Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
Data File : VY013281.D
Acq On : 12 Apr 2023 20:52
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Apr 13 06:21:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
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 | 85 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 50.077 | -0.2 | 88 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 49.712 | 0.6 | 89 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 50.147 | -0.3# | 89 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 51.084 | -2.2 | 93 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.927 | 0.1 | 91 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.612 | 4.8 | 86 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.102 | -4.2 | 93 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.802 | 2.4 | 86 | -0.01 |
| 10 | T | Methyl Iodide | 50.000 | 51.037 | -2.1 | 84 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 178.908 | 28.4# | 64 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.784 | 0.4# | 87 | 0.00 |
| 13 | T | Acrolein | 250.000 | 237.400 | 5.0 | 82 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.545 | -5.1 | 92 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 273.033 | -9.2 | 91 | 0.00 |
| 16 | T | Acetone | 250.000 | 193.056 | 22.8 | 64 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.341 | -0.7 | 89 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 56.024 | -12.0 | 94 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 55.264 | -10.5 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 56.544 | -13.1 | 98 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.584 | -3.2 | 90 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 55.649 | -11.3 | 94 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 280.850 | -12.3 | 92 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.360 | -4.7 | 93 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 249.895 | 0.0 | 82 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 47.176 | 5.6 | 85 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 53.103 | -6.2 | 91 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 57.112 | -14.2 | 98 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 287.090 | -14.8 | 91 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.725 | -5.5# | 94 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.036 | 1.9 | 89 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.549 | -1.1 | 91 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.508 | -9.0 | 94 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 54.901 | -9.8 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.350 | 1.3 | 89 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.433 | -6.9 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.643 | 2.7 | 89 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.163 | -0.3 | 87 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.080 | -2.2 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.793 | 4.4 | 83 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.588 | -3.2 | 93 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 54.392 | -8.8 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.126 | -0.3 | 92 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.563 | -3.1# | 93 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.747 | -3.5 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.140 | -4.3 | 96 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.554 | -9.1 | 91 | 0.00 |

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ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Apr 13 06:21:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
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 | 1103.390 | -10.3 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 54.208 | -8.4 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 277.810 | -11.1 | 93 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.237 | -2.5# | 92 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.393 | -4.8 | 92 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.660 | -3.3 | 92 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.834 | -5.7 | 96 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.963 | -13.9 | 94 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.063 | -6.1 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 273.424 | -9.4 | 97 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 273.709 | -9.5 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 51.582 | -3.2 | 92 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.286 | -6.6 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 56.287 | -12.6 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 52.603 | -5.2 | 98 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.568 | 0.9 | 93 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.141 | -2.3 | 94 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.453 | -0.9# | 91 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 101.821 | -1.8 | 93 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.634 | -5.3 | 95 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.838 | -5.7 | 94 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.330 | -6.7 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.592 | -1.2 | 92 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.704 | -9.4 | 97 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.072 | -2.1 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.922 | 2.2 | 91 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.703 | -1.4 | 93 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.718 | -1.4 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.231 | -2.5 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.148 | -2.3 | 93 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 51.497 | -3.0 | 92 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.938 | 0.1 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.074 | -4.1 | 94 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.081 | -4.2 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.128 | -0.3 | 91 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.019 | -2.0 | 92 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.895 | 0.2 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.249 | 1.5 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.587 | 0.8 | 90 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.143 | 1.7 | 94 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.459 | -0.9 | 95 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.891 | -7.8 | 96 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.895 | -3.8 | 94 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.878 | 2.2 | 92 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.630 | -1.3 | 98 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.570 | -5.1 | 97 | 0.00 |

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