Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
Data File : VX036822.D
Acq On : 04 Aug 2023 19:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Aug 04 23:10:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 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 | 140 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 26.043 | 47.9# | 77 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 27.412 | 45.2# | 81 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 28.174 | 43.7# | 80 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 20.967 | 58.1# | 61 | -0.02 |
| 6 | T | Chloroethane | 50.000 | 31.456 | 37.1# | 84 | -0.02 |
| 7 | T | Trichlorofluoromethane | 50.000 | 28.670 | 42.7# | 81 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 29.345 | 41.3# | 88 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 24.605 | 50.8# | 69 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 31.234 | 37.5# | 82 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 159.710 | 36.1# | 90 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 26.769 | 46.5# | 77 | 0.00 |
| 13 | T | Acrolein | 250.000 | 120.436 | 51.8# | 70 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 23.712 | 52.6# | 68 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 140.203 | 43.9# | 78 | 0.00 |
| 16 | T | Acetone | 250.000 | 140.958 | 43.6# | 81 | -0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 25.373 | 49.3# | 73 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 27.240 | 45.5# | 76 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 28.599 | 42.8# | 80 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 26.709 | 46.6# | 79 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 27.004 | 46.0# | 78 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 25.474 | 49.1# | 72 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 133.128 | 46.7# | 73 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 27.079 | 45.8# | 76 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 138.571 | 44.6# | 77 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 18.474 | 63.1# | 53 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 27.431 | 45.1# | 79 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 24.743 | 50.5# | 69 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 137.725 | 44.9# | 76 | 0.00 |
| 30 | C | Chloroform | 50.000 | 28.350 | 43.3# | 80 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 22.227 | 55.5# | 63 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 26.747 | 46.5# | 76 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.227 | 3.5 | 138 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 145 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.692 | 2.6 | 145 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 24.395 | 51.2# | 72 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 26.052 | 47.9# | 75 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 25.431 | 49.1# | 74 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 21.881 | 56.2# | 64 | 0.00 |
| 40 | TM | Benzene | 50.000 | 25.916 | 48.2# | 75 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 25.864 | 48.3# | 74 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 28.141 | 43.7# | 81 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 24.872 | 50.3# | 73 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 25.683 | 48.6# | 75 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 25.378 | 49.2# | 74 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 27.715 | 44.6# | 81 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 26.352 | 47.3# | 77 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 25.148 | 49.7# | 72 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Aug 04 23:10:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 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 | 619.443 | 38.1# | 90 | -0.04 |
| 50 | S | Toluene-d8 | 50.000 | 46.632 | 6.7 | 136 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 131.502 | 47.4# | 74 | 0.00 |
| 52 | CM | Toluene | 50.000 | 25.672 | 48.7# | 74 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 24.447 | 51.1# | 69 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 24.322 | 51.4# | 70 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 26.550 | 46.9# | 78 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 26.520 | 47.0# | 75 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 26.902 | 46.2# | 77 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 119.004 | 52.4# | 69 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 135.660 | 45.7# | 76 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 26.676 | 46.6# | 76 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 28.213 | 43.6# | 81 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.955 | 2.1 | 137 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 143 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 24.929 | 50.1# | 72 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 25.633 | 48.7# | 73 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 26.565 | 46.9# | 76 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 24.549 | 50.9# | 70 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 50.276 | 49.7# | 71 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 25.544 | 48.9# | 72 | 0.00 |
| 70 | T | Styrene | 50.000 | 25.931 | 48.1# | 72 | 0.00 |
| 71 | P | Bromoform | 50.000 | 27.131 | 45.7# | 75 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 144 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 23.536 | 52.9# | 69 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 24.335 | 51.3# | 71 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 26.233 | 47.5# | 78 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 26.437 | 47.1# | 77 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 25.473 | 49.1# | 73 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 23.398 | 53.2# | 67 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 23.786 | 52.4# | 70 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 24.206 | 51.6# | 70 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 21.913 | 56.2# | 62 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 24.079 | 51.8# | 70 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 23.875 | 52.3# | 70 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 24.104 | 51.8# | 70 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 23.781 | 52.4# | 68 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 24.034 | 51.9# | 68 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 25.593 | 48.8# | 74 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 25.894 | 48.2# | 74 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 23.089 | 53.8# | 65 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 22.421 | 55.2# | 65 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 26.738 | 46.5# | 78 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 28.292 | 43.4# | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 26.060 | 47.9# | 74 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 22.934 | 54.1# | 68 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 28.971 | 42.1# | 83 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Aug 04 23:10:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 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 | 27.154 | 45.7# 78 | 0.00 |

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