# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
Data File : VD073011.D
Acq On : 14 May 2022 01:59
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: May 16 05:19:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 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 | 91 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 39.847 | 20.3 | 74 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 39.737 | 20.5 | 76 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 41.917 | 16.2# | 75 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 47.820 | 4.4 | 87 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 43.617 | 12.8 | 82 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 44.129 | 11.7 | 82 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.255 | 7.5 | 87 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 45.271 | 9.5 | 84 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.153 | 5.7 | 82 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 248.847 | 0.5 | 107 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 45.953 | 8.1# | 85 | 0.00 |
| 13 | T | Acrolein | 250.000 | 77.456 | 69.0# | 33 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.196 | 3.6 | 87 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 231.079 | 7.6 | 85 | 0.00 |
| 16 | T | Acetone | 250.000 | 208.891 | 16.4 | 67 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 41.833 | 16.3 | 77 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 48.778 | 2.4 | 90 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 48.325 | 3.3 | 86 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 49.212 | 1.6 | 91 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.389 | 3.2 | 87 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 48.096 | 3.8 | 85 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 236.687 | 5.3 | 83 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.584 | 2.8 | 91 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 224.495 | 10.2 | 80 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 44.038 | 11.9 | 80 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.999 | 4.0 | 89 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.822 | 4.4 | 84 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 230.428 | 7.8 | 83 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.207 | 3.6# | 91 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 43.688 | 12.6 | 79 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.062 | 3.9 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 44.863 | 10.3 | 86 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.016 | -2.0 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.339 | 3.3 | 86 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 45.849 | 8.3 | 81 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.449 | 3.1 | 87 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 45.807 | 8.4 | 81 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.355 | 1.3 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 45.790 | 8.4 | 76 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.445 | 5.1 | 87 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 47.508 | 5.0 | 84 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.955 | 2.1 | 89 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.861 | 2.3# | 89 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.418 | 5.2 | 87 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.585 | 2.8 | 88 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 45.825 | 8.3 | 78 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: May 16 05:19:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 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 | 911.437 | 8.9 | 85 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.303 | -0.6 | 93 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 242.579 | 3.0 | 85 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.476 | -3.0# | 90 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 46.825 | 6.3 | 83 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.180 | 3.6 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.436 | 3.1 | 88 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 50.864 | -1.7 | 85 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.556 | 2.9 | 89 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 253.314 | -1.3 | 85 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 240.810 | 3.7 | 79 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.347 | 1.3 | 91 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 47.739 | 4.5 | 86 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.810 | 0.4 | 91 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.276 | 3.4 | 88 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.150 | -0.3 | 90 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.276 | -0.6 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.399 | -4.8# | 91 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.577 | -4.6 | 89 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.402 | -4.8 | 89 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.848 | -5.7 | 89 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.672 | -1.3 | 91 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 89 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.538 | -9.1 | 92 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.066 | -0.1 | 84 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.096 | -0.2 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.977 | 2.0 | 82 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.290 | -2.6 | 89 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 52.920 | -5.8 | 89 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.166 | -4.3 | 91 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 54.038 | -8.1 | 90 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.951 | 4.1 | 81 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.022 | -4.0 | 90 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 54.839 | -9.7 | 92 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.178 | -6.4 | 90 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 54.155 | -8.3 | 91 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.332 | -6.7 | 89 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.914 | -1.8 | 91 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.596 | -1.2 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.246 | -4.5 | 87 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 52.866 | -5.7 | 93 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.787 | -1.6 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.687 | 8.6 | 82 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 50.832 | -1.7 | 86 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.387 | -0.8 | 90 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.147 | -4.3 | 86 | 0.00 |

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**LabSampleId :**
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Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.367 | -0.7 | 85 | 0.00 |

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