# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050422\
Data File : VX028526.D
Acq On : 04 May 2022 17:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 05 03:19:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
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 | 115 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 58.748 | -17.5 | 152 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 57.413 | -14.8 | 132 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 45.168 | 9.7# | 117 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 49.360 | 1.3 | 105 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 45.107 | 9.8 | 106 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 38.945 | 22.1 | 100 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 48.970 | 2.1 | 113 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 59.213 | -18.4 | 169 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.472 | 1.1 | 128 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 219.511 | 12.2 | 110 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 54.987 | -10.0# | 156 | 0.00 |
| 13 | T | Acrolein | 250.000 | 192.923 | 22.8 | 82 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.940 | 4.1 | 120 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 253.907 | -1.6 | 121 | 0.00 |
| 16 | T | Acetone | 250.000 | 276.389 | -10.6 | 138 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 42.810 | 14.4 | 111 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 51.031 | -2.1 | 132 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.415 | -2.8 | 120 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 53.239 | -6.5 | 141 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 46.241 | 7.5 | 112 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 48.857 | 2.3 | 117 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 241.528 | 3.4 | 113 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.107 | -0.2 | 127 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 234.737 | 6.1 | 113 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 43.492 | 13.0 | 105 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.152 | 1.7 | 120 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 43.598 | 12.8 | 102 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 226.149 | 9.5 | 110 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.228 | 3.5# | 116 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 42.271 | 15.5 | 102 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.344 | 7.3 | 110 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.900 | 8.2 | 110 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.720 | -3.4 | 118 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.701 | 4.6 | 111 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.529 | 0.9 | 114 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.627 | 2.7 | 109 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 43.840 | 12.3 | 101 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.416 | 1.2 | 112 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 51.609 | -3.2 | 119 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.781 | 4.4 | 110 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.108 | 1.8 | 114 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.937 | -1.9 | 117 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.808 | -1.6# | 118 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.431 | -0.9 | 117 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.116 | -2.2 | 115 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.040 | -0.1 | 116 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 05 03:19:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
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 | 877.828 | 12.2 | 99 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.867 | 4.3 | 108 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 250.891 | -0.4 | 116 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.599 | 2.8# | 109 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.747 | 0.5 | 108 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.417 | -0.8 | 113 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.549 | -5.1 | 120 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.297 | -6.6 | 118 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.986 | -2.0 | 117 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 254.987 | -2.0 | 109 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 248.918 | 0.4 | 113 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.539 | -5.1 | 114 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.749 | -1.5 | 112 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.032 | 1.9 | 108 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.717 | -3.4 | 116 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.771 | -3.5 | 113 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.130 | -8.3 | 117 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.469 | -4.9# | 110 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 103.845 | -3.8 | 108 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.558 | -3.1 | 109 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.058 | -8.1 | 111 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.339 | 1.3 | 119 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.709 | -5.4 | 111 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.811 | -9.6 | 115 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.752 | -9.5 | 117 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 54.013 | -8.0 | 111 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 53.096 | -6.2 | 114 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.560 | -7.1 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.804 | -3.6 | 108 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.066 | -4.1 | 106 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 51.191 | -2.4 | 103 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.926 | -3.9 | 107 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.708 | -5.4 | 109 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.728 | -5.5 | 106 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.539 | -5.1 | 107 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.106 | -4.2 | 104 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.405 | -6.8 | 109 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.445 | -2.9 | 108 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.713 | -5.4 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.389 | 1.2 | 106 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.509 | -7.0 | 110 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.882 | -3.8 | 107 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 56.880 | -13.8 | 119 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 53.057 | -6.1 | 115 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 56.919 | -13.8 | 113 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 57.201 | -14.4 | 118 | 0.00 |

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