Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
Data File : VY013435.D
Acq On : 25 Apr 2023 07:44
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 55 Sample Multiplier: 1

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

Quant Time: Apr 25 08:08:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 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 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 51.668 | -3.3 | 90 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.949 | 12.1 | 80 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 43.321 | 13.4# | 79 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 44.614 | 10.8 | 85 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 40.513 | 19.0 | 77 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.377 | 1.2 | 89 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 53.575 | -7.2 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.583 | 0.8 | 91 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 50.403 | -0.8 | 83 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 254.066 | -1.6 | 98 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.942 | 0.1# | 88 | 0.00 |
| 13 | T | Acrolein | 250.000 | 224.989 | 10.0 | 86 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.401 | 1.2 | 87 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 273.017 | -9.2 | 94 | 0.00 |
| 16 | T | Acetone | 250.000 | 200.959 | 19.6 | 65 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.987 | -2.0 | 89 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 54.137 | -8.3 | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.582 | -7.2 | 92 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 54.260 | -8.5 | 97 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.117 | -4.2 | 91 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.253 | -4.5 | 92 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 255.755 | -2.3 | 87 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.070 | -2.1 | 91 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 246.512 | 1.4 | 84 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 44.992 | 10.0 | 80 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 53.679 | -7.4 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.636 | -1.3 | 92 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 274.977 | -10.0 | 94 | 0.00 |
| 30 | C | Chloroform | 50.000 | 53.490 | -7.0# | 96 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 45.182 | 9.6 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.462 | -2.9 | 91 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 53.944 | -7.9 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.968 | -3.9 | 102 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.958 | 2.1 | 91 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.374 | 1.3 | 87 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.619 | -1.2 | 92 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.895 | 4.2 | 87 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.305 | -2.6 | 94 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 45.156 | 9.7 | 81 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 52.219 | -4.4 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.669 | -3.3 | 92 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.373 | -2.7 | 94 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.910 | -1.8# | 93 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.302 | -6.6 | 97 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.086 | -6.2 | 97 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.630 | -5.3 | 91 | 0.00 |

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ALS Vial : 55 Sample Multiplier: 1

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

Quant Time: Apr 25 08:08:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 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 | 1056.052 | -5.6 | 93 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.430 | -0.9 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 270.282 | -8.1 | 95 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.205 | -4.4# | 94 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 51.396 | -2.8 | 92 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.613 | -1.2 | 92 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.944 | -7.9 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.003 | -12.0 | 96 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.419 | -6.8 | 97 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 252.550 | -1.0 | 99 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 264.112 | -5.6 | 90 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.538 | -9.1 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.831 | -7.7 | 96 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.211 | -4.4 | 103 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.819 | -3.6 | 98 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.241 | -2.5 | 97 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.852 | -1.7 | 97 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.191 | -2.4# | 95 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.523 | -2.5 | 95 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.793 | -3.6 | 95 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.647 | -5.3 | 97 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.627 | -5.3 | 98 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.927 | 0.1 | 94 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.638 | -3.3 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.935 | -3.9 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 52.515 | -5.0 | 97 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.415 | -4.8 | 99 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.147 | 1.7 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.460 | -0.9 | 95 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.857 | -1.7 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 46.954 | 6.1 | 85 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.573 | 0.9 | 94 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.290 | -2.6 | 96 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.428 | -2.9 | 95 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.822 | 0.4 | 94 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.687 | 0.6 | 93 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.768 | 0.5 | 95 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.077 | 1.8 | 95 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.282 | 3.4 | 91 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.292 | 1.4 | 96 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.889 | -3.8 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 52.076 | -4.2 | 100 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 50.628 | -1.3 | 97 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.730 | 0.5 | 98 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 57.366 | -14.7 | 105 | 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 | 53.023 | -6.0 | 100 | 0.00 |

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