# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053024\
Data File : VY018404.D
Acq On : 30 May 2024 10:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: May 31 00:57:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
Quant Title : SW846 8260
QLast Update : Thu May 23 01:40:36 2024
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 | 74 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 44.242 | 11.5 | 65 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.162 | 3.7 | 71 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 52.654 | -5.3# | 73 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.673 | 2.7 | 74 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 53.750 | -7.5 | 77 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.824 | 0.4 | 72 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.886 | 0.2 | 71 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.486 | 3.0 | 70 | 0.01 |
| 10 | T | Methyl Iodide | 50.000 | 52.185 | -4.4 | 70 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 224.003 | 10.4 | 60 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.423 | -0.8# | 71 | 0.00 |
| 13 | T | Acrolein | 250.000 | 247.728 | 0.9 | 70 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.064 | -6.1 | 74 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 255.323 | -2.1 | 70 | 0.00 |
| 16 | T | Acetone | 250.000 | 281.762 | -12.7 | 78 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 52.194 | -4.4 | 67 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 49.044 | 1.9 | 70 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 50.453 | -0.9 | 70 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 53.099 | -6.2 | 74 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.290 | -4.6 | 72 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 56.539 | -13.1 | 77 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 275.515 | -10.2 | 73 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 54.473 | -8.9 | 74 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 265.796 | -6.3 | 73 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 52.334 | -4.7 | 73 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.934 | -3.9 | 71 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 68.371 | -36.7# | 96 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 258.631 | -3.5 | 70 | 0.00 |
| 30 | C | Chloroform | 50.000 | 53.899 | -7.8# | 75 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 55.529 | -11.1 | 71 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.327 | -4.7 | 73 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.157 | -8.3 | 84 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 76 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.069 | -0.1 | 82 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.504 | 1.0 | 72 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.040 | 3.9 | 67 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.294 | 5.4 | 71 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.660 | 4.7 | 69 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.741 | -3.5 | 74 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 45.274 | 9.5 | 58 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.684 | -1.4 | 75 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.431 | 1.1 | 71 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 47.263 | 5.5 | 71 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.440 | -4.9# | 74 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 49.489 | 1.0 | 73 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.290 | -2.6 | 76 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.846 | 2.3 | 72 | 0.00 |

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

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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 | 932.420 | 6.8 | 67 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.232 | -2.5 | 85 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 247.616 | 1.0 | 73 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.788 | -3.6# | 78 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.116 | -4.2 | 78 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.097 | -4.2 | 74 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.622 | -1.2 | 76 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 51.647 | -3.3 | 77 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.140 | -4.3 | 76 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 249.475 | 0.2 | 68 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 257.349 | -2.9 | 78 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.281 | 1.4 | 72 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.374 | -2.7 | 78 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.481 | -3.0 | 88 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 78 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 45.301 | 9.4 | 72 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.208 | 3.6 | 76 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.196 | 1.6 | 74 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.479 | -1.0# | 80 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.493 | 0.5 | 77 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.944 | 0.1 | 77 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.492 | -1.0 | 77 | 0.00 |
| 71 | P | Bromoform | 50.000 | 47.225 | 5.5 | 72 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 80 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.815 | 2.4 | 78 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 46.296 | 7.4 | 75 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 47.798 | 4.4 | 79 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.361 | 3.3 | 82 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 47.349 | 5.3 | 74 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 47.939 | 4.1 | 78 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.179 | 3.6 | 80 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.438 | 3.1 | 78 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 46.666 | 6.7 | 79 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 47.086 | 5.8 | 78 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.080 | 3.8 | 78 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 47.824 | 4.4 | 78 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 47.260 | 5.5 | 78 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 47.882 | 4.2 | 78 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.341 | 1.3 | 79 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.640 | 4.7 | 78 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 47.095 | 5.8 | 78 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.063 | 3.9 | 78 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 48.446 | 3.1 | 77 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 42.257 | 15.5 | 70 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 46.107 | 7.8 | 78 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 44.772 | 10.5 | 73 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 44.756 | 10.5 | 73 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 43.457 | 13.1 | 76 | 0.00 |

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