Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
Data File : VD070232.D
Acq On : 23 Aug 2021 20:38
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Aug 24 01:33:04 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 | 71 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 42.513 | 15.0 | 62 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 45.591 | 8.8 | 64 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 40.681 | 18.6# | 63 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 56.803 | -13.6 | 79 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.765 | 2.5 | 74 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 43.524 | 13.0 | 66 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.419 | -0.8 | 71 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 44.990 | 10.0 | 69 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.194 | 3.6 | 63 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 226.291 | 9.5 | 69 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 45.329 | 9.3# | 66 | 0.00 |
| 13 | T | Acrolein | 250.000 | 187.519 | 25.0 | 53 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.797 | 4.4 | 66 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 262.577 | -5.0 | 73 | 0.00 |
| 16 | T | Acetone | 250.000 | 232.254 | 7.1 | 66 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 42.661 | 14.7 | 63 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 54.823 | -9.6 | 77 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.251 | -4.5 | 70 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 62.498 | -25.0 | 87 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.173 | 1.7 | 70 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 53.344 | -6.7 | 71 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 270.075 | -8.0 | 69 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.384 | -0.8 | 73 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 263.464 | -5.4 | 71 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.978 | 6.0 | 67 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.679 | -3.4 | 72 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 54.284 | -8.6 | 83 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 273.541 | -9.4 | 73 | 0.00 |
| 30 | C | Chloroform | 50.000 | 51.461 | -2.9# | 74 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 43.083 | 13.8 | 63 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.743 | 2.5 | 70 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.225 | -8.5 | 78 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 71 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 55.275 | -10.5 | 79 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.077 | 3.8 | 69 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.292 | -6.6 | 71 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.052 | 1.9 | 70 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 45.012 | 10.0 | 62 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.635 | 0.7 | 71 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 58.657 | -17.3 | 85 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.987 | -4.0 | 74 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 52.620 | -5.2 | 74 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.471 | 3.1 | 70 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.156 | -2.3# | 73 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.429 | -6.9 | 76 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.774 | -5.5 | 75 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.342 | -0.7 | 67 | 0.00 |

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Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Aug 24 01:33:04 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1100.495 | -10.0 | 74 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 53.860 | -7.7 | 75 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 281.352 | -12.5 | 75 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.311 | -2.6# | 71 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.795 | -5.6 | 74 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.199 | -2.4 | 73 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.148 | -8.3 | 77 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.460 | -8.9 | 72 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.502 | -5.0 | 73 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 296.258 | -18.5 | 75 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 277.976 | -11.2 | 73 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.344 | -4.7 | 75 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.927 | -5.9 | 74 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 53.488 | -7.0 | 75 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 75 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.355 | 7.3 | 70 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.242 | 3.5 | 72 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.382 | -0.8 | 75 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.540 | 0.9# | 70 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.638 | 0.4 | 71 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.308 | -0.6 | 71 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.352 | -4.7 | 72 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.667 | -3.3 | 75 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 77 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 47.799 | 4.4 | 70 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.179 | 1.6 | 71 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.413 | -0.8 | 78 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.320 | 1.4 | 79 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.744 | 2.5 | 73 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 48.473 | 3.1 | 70 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.836 | 4.3 | 71 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.842 | 2.3 | 71 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.855 | 0.3 | 70 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.521 | 3.0 | 72 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.031 | 3.9 | 70 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.439 | 1.1 | 71 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 47.637 | 4.7 | 70 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 47.522 | 5.0 | 68 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 47.673 | 4.7 | 73 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 46.806 | 6.4 | 72 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 47.188 | 5.6 | 68 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.014 | 6.0 | 73 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.042 | 1.9 | 75 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.742 | 2.5 | 77 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 46.965 | 6.1 | 70 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 45.142 | 9.7 | 69 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 49.718 | 0.6 | 71 | 0.00 |

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Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Aug 24 01:33:04 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 48.096 | 3.8 | 71 | 0.00 |

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