# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040924\
Data File : VY017883.D
Acq On : 09 Apr 2024 10:07
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: Apr 10 04:21:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 05:58:13 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 | 67 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 53.138 | -6.3 | 87 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 57.252 | -14.5 | 86 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 68.071 | -36.1# | 103 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 69.367 | -38.7# | 111 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 74.219 | -48.4# | 112 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 54.326 | -8.7 | 85 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.361 | 1.3 | 75 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.913 | 0.2 | 77 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 54.094 | -8.2 | 75 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 242.433 | 3.0 | 69 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.422 | -0.8# | 76 | 0.00 |
| 13 | T | Acrolein | 250.000 | 173.166 | 30.7# | 51 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 46.374 | 7.3 | 69 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 233.968 | 6.4 | 69 | 0.00 |
| 16 | T | Acetone | 250.000 | 269.370 | -7.7 | 78 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.023 | 8.0 | 65 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 45.510 | 9.0 | 69 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.654 | -7.3 | 80 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.234 | 7.5 | 68 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.912 | -3.8 | 77 | -0.01 |
| 22 | T | Diisopropyl ether | 50.000 | 49.262 | 1.5 | 73 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 250.024 | -0.0 | 74 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.750 | -1.5 | 77 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 248.792 | 0.5 | 74 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 54.044 | -8.1 | 85 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.876 | -5.8 | 79 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.158 | 1.7 | 63 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 232.146 | 7.1 | 69 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.914 | -5.8# | 81 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 45.703 | 8.6 | 71 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.093 | -8.2 | 83 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.376 | -2.8 | 75 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 66 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.862 | -7.7 | 76 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 52.051 | -4.1 | 76 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 46.723 | 6.6 | 71 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 54.187 | -8.4 | 82 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 51.090 | -2.2 | 74 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.074 | -4.1 | 78 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.135 | -10.3 | 76 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 52.121 | -4.2 | 78 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.392 | -0.8 | 76 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.477 | -5.0 | 79 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.072 | -0.1# | 75 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.069 | -4.1 | 78 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.373 | -6.7 | 80 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.786 | 0.4 | 69 | 0.00 |

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ALS Vial : 3 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 05:58:13 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1087.099 | -8.7 | 79 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 53.862 | -7.7 | 75 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 266.679 | -6.7 | 74 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.410 | -6.8# | 80 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.358 | -6.7 | 79 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.265 | -4.5 | 78 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.431 | -4.9 | 80 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.790 | -7.6 | 74 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.785 | -3.6 | 78 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 259.527 | -3.8 | 62 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 273.246 | -9.3 | 75 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.231 | -6.5 | 81 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.709 | -3.4 | 77 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.854 | -5.7 | 76 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 67 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.495 | -3.0 | 78 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.093 | -4.2 | 80 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.036 | -8.1 | 83 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.391 | -8.8# | 82 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 110.539 | -10.5 | 83 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 60.446 | -20.9 | 84 | 0.00 |
| 70 | T | Styrene | 50.000 | 59.326 | -18.7 | 82 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.839 | -3.7 | 79 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 65 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 55.582 | -11.2 | 84 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 53.923 | -7.8 | 74 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.440 | -0.9 | 78 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.462 | -2.9 | 76 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.213 | -4.4 | 81 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 55.066 | -10.1 | 82 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.544 | -5.1 | 80 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 55.145 | -10.3 | 83 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.294 | -6.6 | 75 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.745 | -3.5 | 78 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 55.638 | -11.3 | 85 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.582 | -11.2 | 84 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 57.028 | -14.1 | 86 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 56.974 | -13.9 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.886 | -5.8 | 83 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 52.210 | -4.4 | 81 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 58.261 | -16.5 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.841 | -7.7 | 84 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.344 | -4.7 | 78 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.983 | -4.0 | 79 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 55.312 | -10.6 | 80 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 52.804 | -5.6 | 81 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 58.137 | -16.3 | 82 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 54.119 | -8.2 | 78 | 0.00 |

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