# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
Data File : VY015796.D
Acq On : 03 Oct 2023 10:00
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: Oct 04 01:04:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 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 | 97 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.550 | 12.9 | 77 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 51.818 | -3.6 | 92 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 50.182 | -0.4# | 89 | 0.01 |
| 5 | T | Bromomethane | 50.000 | 50.104 | -0.2 | 96 | 0.01 |
| 6 | T | Chloroethane | 50.000 | 57.223 | -14.4 | 103 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.070 | 5.9 | 87 | 0.01 |
| 8 | T | Diethyl Ether | 50.000 | 60.774 | -21.5 | 112 | 0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.591 | 6.8 | 86 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 54.307 | -8.6 | 102 | 0.01 |
| 11 | T | Tert butyl alcohol | 250.000 | 327.387 | -31.0# | 134 | 0.03 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.933 | -1.9# | 94 | 0.00 |
| 13 | T | Acrolein | 250.000 | 238.547 | 4.6 | 91 | 0.01 |
| 14 | T | Allyl chloride | 50.000 | 56.981 | -14.0 | 104 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 294.539 | -17.8 | 113 | 0.00 |
| 16 | T | Acetone | 250.000 | 259.919 | -4.0 | 104 | 0.02 |
| 17 | T | Carbon Disulfide | 50.000 | 48.626 | 2.7 | 84 | 0.01 |
| 18 | T | Methyl Acetate | 50.000 | 66.133 | -32.3# | 125 | 0.01 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 62.795 | -25.6# | 116 | 0.02 |
| 20 | T | Methylene Chloride | 50.000 | 58.999 | -18.0 | 110 | 0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 55.725 | -11.5 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 61.983 | -24.0 | 112 | 0.01 |
| 23 | T | Vinyl Acetate | 250.000 | 287.271 | -14.9 | 105 | 0.01 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 58.645 | -17.3 | 108 | 0.02 |
| 25 | T | 2-Butanone | 250.000 | 276.532 | -10.6 | 113 | 0.02 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 53.206 | -6.4 | 106 | 0.01 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 59.774 | -19.5 | 109 | 0.01 |
| 28 | T | Bromochloromethane | 50.000 | 42.129 | 15.7 | 80 | 0.01 |
| 29 | T | Tetrahydrofuran | 250.000 | 296.904 | -18.8 | 114 | 0.00 |
| 30 | C | Chloroform | 50.000 | 60.470 | -20.9# | 113 | 0.01 |
| 31 | T | Cyclohexane | 50.000 | 43.008 | 14.0 | 82 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 56.279 | -12.6 | 104 | 0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.805 | -3.6 | 110 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.880 | 2.2 | 109 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.111 | 3.8 | 97 | 0.01 |
| 37 | T | Ethyl Acetate | 50.000 | 52.331 | -4.7 | 110 | 0.01 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.076 | 1.8 | 99 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 41.071 | 17.9 | 82 | 0.00 |
| 40 | TM | Benzene | 50.000 | 53.435 | -6.9 | 106 | 0.01 |
| 41 | T | Methacrylonitrile | 50.000 | 52.205 | -4.4 | 123 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.744 | -9.5 | 111 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.512 | -11.0 | 115 | 0.01 |
| 44 | TM | Trichloroethene | 50.000 | 53.593 | -7.2 | 108 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 56.028 | -12.1# | 112 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.867 | -11.7 | 112 | 0.01 |
| 47 | T | Bromodichloromethane | 50.000 | 57.231 | -14.5 | 115 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 57.850 | -15.7 | 118 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 04 01:04:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 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 | 1176.773 | -17.7 | 126 | 0.02 |
| 50 | S | Toluene-d8 | 50.000 | 49.224 | 1.6 | 115 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 283.296 | -13.3 | 118 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.939 | -7.9# | 107 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 57.130 | -14.3 | 113 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 56.692 | -13.4 | 114 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 57.600 | -15.2 | 117 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 58.510 | -17.0 | 115 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 56.020 | -12.0 | 113 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 177.273 | 29.1# | 77 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 278.925 | -11.6 | 117 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 58.627 | -17.3 | 118 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 56.150 | -12.3 | 116 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.540 | 2.9 | 111 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 53.742 | -7.5 | 108 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 55.140 | -10.3 | 112 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 58.481 | -17.0 | 117 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.739 | -9.5# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 109.003 | -9.0 | 108 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 55.980 | -12.0 | 111 | 0.00 |
| 70 | T | Styrene | 50.000 | 57.274 | -14.5 | 112 | 0.00 |
| 71 | P | Bromoform | 50.000 | 60.767 | -21.5 | 121 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.142 | -8.3 | 108 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 57.369 | -14.7 | 113 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 57.615 | -15.2 | 120 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.116 | -6.2 | 106 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 56.690 | -13.4 | 115 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.700 | -7.4 | 106 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 55.661 | -11.3 | 110 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 55.740 | -11.5 | 110 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 58.470 | -16.9 | 117 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 55.183 | -10.4 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 56.685 | -13.4 | 112 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 56.495 | -13.0 | 111 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.624 | -7.2 | 105 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.304 | -10.6 | 108 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 55.779 | -11.6 | 111 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 55.928 | -11.9 | 112 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.301 | -4.6 | 103 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 57.861 | -15.7 | 115 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 57.335 | -14.7 | 114 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 57.423 | -14.8 | 122 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 57.745 | -15.5 | 114 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.334 | -2.7 | 100 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 61.549 | -23.1 | 121 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 59.302 | -18.6 | 117 | 0.00 |

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