# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037718.D
Acq On : 14 Sep 2023 08:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Sep 14 08:52:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 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 | 120 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.543 | 12.9 | 104 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.800 | 6.4 | 116 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 43.019 | 14.0# | 106 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 40.355 | 19.3 | 95 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 45.977 | 8.0 | 119 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 42.368 | 15.3 | 98 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.622 | 6.8 | 110 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.518 | 7.0 | 114 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 58.823 | -17.6 | 138 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 266.669 | -6.7 | 125 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.600 | 4.8# | 119 | 0.00 |
| 13 | T | Acrolein | 250.000 | 237.680 | 4.9 | 113 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 46.025 | 8.0 | 112 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 251.059 | -0.4 | 119 | 0.00 |
| 16 | T | Acetone | 250.000 | 240.893 | 3.6 | 120 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 41.949 | 16.1 | 106 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 50.338 | -0.7 | 122 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.928 | -3.9 | 125 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.902 | -5.8 | 125 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.939 | 4.1 | 117 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.684 | -1.4 | 121 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 253.120 | -1.2 | 116 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.687 | 2.6 | 119 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 235.825 | 5.7 | 114 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 27.676 | 44.6# | 64 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.689 | -1.4 | 124 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.961 | 0.1 | 120 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 239.679 | 4.1 | 115 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.616 | 0.8# | 118 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 43.776 | 12.4 | 104 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.966 | 2.1 | 115 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.426 | 3.1 | 118 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 119 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.763 | -3.5 | 124 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 44.837 | 10.3 | 107 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.594 | -1.2 | 114 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.162 | 3.7 | 113 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 44.814 | 10.4 | 105 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.000 | 2.0 | 115 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.666 | -1.3 | 114 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.761 | 2.5 | 115 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.642 | -3.3 | 117 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.402 | 1.2 | 119 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.538 | -1.1# | 118 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.913 | -3.8 | 123 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.321 | -6.6 | 121 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.619 | -3.2 | 117 | 0.00 |

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ALS Vial : 43 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 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 | 1111.010 | -11.1 | 126 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.852 | 2.3 | 115 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 256.671 | -2.7 | 114 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.503 | 3.0# | 113 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.847 | -1.7 | 111 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.209 | -0.4 | 112 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.386 | -6.8 | 122 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.088 | -8.2 | 121 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.318 | -2.6 | 120 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 269.378 | -7.8 | 129 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 258.349 | -3.3 | 112 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.700 | -11.4 | 123 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.096 | -6.2 | 121 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.047 | -2.1 | 116 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 115 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.650 | -3.3 | 124 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.855 | 0.3 | 115 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 56.541 | -13.1 | 125 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.285 | 1.4# | 111 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.945 | 0.1 | 111 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.172 | -2.3 | 115 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.188 | -4.4 | 113 | 0.00 |
| 71 | P | Bromoform | 50.000 | 60.471 | -20.9 | 127 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 114 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 47.442 | 5.1 | 111 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.687 | -3.4 | 114 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.257 | -0.5 | 115 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.725 | -1.5 | 117 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.972 | -3.9 | 120 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 47.918 | 4.2 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.301 | 5.4 | 110 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.620 | 0.8 | 112 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.423 | 11.2 | 96 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.381 | 3.2 | 112 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 47.867 | 4.3 | 108 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.004 | 2.0 | 110 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.125 | 3.8 | 108 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.360 | 1.3 | 109 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.500 | 1.0 | 115 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.102 | 3.8 | 113 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 47.523 | 5.0 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.648 | -1.3 | 110 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.012 | -2.0 | 116 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.611 | -3.2 | 113 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.486 | -3.0 | 119 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.651 | -3.3 | 116 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.526 | -5.1 | 117 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.944 | -3.9 | 122 | 0.00 |

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