# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101722\
Data File : VY010981.D
Acq On : 17 Oct 2022 19:37
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Oct 18 01:47:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 01:42:42 2022
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 | 97 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.116 | 9.8 | 91 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.812 | 6.4 | 96 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.199 | 5.6# | 94 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 44.485 | 11.0 | 95 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 47.401 | 5.2 | 95 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.331 | 5.3 | 95 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 47.464 | 5.1 | 93 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.578 | 4.8 | 94 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 50.229 | -0.5 | 94 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 224.199 | 10.3 | 92 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.069 | 5.9# | 93 | 0.00 |
| 13 | T | Acrolein | 250.000 | 221.498 | 11.4 | 86 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.783 | 4.4 | 93 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 236.491 | 5.4 | 92 | 0.00 |
| 16 | T | Acetone | 250.000 | 197.139 | 21.1 | 78 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 45.094 | 9.8 | 92 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 45.856 | 8.3 | 92 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 48.254 | 3.5 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.041 | 3.9 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.894 | 4.2 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.064 | -0.1 | 95 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 256.026 | -2.4 | 94 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.580 | 2.8 | 95 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 217.244 | 13.1 | 86 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 45.956 | 8.1 | 91 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.947 | 2.1 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.955 | -5.9 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 236.290 | 5.5 | 91 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.871 | 2.3# | 94 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 45.177 | 9.6 | 93 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.307 | 3.4 | 94 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.429 | 5.1 | 95 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.773 | 2.5 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.801 | 4.4 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.819 | 4.4 | 92 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.640 | 4.7 | 93 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.302 | 5.4 | 93 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.092 | 3.8 | 94 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.735 | -1.5 | 109 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.171 | 3.7 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 48.490 | 3.0 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 47.435 | 5.1 | 94 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.776 | 2.4# | 94 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 48.920 | 2.2 | 95 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 49.363 | 1.3 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.914 | 2.2 | 92 | 0.00 |

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MSVOA_Y
**LabSampleId :**
VSTDCCC050

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 935.705 | 6.4 | 90 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.020 | 4.0 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 240.262 | 3.9 | 92 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.635 | 2.7# | 94 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.496 | 3.0 | 93 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.753 | 2.5 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.983 | 2.0 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.673 | 0.7 | 92 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.249 | 3.5 | 93 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 248.897 | 0.4 | 92 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 238.432 | 4.6 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.512 | 3.0 | 93 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 47.770 | 4.5 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.067 | 5.9 | 93 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.635 | 4.7 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.952 | 4.1 | 93 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.350 | 3.3 | 94 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.076 | 1.8# | 94 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 97.598 | 2.4 | 94 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.218 | 1.6 | 93 | 0.00 |
| 70 | T | Styrene | 50.000 | 49.680 | 0.6 | 93 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.195 | 3.6 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.860 | 2.3 | 93 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.577 | 2.8 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.867 | 6.3 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.290 | 7.4 | 91 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.346 | 3.3 | 94 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 48.986 | 2.0 | 93 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.225 | 3.5 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.727 | 2.5 | 93 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.532 | 4.9 | 90 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.105 | 3.8 | 93 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.510 | 1.0 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.128 | 1.7 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.911 | 2.2 | 92 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.988 | 2.0 | 92 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 47.499 | 5.0 | 93 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.336 | 5.3 | 92 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.835 | 2.3 | 91 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.714 | 4.6 | 92 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 47.789 | 4.4 | 93 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.601 | 10.8 | 89 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.934 | 4.1 | 91 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.736 | 4.5 | 93 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 49.061 | 1.9 | 91 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 47.510 | 5.0 | 90 | 0.00 |

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