60.454 | -20.9 | 85 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 60.975 | -22.0 | 84 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 58.843 | -17.7 | 83 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 290.004 | -16.0 | 81 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 311.442 | -24.6 | 86 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 59.551 | -19.1 | 80 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 59.503 | -19.0 | 83 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.146 | 5.7 | 70 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 80 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 36.315 | 27.4# | 61 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.574 | 0.9 | 79 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.512 | -5.0 | 80 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 46.549 | 6.9# | 75 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 93.688 | 6.3 | 76 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.661 | -1.3 | 80 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.548 | -5.1 | 81 | 0.00 |
| 71 | P | Bromoform | 50.000 | 57.797 | -15.6 | 81 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 81 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 44.989 | 10.0 | 76 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.237 | -8.5 | 82 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 57.423 | -14.8 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 54.116 | -8.2 | 87 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.277 | -4.6 | 84 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 44.322 | 11.4 | 75 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.378 | 3.2 | 80 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 47.674 | 4.7 | 79 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 48.160 | 3.7 | 73 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 47.165 | 5.7 | 77 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.676 | 0.6 | 85 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.148 | 1.7 | 81 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 46.465 | 7.1 | 81 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 47.132 | 5.7 | 81 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.118 | 3.8 | 79 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.258 | 5.5 | 78 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 44.134 | 11.7 | 77 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.729 | -1.5 | 83 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.381 | -4.8 | 83 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 59.284 | -18.6 | 87 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.569 | 0.9 | 82 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 41.238 | 17.5 | 76 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 47.851 | 4.3 | 82 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Aug 30 02:10:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.793 | -7.6 | 88 | 0.00 |

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