# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
Data File : VY009080.D
Acq On : 25 May 2022 11:01
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 26 04:26:01 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 | 68 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 55.148 | -10.3 | 72 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 58.459 | -16.9 | 76 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 56.918 | -13.8# | 75 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 45.965 | 8.1 | 73 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 54.608 | -9.2 | 75 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.142 | -6.3 | 71 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.048 | -2.1 | 70 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 54.329 | -8.7 | 72 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 57.654 | -15.3 | 67 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 230.119 | 8.0 | 65 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.292 | -6.6# | 72 | 0.01 |
| 13 | T | Acrolein | 250.000 | 113.560 | 54.6# | 58 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.086 | -6.2 | 70 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 263.418 | -5.4 | 72 | 0.00 |
| 16 | T | Acetone | 250.000 | 277.899 | -11.2 | 77 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 52.897 | -5.8 | 70 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 52.175 | -4.3 | 70 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.161 | -4.3 | 70 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 50.742 | -1.5 | 67 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.579 | -3.2 | 71 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.511 | -9.0 | 72 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 273.688 | -9.5 | 70 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.276 | -6.6 | 72 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 270.464 | -8.2 | 71 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 55.427 | -10.9 | 75 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.396 | -4.8 | 69 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.971 | -1.9 | 71 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 267.083 | -6.8 | 70 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.152 | -4.3# | 70 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 50.689 | -1.4 | 69 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.318 | -6.6 | 70 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 42.391 | 15.2 | 74 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 67 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 44.665 | 10.7 | 71 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 54.238 | -8.5 | 70 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.004 | -4.0 | 68 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 53.169 | -6.3 | 69 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.900 | -7.8 | 67 | 0.00 |
| 40 | TM | Benzene | 50.000 | 53.504 | -7.0 | 69 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 44.339 | 11.3 | 55 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.778 | -9.6 | 71 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.432 | -10.9 | 70 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.235 | -4.5 | 68 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 54.491 | -9.0# | 69 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.145 | -6.3 | 68 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.119 | -8.2 | 70 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 56.405 | -12.8 | 69 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 26 04:26:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
Quant Title : SW846 8260
QLast Update : Fri May 20 23:50:52 2022
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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 | 1050.873 | -5.1 | 68 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 41.416 | 17.2 | 72 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 283.205 | -13.3 | 69 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.874 | -9.7# | 67 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 55.898 | -11.8 | 69 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.761 | -9.5 | 70 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.486 | -7.0 | 67 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.795 | -9.6 | 66 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.984 | -10.0 | 69 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 265.952 | -6.4 | 66 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 291.602 | -16.6 | 69 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.217 | -8.4 | 67 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.891 | -7.8 | 67 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.064 | -4.1 | 66 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 65 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.958 | -3.9 | 66 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 53.627 | -7.3 | 67 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.334 | -10.7 | 68 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 56.332 | -12.7# | 67 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 116.870 | -16.9 | 67 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 58.268 | -16.5 | 67 | 0.00 |
| 70 | T | Styrene | 50.000 | 59.906 | -19.8 | 66 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.611 | -11.2 | 65 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 68 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.203 | 1.6 | 67 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.188 | -8.4 | 73 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.943 | 6.1 | 67 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.308 | -0.6 | 67 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 46.585 | 6.8 | 65 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.729 | -7.5 | 108 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.694 | 0.6 | 66 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.735 | -3.5 | 67 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.456 | 1.1 | 68 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.365 | -4.7 | 67 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.722 | -1.4 | 66 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.490 | -5.0 | 67 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.349 | -6.7 | 68 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 54.111 | -8.2 | 68 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.666 | -3.3 | 68 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.443 | -2.9 | 68 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.405 | -8.8 | 70 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.914 | 0.2 | 67 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.473 | -0.9 | 67 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.181 | 9.6 | 62 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.155 | 5.7 | 66 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 46.657 | 6.7 | 66 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 47.062 | 5.9 | 64 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.844 | 6.3 | 66 | 0.00 |

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