# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
Data File : VY008995.D
Acq On : 23 May 2022 10:33
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 24 01:45:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
Quant Title : SW846 8260
QLast Update : Fri May 20 23:50:52 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 | 83 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 55.626 | -11.3 | 88 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 60.566 | -21.1 | 95 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 56.865 | -13.7# | 90 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 45.718 | 8.6 | 87 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 54.376 | -8.8 | 91 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.610 | -7.2 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.872 | -5.7 | 88 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 54.044 | -8.1 | 87 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 58.573 | -17.1 | 83 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 219.826 | 12.1 | 75 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 54.192 | -8.4# | 88 | 0.00 |
| 13 | T | Acrolein | 250.000 | 140.982 | 43.6# | 87 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 55.693 | -11.4 | 89 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 260.271 | -4.1 | 86 | 0.00 |
| 16 | T | Acetone | 250.000 | 280.819 | -12.3 | 95 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 55.028 | -10.1 | 88 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 49.229 | 1.5 | 80 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.040 | -6.1 | 86 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 49.650 | 0.7 | 80 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 53.079 | -6.2 | 88 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 56.896 | -13.8 | 91 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 280.568 | -12.2 | 87 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 54.993 | -10.0 | 90 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 267.791 | -7.1 | 86 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 55.640 | -11.3 | 91 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 54.160 | -8.3 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.513 | -3.0 | 87 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 263.295 | -5.3 | 83 | 0.00 |
| 30 | C | Chloroform | 50.000 | 54.797 | -9.6# | 89 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 52.888 | -5.8 | 87 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.268 | -8.5 | 86 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.089 | 7.8 | 98 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 79 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.251 | -0.5 | 94 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 57.565 | -15.1 | 88 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.881 | -5.8 | 82 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 56.331 | -12.7 | 86 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 57.206 | -14.4 | 84 | 0.00 |
| 40 | TM | Benzene | 50.000 | 57.106 | -14.2 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 56.806 | -13.6 | 84 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 56.229 | -12.5 | 86 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 56.351 | -12.7 | 84 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 56.040 | -12.1 | 86 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 58.738 | -17.5# | 88 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.842 | -11.7 | 85 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 57.039 | -14.1 | 87 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 57.212 | -14.4 | 82 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 24 01:45:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
Quant Title : SW846 8260
QLast Update : Fri May 20 23:50:52 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1027.224 | -2.7 | 78 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 45.819 | 8.4 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 279.698 | -11.9 | 81 | 0.00 |
| 52 | CM | Toluene | 50.000 | 59.058 | -18.1# | 86 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 59.779 | -19.6 | 87 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 57.955 | -15.9 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 56.886 | -13.8 | 84 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 58.313 | -16.6 | 83 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 58.074 | -16.1 | 86 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 286.450 | -14.6 | 84 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 295.009 | -18.0 | 83 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 57.312 | -14.6 | 84 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.374 | -10.7 | 81 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 59.400 | -18.8 | 88 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 80 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 53.484 | -7.0 | 83 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 55.301 | -10.6 | 85 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 56.509 | -13.0 | 85 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 57.214 | -14.4# | 84 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 119.569 | -19.6 | 84 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 59.483 | -19.0 | 84 | 0.00 |
| 70 | T | Styrene | 50.000 | 60.458 | -20.9 | 82 | 0.00 |
| 71 | P | Bromoform | 50.000 | 56.667 | -13.3 | 81 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 80 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.142 | -4.3 | 83 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.381 | -8.8 | 85 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.965 | 2.1 | 81 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 52.143 | -4.3 | 81 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.089 | -2.2 | 84 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 57.033 | -14.1 | 134 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 53.606 | -7.2 | 84 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 55.221 | -10.4 | 83 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 52.385 | -4.8 | 85 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 56.266 | -12.5 | 84 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 54.019 | -8.0 | 83 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 56.127 | -12.3 | 84 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 56.446 | -12.9 | 84 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 57.527 | -15.1 | 85 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 55.056 | -10.1 | 84 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.911 | -7.8 | 83 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 56.745 | -13.5 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.262 | -6.5 | 84 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 54.700 | -9.4 | 85 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.425 | 7.2 | 74 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 50.426 | -0.9 | 83 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.515 | 1.0 | 82 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 49.365 | 1.3 | 79 | 0.00 |

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.018 | -0.0 | 83 | 0.00 |

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