Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
Data File : VY021046.D
Acq On : 04 Feb 2025 09:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
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 | 83 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 52.714 | -5.4 | 88 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 50.330 | -0.7 | 88 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 50.061 | -0.1# | 87 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 49.347 | 1.3 | 87 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.935 | 0.1 | 86 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.372 | -0.7 | 86 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.084 | -2.2 | 89 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.550 | -3.1 | 88 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 52.519 | -5.0 | 84 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 252.187 | -0.9 | 91 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.266 | -2.5# | 87 | 0.00 |
| 13 | T | Acrolein | 250.000 | 242.367 | 3.1 | 82 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.165 | -6.3 | 89 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 270.313 | -8.1 | 89 | 0.00 |
| 16 | T | Acetone | 250.000 | 267.440 | -7.0 | 92 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 52.559 | -5.1 | 89 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 55.562 | -11.1 | 90 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.689 | -5.4 | 87 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.630 | -3.3 | 88 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.369 | -4.7 | 88 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.300 | -8.6 | 90 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 273.844 | -9.5 | 89 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.245 | -4.5 | 89 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 272.159 | -8.9 | 88 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.967 | -3.9 | 89 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.870 | -5.7 | 89 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.992 | -6.0 | 82 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 277.873 | -11.1 | 90 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.406 | -4.8# | 89 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 50.543 | -1.1 | 89 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.284 | -4.6 | 89 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 52.095 | -4.2 | 88 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 82 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.452 | -6.9 | 89 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 53.591 | -7.2 | 90 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 56.091 | -12.2 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 53.307 | -6.6 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.677 | -7.4 | 87 | 0.00 |
| 40 | TM | Benzene | 50.000 | 53.888 | -7.8 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 45.147 | 9.7 | 80 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.521 | -7.0 | 89 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.633 | -11.3 | 89 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.820 | -5.6 | 89 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.991 | -8.0# | 89 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.884 | -7.8 | 89 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.810 | -5.6 | 88 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 56.838 | -13.7 | 91 | 0.00 |

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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 05 00:42:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
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 | 1150.358 | -15.0 | 91 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 54.470 | -8.9 | 90 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 285.788 | -14.3 | 90 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.566 | -9.1# | 89 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 55.115 | -10.2 | 89 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.522 | -9.0 | 89 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.417 | -6.8 | 88 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.536 | -13.1 | 87 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 55.271 | -10.5 | 90 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 230.818 | 7.7 | 73 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 293.528 | -17.4 | 90 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.995 | -8.0 | 89 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.075 | -8.2 | 87 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 55.893 | -11.8 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 83 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 52.134 | -4.3 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.034 | -4.1 | 89 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.124 | -4.2 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.795 | -7.6# | 90 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 107.665 | -7.7 | 89 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.388 | -8.8 | 91 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.088 | -10.2 | 90 | 0.00 |
| 71 | P | Bromoform | 50.000 | 54.488 | -9.0 | 92 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 85 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.892 | -3.8 | 90 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.756 | -9.5 | 89 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.140 | -4.3 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.213 | -2.4 | 85 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.330 | -2.7 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 52.792 | -5.6 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.924 | -3.8 | 91 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.986 | -6.0 | 91 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.860 | -1.7 | 86 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.316 | -4.6 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.997 | -6.0 | 90 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.490 | -7.0 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.886 | -5.8 | 92 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.511 | -7.0 | 91 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.317 | -4.6 | 92 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 52.145 | -4.3 | 91 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.781 | -9.6 | 92 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 52.092 | -4.2 | 91 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.907 | -3.8 | 91 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.897 | -3.8 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 55.414 | -10.8 | 90 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 53.663 | -7.3 | 91 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 56.026 | -12.1 | 86 | 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 | 55.491 | -11.0 | 90 | 0.00 |

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