# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
Data File : VD073250.D
Acq On : 22 May 2022 02:11
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: May 22 02:32:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 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 | 86 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 42.182 | 15.6 | 83 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.234 | 13.5 | 85 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.135 | 11.7# | 82 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 50.751 | -1.5 | 86 | -0.01 |
| 6 | T | Chloroethane | 50.000 | 47.161 | 5.7 | 86 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.003 | 6.0 | 86 | -0.01 |
| 8 | T | Diethyl Ether | 50.000 | 56.655 | -13.3 | 99 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.002 | 6.0 | 88 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.293 | 1.4 | 85 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 127.046 | 49.2# | 84 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.507 | 3.0# | 87 | 0.00 |
| 13 | T | Acrolein | 250.000 | 290.887 | -16.4 | 103 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.546 | -1.1 | 90 | -0.01 |
| 15 | T | Acrylonitrile | 250.000 | 300.280 | -20.1 | 106 | 0.00 |
| 16 | T | Acetone | 250.000 | 254.295 | -1.7 | 101 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 44.920 | 10.2 | 83 | -0.01 |
| 18 | T | Methyl Acetate | 50.000 | 60.254 | -20.5 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 59.244 | -18.5 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 54.715 | -9.4 | 96 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.437 | -0.9 | 90 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 57.325 | -14.7 | 98 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 294.247 | -17.7 | 101 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.426 | -6.9 | 97 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 290.801 | -16.3 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 41.275 | 17.5 | 75 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 54.479 | -9.0 | 96 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 55.720 | -11.4 | 98 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 304.355 | -21.7 | 108 | 0.00 |
| 30 | C | Chloroform | 50.000 | 53.414 | -6.8# | 97 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 43.865 | 12.3 | 81 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.013 | -2.0 | 93 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 55.925 | -11.8 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.181 | -6.4 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 46.329 | 7.3 | 88 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 56.338 | -12.7 | 109 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.447 | 5.1 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 44.976 | 10.0 | 82 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.400 | -0.8 | 96 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.372 | -0.7 | 109 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 52.352 | -4.7 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 56.948 | -13.9 | 106 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.651 | 0.7 | 94 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.843 | -3.7# | 98 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.904 | -3.8 | 99 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.011 | -6.0 | 101 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 53.734 | -7.5 | 100 | 0.00 |

Evaluate Continuing Calibration Report

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Data File : VD073250.D
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Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: May 22 02:32:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 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 | 1206.469 | -20.6 | 115 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.806 | -3.6 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 296.797 | -18.7 | 109 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.089 | -4.2# | 95 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.110 | -4.2 | 99 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.136 | -2.3 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.989 | -10.0 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 59.303 | -18.6 | 103 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.133 | -8.3 | 100 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 287.627 | -15.1 | 116 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 305.851 | -22.3 | 111 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.233 | -10.5 | 105 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.065 | -10.1 | 105 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.299 | -4.6 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.231 | 5.5 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.063 | -0.1 | 98 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.602 | -5.2 | 102 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.254 | -0.5# | 94 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 101.331 | -1.3 | 93 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.550 | -5.1 | 98 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.574 | -7.1 | 98 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.563 | -11.1 | 109 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.923 | -1.8 | 93 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 55.818 | -11.6 | 105 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.911 | -9.8 | 108 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.510 | -3.0 | 100 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.600 | -5.2 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.986 | 0.0 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.927 | -1.9 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.333 | -2.7 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.229 | -0.5 | 94 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.275 | -2.5 | 96 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.497 | -1.0 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.712 | -5.4 | 98 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.797 | 0.4 | 93 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.764 | -1.5 | 93 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.336 | -2.7 | 99 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.010 | -0.0 | 99 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.179 | 1.6 | 90 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.114 | -0.2 | 97 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.071 | -6.1 | 102 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 56.552 | -13.1 | 113 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.255 | -2.5 | 95 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.229 | 5.5 | 95 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.401 | -4.8 | 108 | 0.00 |

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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: May 22 02:32:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 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 | 53.435 | -6.9 | 100 | 0.00 |

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