Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
Data File : VD070790.D
Acq On : 21 Oct 2021 09:53
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: Oct 22 06:10:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 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 | 94 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 47.945 | 4.1 | 91 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 45.946 | 8.1 | 90 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.207 | 7.6# | 88 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 44.208 | 11.6 | 90 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 46.707 | 6.6 | 89 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.220 | 1.6 | 95 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 45.636 | 8.7 | 85 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.014 | 2.0 | 96 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.690 | 8.6 | 85 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 206.216 | 17.5 | 83 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.665 | 4.7# | 92 | 0.00 |
| 13 | T | Acrolein | 250.000 | 300.551 | -20.2 | 126 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.486 | 5.0 | 87 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 237.684 | 4.9 | 87 | 0.00 |
| 16 | T | Acetone | 250.000 | 276.814 | -10.7 | 96 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.406 | 1.2 | 91 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 47.048 | 5.9 | 89 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.705 | 0.6 | 88 | -0.01 |
| 20 | T | Methylene Chloride | 50.000 | 47.708 | 4.6 | 90 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.558 | -1.1 | 93 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.228 | -4.5 | 91 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 233.765 | 6.5 | 89 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.279 | 3.4 | 91 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 249.645 | 0.1 | 90 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.613 | -1.2 | 97 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.578 | 2.8 | 90 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 46.344 | 7.3 | 91 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 253.039 | -1.2 | 90 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.253 | 3.5# | 93 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.380 | 3.2 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.351 | 1.3 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.552 | 4.9 | 94 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.063 | -0.1 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 53.529 | -7.1 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.936 | -3.9 | 88 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 52.960 | -5.9 | 95 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.144 | -6.3 | 89 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.067 | -4.1 | 93 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.513 | 5.0 | 80 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.655 | -3.3 | 93 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.395 | 1.2 | 86 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.168 | -0.3 | 92 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.675 | -5.3# | 94 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.755 | -3.5 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.810 | -3.6 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.638 | -5.3 | 90 | 0.00 |

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

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

Quant Time: Oct 22 06:10:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 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 | 1073.481 | -7.3 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.930 | -1.9 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 267.796 | -7.1 | 91 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.679 | -7.4# | 93 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.907 | -5.8 | 93 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.750 | -5.5 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.067 | -4.1 | 94 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 46.555 | 6.9 | 89 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.508 | -3.0 | 92 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 292.044 | -16.8 | 103 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 281.461 | -12.6 | 93 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.432 | -4.9 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.652 | 0.7 | 89 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.114 | -2.2 | 94 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.278 | -2.6 | 95 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.907 | -1.8 | 93 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.559 | -3.1 | 96 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.757 | -7.5# | 93 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 108.739 | -8.7 | 93 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.464 | -6.9 | 93 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.155 | -10.3 | 93 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.664 | 0.7 | 91 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.761 | -3.5 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.398 | 1.2 | 90 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.751 | 2.5 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 52.910 | -5.8 | 121 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.412 | -0.8 | 92 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 52.760 | -5.5 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.272 | -2.5 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.969 | -7.9 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 52.224 | -4.4 | 93 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.884 | -3.8 | 95 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.783 | -3.6 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.595 | -7.2 | 94 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.256 | -4.5 | 93 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.547 | -5.1 | 92 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.347 | 1.3 | 93 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.943 | 2.1 | 94 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.132 | -4.3 | 92 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.334 | 3.3 | 93 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.607 | 0.8 | 92 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.596 | 8.8 | 92 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.493 | 1.0 | 90 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.696 | 4.6 | 89 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 43.951 | 12.1 | 89 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 22 06:10:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 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 | 47.929 | 4.1 | 86 | 0.00 |

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