Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
Data File : VD070117.D
Acq On : 18 Aug 2021 10:05
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**LabSampleId :** VSTDCCC050

Quant Time: Aug 19 07:26:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
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 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 44.060 | 11.9 | 80 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 45.588 | 8.8 | 81 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 40.828 | 18.3# | 80 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.870 | 2.3 | 87 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 42.939 | 14.1 | 82 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 43.659 | 12.7 | 84 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.713 | 6.6 | 82 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 44.536 | 10.9 | 85 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.559 | 4.9 | 79 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 233.963 | 6.4 | 90 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 44.792 | 10.4# | 82 | 0.00 |
| 13 | T | Acrolein | 250.000 | 238.676 | 4.5 | 85 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.785 | 10.4 | 78 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 246.578 | 1.4 | 86 | 0.00 |
| 16 | T | Acetone | 250.000 | 276.326 | -10.5 | 99 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.819 | 12.4 | 81 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 47.037 | 5.9 | 83 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 48.613 | 2.8 | 82 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 49.538 | 0.9 | 89 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 46.558 | 6.9 | 83 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.482 | 1.0 | 82 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 258.574 | -3.4 | 83 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.014 | 8.0 | 84 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 262.155 | -4.9 | 89 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.723 | 6.6 | 84 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.549 | 4.9 | 84 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.541 | 0.9 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 257.877 | -3.2 | 87 | 0.00 |
| 30 | C | Chloroform | 50.000 | 46.465 | 7.1# | 84 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 44.553 | 10.9 | 82 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.280 | 7.4 | 84 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.090 | 3.8 | 87 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.788 | 0.4 | 86 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.766 | 2.5 | 84 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.021 | -4.0 | 84 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.282 | 1.4 | 85 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.503 | 1.0 | 83 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.332 | 3.3 | 83 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.384 | -0.8 | 88 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.660 | 0.7 | 86 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.236 | -0.5 | 85 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.751 | 2.5 | 86 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.588 | 0.8# | 85 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.342 | -2.7 | 89 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.623 | -1.2 | 87 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 53.040 | -6.1 | 85 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**LabSampleId :** VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
Quant Title : SW846 8260
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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 | 1104.808 | -10.5 | 90 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.306 | -0.6 | 85 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 268.297 | -7.3 | 86 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.369 | -0.7# | 84 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.679 | 0.6 | 84 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.114 | 3.8 | 83 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 49.995 | 0.0 | 86 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.902 | -5.8 | 84 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.861 | -1.7 | 86 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 278.108 | -11.2 | 85 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 283.598 | -13.4 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.585 | -1.2 | 88 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.886 | -3.8 | 87 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.367 | -2.7 | 87 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 89 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.013 | 6.0 | 85 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.328 | 3.3 | 86 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.196 | 3.6 | 86 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.784 | 0.4# | 84 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 100.420 | -0.4 | 86 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.268 | -0.5 | 85 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.568 | -3.1 | 85 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.785 | -3.6 | 90 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.090 | 1.8 | 85 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.086 | -0.2 | 85 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.876 | 2.2 | 90 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.594 | 6.8 | 89 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.958 | 2.1 | 87 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.218 | 1.6 | 84 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.009 | 4.0 | 85 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.966 | 0.1 | 86 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.257 | 1.5 | 82 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.292 | 3.4 | 85 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.202 | 1.6 | 85 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.829 | -1.7 | 86 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.481 | 1.0 | 86 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.849 | 0.3 | 84 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 47.579 | 4.8 | 86 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.128 | 5.7 | 86 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.021 | -0.0 | 85 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 46.701 | 6.6 | 86 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.197 | 1.6 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.181 | 3.6 | 90 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 48.734 | 2.5 | 86 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.985 | 4.0 | 86 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.334 | -0.7 | 86 | 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 | 49.079 | 1.8 | 85 | 0.00 |

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