# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031022\
Data File : VY007839.D
Acq On : 10 Mar 2022 20:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Mar 11 00:00:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 01 09:08:03 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 | 60 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.847 | 6.3 | 57 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 50.305 | -0.6 | 58 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.247 | 3.5# | 61 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 55.311 | -10.6 | 78 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.319 | 3.4 | 64 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.477 | -1.0 | 66 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.646 | -3.3 | 64 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 52.127 | -4.3 | 66 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 36.410 | 27.2# | 46 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 273.248 | -9.3 | 66 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.636 | 2.7# | 63 | 0.00 |
| 13 | T | Acrolein | 250.000 | 274.007 | -9.6 | 65 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.451 | -6.9 | 66 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 288.869 | -15.5 | 70 | 0.00 |
| 16 | T | Acetone | 250.000 | 293.473 | -17.4 | 73 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.126 | 5.7 | 56 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 60.415 | -20.8 | 71 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 54.847 | -9.7 | 67 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 57.098 | -14.2 | 67 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.727 | 0.5 | 64 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 58.887 | -17.8 | 72 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 302.993 | -21.2 | 70 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.556 | -7.1 | 67 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 311.061 | -24.4 | 74 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 52.438 | -4.9 | 64 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.398 | -4.8 | 64 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 56.766 | -13.5 | 70 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 299.958 | -20.0 | 72 | 0.00 |
| 30 | C | Chloroform | 50.000 | 56.974 | -13.9# | 70 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 53.163 | -6.3 | 62 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 55.342 | -10.7 | 68 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.058 | -0.1 | 65 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 62 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.187 | -0.4 | 65 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.034 | -2.1 | 65 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 56.450 | -12.9 | 69 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 53.765 | -7.5 | 68 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 48.096 | 3.8 | 61 | 0.00 |
| 40 | TM | Benzene | 50.000 | 53.397 | -6.8 | 67 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 59.604 | -19.2 | 69 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 55.464 | -10.9 | 69 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 57.563 | -15.1 | 69 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.138 | -0.3 | 63 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 56.358 | -12.7# | 71 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.960 | -11.9 | 69 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 58.272 | -16.5 | 71 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 59.964 | -19.9 | 73 | 0.00 |

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ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**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 | 1137.175 | -13.7 | 68 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 46.615 | 6.8 | 62 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 308.576 | -23.4 | 73 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.779 | -7.6# | 67 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 56.174 | -12.3 | 68 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 55.100 | -10.2 | 67 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 58.373 | -16.7 | 71 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.606 | -13.2 | 67 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 56.924 | -13.8 | 70 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 276.488 | -10.6 | 64 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 315.477 | -26.2# | 73 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 58.704 | -17.4 | 70 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.232 | -10.5 | 67 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.174 | -4.3 | 67 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 63 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.290 | 5.4 | 62 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.741 | -5.5 | 67 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.955 | -11.9 | 69 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.956 | -5.9# | 68 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 107.418 | -7.4 | 68 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.467 | -8.9 | 69 | 0.00 |
| 70 | T | Styrene | 50.000 | 57.073 | -14.1 | 71 | 0.00 |
| 71 | P | Bromoform | 50.000 | 56.128 | -12.3 | 69 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 68 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.100 | -2.2 | 70 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 53.796 | -7.6 | 71 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.596 | -7.2 | 72 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 54.028 | -8.1 | 72 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.969 | 0.1 | 68 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.753 | -3.5 | 70 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.079 | -4.2 | 71 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.187 | -4.4 | 70 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 51.338 | -2.7 | 68 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.214 | -4.4 | 71 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.491 | -5.0 | 70 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.931 | -5.9 | 71 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.508 | -7.0 | 72 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.436 | -6.9 | 71 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.191 | -4.4 | 71 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.435 | -6.9 | 73 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.099 | -8.2 | 72 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.671 | -7.3 | 73 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.337 | -6.7 | 72 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.558 | -7.1 | 72 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.219 | 1.6 | 66 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.473 | 1.1 | 66 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.107 | -2.2 | 67 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 49.570 | 0.9 | 67 | 0.00 |

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