Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
Data File : VU044114.D
Acq On : 08 Jun 2021 15:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**LabSampleId :** VSTDCCC050

Quant Time: Jun 08 23:13:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 08 17:38:51 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.131 | 7.7 | 96 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 44.421 | 11.2 | 88 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 42.943 | 14.1# | 91 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 33.531 | 32.9# | 64 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 43.579 | 12.8 | 92 | -0.01 |
| 7 | T | Trichlorofluoromethane | 50.000 | 45.353 | 9.3 | 96 | -0.01 |
| 8 | T | Diethyl Ether | 50.000 | 43.233 | 13.5 | 93 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 45.371 | 9.3 | 98 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.504 | 5.0 | 93 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 236.905 | 5.2 | 100 | 0.03 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.452 | 7.1# | 96 | 0.00 |
| 13 | T | Acrolein | 250.000 | 173.456 | 30.6# | 74 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 42.487 | 15.0 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 220.698 | 11.7 | 88 | 0.00 |
| 16 | T | Acetone | 250.000 | 238.157 | 4.7 | 108 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 44.302 | 11.4 | 93 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 43.676 | 12.6 | 87 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 48.558 | 2.9 | 97 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.768 | 4.5 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.133 | 5.7 | 97 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 45.730 | 8.5 | 90 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 231.483 | 7.4 | 88 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 44.135 | 11.7 | 93 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 233.396 | 6.6 | 94 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.047 | 3.9 | 100 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.090 | 5.8 | 96 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 43.507 | 13.0 | 89 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 218.617 | 12.6 | 84 | 0.00 |
| 30 | C | Chloroform | 50.000 | 44.626 | 10.7# | 94 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 43.091 | 13.8 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.634 | 6.7 | 98 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 43.340 | 13.3 | 91 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.112 | 3.8 | 96 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.152 | 3.7 | 95 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 46.040 | 7.9 | 88 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.875 | 4.3 | 96 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.185 | -0.4 | 98 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.196 | 3.6 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.484 | 5.0 | 88 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 46.415 | 7.2 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 46.745 | 6.5 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.904 | 0.2 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 46.454 | 7.1# | 93 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 46.980 | 6.0 | 94 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 47.303 | 5.4 | 93 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 47.881 | 4.2 | 89 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**LabSampleId :** VSTDCCC050

Quant Time: Jun 08 23:13:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 08 17:38:51 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1073.961 | -7.4 | 100 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.475 | 3.0 | 95 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 252.389 | -1.0 | 94 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.422 | -0.8# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.909 | -1.8 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.307 | 1.4 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.722 | -1.4 | 101 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 46.781 | 6.4 | 99 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.719 | 2.6 | 96 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 251.244 | -0.5 | 110 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 263.984 | -5.6 | 97 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.469 | -0.9 | 101 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.905 | -1.8 | 99 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.584 | -5.2 | 106 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.539 | -3.1 | 101 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.105 | 1.8 | 102 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.541 | 0.9 | 102 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.213 | -0.4# | 99 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 105.590 | -5.6 | 102 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.142 | -4.3 | 101 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.828 | -11.7 | 105 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.669 | -3.3 | 106 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 113 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.576 | 0.8 | 104 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 47.292 | 5.4 | 98 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.559 | 8.9 | 103 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.706 | 2.6 | 105 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.007 | -0.0 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.680 | 0.6 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.796 | 2.4 | 106 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.323 | -2.6 | 106 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.748 | 4.5 | 104 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.247 | -0.5 | 107 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.366 | -0.7 | 106 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 48.110 | 3.8 | 107 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.712 | -3.4 | 107 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.089 | -6.2 | 107 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.099 | -0.2 | 112 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.965 | 4.1 | 111 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.931 | -1.9 | 107 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 46.637 | 6.7 | 106 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.257 | 1.5 | 109 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.687 | 10.6 | 98 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.733 | -5.5 | 110 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.234 | -0.5 | 114 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 45.292 | 9.4 | 102 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 08 23:13:30 2021
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Quant Title : SW846 8260
QLast Update : Tue Jun 08 17:38:51 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.413 | -6.8 | 109 | 0.00 |

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