Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030221\
Data File : VD068485.D
Acq On : 02 Mar 2021 09:41
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: Mar 02 23:54:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 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 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 47.940 | 4.1 | 102 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.830 | 12.3 | 96 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.396 | 7.2# | 99 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 45.187 | 9.6 | 102 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 44.561 | 10.9 | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.587 | 4.8 | 102 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 42.952 | 14.1 | 92 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.939 | 4.1 | 103 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 43.349 | 13.3 | 93 | -0.01 |
| 11 | T | Tert butyl alcohol | 250.000 | 199.315 | 20.3 | 94 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.432 | 7.1# | 99 | 0.00 |
| 13 | T | Acrolein | 250.000 | 207.027 | 17.2 | 87 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 43.928 | 12.1 | 93 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 218.936 | 12.4 | 94 | 0.00 |
| 16 | T | Acetone | 250.000 | 294.184 | -17.7 | 122 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.232 | 7.5 | 98 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 42.298 | 15.4 | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 45.016 | 10.0 | 98 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 44.176 | 11.6 | 94 | -0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 45.526 | 8.9 | 98 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 42.896 | 14.2 | 91 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 219.995 | 12.0 | 93 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 44.508 | 11.0 | 96 | -0.01 |
| 25 | T | 2-Butanone | 250.000 | 222.943 | 10.8 | 96 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.487 | 3.0 | 104 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 45.882 | 8.2 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 44.013 | 12.0 | 93 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 214.106 | 14.4 | 92 | 0.00 |
| 30 | C | Chloroform | 50.000 | 44.920 | 10.2# | 97 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 44.841 | 10.3 | 100 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.967 | 6.1 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 43.702 | 12.6 | 94 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.751 | 0.5 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.082 | 1.8 | 98 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 45.108 | 9.8 | 94 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.062 | -2.1 | 103 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 51.337 | -2.7 | 101 | 0.00 |
| 40 | TM | Benzene | 50.000 | 47.777 | 4.4 | 96 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.948 | -1.9 | 110 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.280 | 5.4 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 46.175 | 7.7 | 92 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.931 | 2.1 | 99 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 47.490 | 5.0# | 94 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 48.069 | 3.9 | 100 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.152 | 3.7 | 96 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 44.516 | 11.0 | 90 | 0.00 |

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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: Mar 02 23:54:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 983.924 | 1.6 | 101 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.529 | 2.9 | 98 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 232.658 | 6.9 | 92 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.625 | 0.8# | 99 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.529 | 2.9 | 99 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 47.449 | 5.1 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.421 | 3.2 | 97 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 47.447 | 5.1 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 46.604 | 6.8 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 234.189 | 6.3 | 94 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 255.862 | -2.3 | 100 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.809 | 0.4 | 99 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 47.686 | 4.6 | 96 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.030 | 1.9 | 98 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.285 | -2.6 | 104 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.578 | 2.8 | 97 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.528 | 2.9 | 97 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.723 | 0.6# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 100.171 | -0.2 | 98 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.171 | -0.3 | 97 | 0.00 |
| 70 | T | Styrene | 50.000 | 49.879 | 0.2 | 96 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.595 | 0.8 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.706 | 0.6 | 100 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 46.058 | 7.9 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.709 | 6.6 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.210 | 7.6 | 110 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.433 | 3.1 | 100 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.613 | 0.8 | 99 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.300 | 3.4 | 98 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.514 | 1.0 | 99 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.965 | 4.1 | 95 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 47.809 | 4.4 | 96 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.500 | -1.0 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.526 | 0.9 | 98 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.411 | -0.8 | 101 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.919 | -1.8 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.165 | 1.7 | 98 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.414 | 3.2 | 99 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.668 | -1.3 | 99 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.335 | 1.3 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.615 | 0.8 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 42.115 | 15.8 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 50.541 | -1.1 | 100 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 53.628 | -7.3 | 106 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 46.623 | 6.8 | 93 | 0.00 |

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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: Mar 02 23:54:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 49.209 | 1.6 | 100 | 0.00 |

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