Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
Data File : VU043669.D
Acq On : 12 May 2021 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 12 16:44:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Tue May 11 09:51:45 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 | 108 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.800 | 2.4 | 109 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 53.761 | -7.5 | 120 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 50.301 | -0.6# | 112 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 44.453 | 11.1 | 97 | 0.01 |
| 6 | T | Chloroethane | 50.000 | 46.872 | 6.3 | 106 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.398 | -0.8 | 108 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.646 | -5.3 | 112 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 52.994 | -6.0 | 114 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 38.839 | 22.3# | 81 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 229.490 | 8.2 | 111 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.850 | -1.7# | 106 | 0.00 |
| 13 | T | Acrolein | 250.000 | 303.087 | -21.2# | 139 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.724 | -7.4 | 114 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 287.680 | -15.1 | 121 | 0.00 |
| 16 | T | Acetone | 250.000 | 280.542 | -12.2 | 126 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.487 | 3.0 | 106 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 58.918 | -17.8 | 126 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.855 | -5.7 | 108 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.476 | 5.0 | 110 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.639 | -5.3 | 107 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.014 | -8.0 | 109 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 246.739 | 1.3 | 111 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.229 | -0.5 | 107 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 285.816 | -14.3 | 122 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 60.091 | -20.2# | 127 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.577 | -3.2 | 105 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.936 | 0.1 | 110 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 291.708 | -16.7 | 121 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.667 | 0.7# | 105 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.008 | 2.0 | 111 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.154 | 1.7 | 104 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.806 | 8.4 | 108 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 47.733 | 4.5 | 110 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 54.144 | -8.3 | 108 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 56.803 | -13.6 | 117 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 52.046 | -4.1 | 106 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 55.453 | -10.9 | 113 | 0.00 |
| 40 | TM | Benzene | 50.000 | 53.034 | -6.1 | 107 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.122 | -6.2 | 116 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 52.046 | -4.1 | 106 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.288 | -10.6 | 112 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.422 | -4.8 | 104 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.978 | -6.0# | 110 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.841 | -7.7 | 105 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.371 | -6.7 | 106 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.544 | -9.1 | 110 | 0.00 |

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

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

Quant Time: May 12 16:44:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Tue May 11 09:51:45 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 | 906.393 | 9.4 | 101 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.951 | -1.9 | 110 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 245.279 | 1.9 | 115 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.453 | -6.9# | 105 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.550 | -1.1 | 111 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 56.684 | -13.4 | 113 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.451 | -4.9 | 107 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 46.781 | 6.4 | 109 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.495 | -9.0 | 111 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 223.797 | 10.5 | 104 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 241.453 | 3.4 | 114 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.393 | -4.8 | 106 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.499 | -7.0 | 107 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.731 | 2.5 | 111 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 52.962 | -5.9 | 104 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.721 | -5.4 | 106 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.325 | -4.7 | 105 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.731 | 0.5# | 105 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 100.548 | -0.5 | 104 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.961 | 2.1 | 104 | 0.00 |
| 70 | T | Styrene | 50.000 | 47.890 | 4.2 | 103 | 0.00 |
| 71 | P | Bromoform | 50.000 | 46.201 | 7.6 | 106 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 56.226 | -12.5 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.738 | 0.5 | 108 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.926 | -3.9 | 106 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.140 | -0.3 | 104 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.606 | -5.2 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 57.896 | -15.8 | 107 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 54.261 | -8.5 | 104 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.022 | -4.0 | 104 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 58.099 | -16.2 | 122 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 56.684 | -13.4 | 106 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 54.557 | -9.1 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.500 | -3.0 | 104 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.307 | -2.6 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.786 | -3.6 | 106 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.892 | -3.8 | 103 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.721 | -1.4 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.484 | -3.0 | 109 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 55.061 | -10.1 | 112 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.347 | -0.7 | 99 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 61.335 | -22.7# | 119 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.150 | -8.3 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 54.850 | -9.7 | 104 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 53.572 | -7.1 | 110 | 0.00 |

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Data File : VU043669.D
Acq On : 12 May 2021 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 12 16:44:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Tue May 11 09:51:45 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 | 56.833 | -13.7 | 108 | 0.00 |

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