Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
Data File : VY014046.D
Acq On : 06 Jun 2023 21:16
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: Jun 07 01:44:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 02 07:00:14 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 | 84 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.731 | 2.5 | 78 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 44.469 | 11.1 | 74 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.996 | 4.0# | 78 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 42.667 | 14.7 | 80 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 45.977 | 8.0 | 80 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.855 | -7.7 | 88 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.575 | 6.8 | 78 | 0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 53.740 | -7.5 | 86 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 43.086 | 13.8 | 66 | 0.01 |
| 11 | T | Tert butyl alcohol | 250.000 | 124.902 | 50.0# | 70 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.058 | 3.9# | 78 | 0.01 |
| 13 | T | Acrolein | 250.000 | 162.353 | 35.1# | 64 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 45.790 | 8.4 | 74 | 0.01 |
| 15 | T | Acrylonitrile | 250.000 | 236.405 | 5.4 | 81 | 0.00 |
| 16 | T | Acetone | 250.000 | 163.225 | 34.7# | 50 | 0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 39.248 | 21.5 | 64 | 0.01 |
| 18 | T | Methyl Acetate | 50.000 | 43.408 | 13.2 | 74 | 0.01 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.667 | 0.7 | 81 | 0.01 |
| 20 | T | Methylene Chloride | 50.000 | 50.137 | -0.3 | 81 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.028 | -0.1 | 82 | 0.01 |
| 22 | T | Diisopropyl ether | 50.000 | 54.014 | -8.0 | 87 | 0.01 |
| 23 | T | Vinyl Acetate | 250.000 | 249.906 | 0.0 | 80 | 0.01 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.152 | -4.3 | 87 | 0.01 |
| 25 | T | 2-Butanone | 250.000 | 207.598 | 17.0 | 69 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.388 | 1.2 | 82 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.580 | -5.2 | 86 | 0.01 |
| 28 | T | Bromochloromethane | 50.000 | 50.395 | -0.8 | 84 | 0.01 |
| 29 | T | Tetrahydrofuran | 250.000 | 228.751 | 8.5 | 77 | 0.01 |
| 30 | C | Chloroform | 50.000 | 54.896 | -9.8# | 91 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.511 | 3.0 | 81 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 55.541 | -11.1 | 89 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.571 | -1.1 | 84 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 79 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 57.888 | -15.8 | 89 | 0.01 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 56.139 | -12.3 | 87 | 0.01 |
| 37 | T | Ethyl Acetate | 50.000 | 46.428 | 7.1 | 77 | 0.01 |
| 38 | T | Carbon Tetrachloride | 50.000 | 58.911 | -17.8 | 91 | 0.01 |
| 39 | T | Methylcyclohexane | 50.000 | 56.455 | -12.9 | 83 | 0.00 |
| 40 | TM | Benzene | 50.000 | 54.964 | -9.9 | 86 | 0.01 |
| 41 | T | Methacrylonitrile | 50.000 | 50.286 | -0.6 | 87 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.937 | -7.9 | 86 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.746 | 0.5 | 80 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 54.244 | -8.5 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 56.015 | -12.0# | 88 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.957 | -5.9 | 84 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 57.158 | -14.3 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.618 | -1.2 | 79 | 0.00 |

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ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Jun 07 01:44:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 02 07:00:14 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 | 985.781 | 1.4 | 78 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 55.815 | -11.6 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 252.926 | -1.2 | 81 | 0.00 |
| 52 | CM | Toluene | 50.000 | 56.732 | -13.5# | 89 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.898 | -7.8 | 83 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.779 | -9.6 | 85 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.726 | -11.5 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.265 | -6.5 | 81 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.685 | -9.4 | 86 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 254.511 | -1.8 | 83 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 243.136 | 2.7 | 74 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 56.622 | -13.2 | 89 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.237 | -6.5 | 85 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 58.266 | -16.5 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 85 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 54.948 | -9.9 | 92 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.671 | -5.3 | 88 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.054 | -10.1 | 91 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.775 | -9.5# | 89 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 109.455 | -9.5 | 89 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.687 | -9.4 | 88 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.518 | -11.0 | 88 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.597 | -5.2 | 87 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.895 | -9.8 | 92 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.268 | 3.5 | 82 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.296 | 1.4 | 87 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.257 | 1.5 | 93 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.289 | -4.6 | 90 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 55.324 | -10.6 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 53.212 | -6.4 | 91 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 54.807 | -9.6 | 91 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 45.903 | 8.2 | 80 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 53.416 | -6.8 | 90 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 55.269 | -10.5 | 91 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 54.742 | -9.5 | 91 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 56.634 | -13.3 | 94 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.943 | -11.9 | 93 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.910 | -5.8 | 91 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.711 | -3.4 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 56.216 | -12.4 | 92 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.924 | -9.8 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.281 | -4.6 | 90 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.798 | 10.4 | 78 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.312 | -4.6 | 87 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 57.827 | -15.7 | 98 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 46.161 | 7.7 | 83 | 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 | 52.967 | -5.9 | 88 | 0.00 |

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