# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
Data File : VX028165.D
Acq On : 19 Apr 2022 17:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Apr 20 08:16:36 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 | 144 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 74.473 | -48.9# | 241 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 62.895 | -25.8# | 180 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.715 | 6.6# | 150 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 34.539 | 30.9# | 98 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 42.430 | 15.1 | 125 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 37.712 | 24.6 | 121 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 44.305 | 11.4 | 128 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 55.973 | -11.9 | 200 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 56.127 | -12.3 | 183 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 210.651 | 15.7 | 132 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 55.806 | -11.6# | 198 | 0.00 |
| 13 | T | Acrolein | 250.000 | 240.154 | 3.9 | 127 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.138 | 11.7 | 138 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 212.453 | 15.0 | 127 | 0.00 |
| 16 | T | Acetone | 250.000 | 231.172 | 7.5 | 144 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.338 | 5.3 | 153 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 43.053 | 13.9 | 139 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 45.094 | 9.8 | 131 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.768 | 4.5 | 158 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 44.559 | 10.9 | 135 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 40.317 | 19.4 | 121 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 207.329 | 17.1 | 121 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 43.248 | 13.5 | 137 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 194.375 | 22.3 | 117 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 41.348 | 17.3 | 125 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 44.599 | 10.8 | 136 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 38.429 | 23.1 | 112 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 190.191 | 23.9 | 115 | 0.00 |
| 30 | C | Chloroform | 50.000 | 40.432 | 19.1# | 121 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 40.519 | 19.0 | 121 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 42.905 | 14.2 | 127 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 41.848 | 16.3 | 125 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 132 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.011 | -0.0 | 138 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 44.540 | 10.9 | 124 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 42.985 | 14.0 | 119 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.523 | 5.0 | 128 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 44.625 | 10.8 | 123 | 0.00 |
| 40 | TM | Benzene | 50.000 | 44.948 | 10.1 | 122 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 43.206 | 13.6 | 120 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 41.926 | 16.1 | 116 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 42.919 | 14.2 | 120 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.484 | -1.0 | 140 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 43.248 | 13.5# | 121 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 44.795 | 10.4 | 125 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 43.277 | 13.4 | 117 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 42.672 | 14.7 | 119 | 0.00 |

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ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Apr 20 08:16:36 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 | 821.428 | 17.9 | 111 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 46.834 | 6.3 | 127 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 205.902 | 17.6 | 114 | 0.00 |
| 52 | CM | Toluene | 50.000 | 43.882 | 12.2# | 119 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 45.290 | 9.4 | 118 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 44.587 | 10.8 | 120 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 44.731 | 10.5 | 123 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 44.558 | 10.9 | 118 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 43.092 | 13.8 | 119 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 236.699 | 5.3 | 122 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 208.273 | 16.7 | 114 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 45.599 | 8.8 | 119 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 45.091 | 9.8 | 119 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 46.988 | 6.0 | 125 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 122 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.649 | -3.3 | 136 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.996 | 4.0 | 122 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.340 | 1.3 | 125 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 47.801 | 4.4# | 118 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 97.587 | 2.4 | 119 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.667 | 2.7 | 120 | 0.00 |
| 70 | T | Styrene | 50.000 | 49.448 | 1.1 | 119 | 0.00 |
| 71 | P | Bromoform | 50.000 | 44.560 | 10.9 | 125 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 121 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 45.496 | 9.0 | 118 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 46.396 | 7.2 | 120 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 44.162 | 11.7 | 116 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.435 | 11.1 | 113 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.501 | 1.0 | 131 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 46.021 | 8.0 | 116 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 44.466 | 11.1 | 115 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 46.550 | 6.9 | 117 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.846 | 10.3 | 112 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 45.167 | 9.7 | 115 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 46.665 | 6.7 | 119 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 46.982 | 6.0 | 116 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 46.541 | 6.9 | 117 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.025 | 4.0 | 118 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.632 | 0.7 | 125 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.905 | 4.2 | 124 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 46.901 | 6.2 | 115 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 42.725 | 14.5 | 112 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.638 | 0.7 | 126 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 43.368 | 13.3 | 111 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.323 | -8.6 | 141 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.648 | 0.7 | 133 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 53.518 | -7.0 | 131 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 54.197 | -8.4 | 138 | 0.00 |

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