# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122722\
Data File : VD075057.D
Acq On : 27 Dec 2022 17:12
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Dec 28 01:53:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 23 05:54:19 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 | 81 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 52.832 | -5.7 | 96 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 59.206 | -18.4 | 97 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 54.438 | -8.9# | 101 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 57.302 | -14.6 | 95 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 53.893 | -7.8 | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 52.382 | -4.8 | 97 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 56.168 | -12.3 | 96 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 53.755 | -7.5 | 97 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 42.866 | 14.3 | 75 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 294.255 | -17.7 | 93 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.301 | -2.6# | 93 | 0.00 |
| 13 | T | Acrolein | 250.000 | 234.335 | 6.3 | 84 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.209 | -6.4 | 90 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 292.397 | -17.0 | 94 | 0.00 |
| 16 | T | Acetone | 250.000 | 322.892 | -29.2# | 98 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 51.507 | -3.0 | 91 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 56.783 | -13.6 | 90 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 58.438 | -16.9 | 97 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 58.884 | -17.8 | 92 | 0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.135 | -2.3 | 93 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 55.453 | -10.9 | 94 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 312.048 | -24.8 | 94 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 54.073 | -8.1 | 94 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 301.579 | -20.6 | 98 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 52.728 | -5.5 | 93 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 54.663 | -9.3 | 94 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 54.157 | -8.3 | 90 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 281.708 | -12.7 | 95 | 0.00 |
| 30 | C | Chloroform | 50.000 | 55.882 | -11.8# | 95 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 53.196 | -6.4 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.395 | -6.8 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 57.089 | -14.2 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 84 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 54.787 | -9.6 | 93 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.633 | 2.7 | 91 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 55.366 | -10.7 | 99 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 53.304 | -6.6 | 96 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 48.399 | 3.2 | 94 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.174 | -2.3 | 93 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 52.261 | -4.5 | 94 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.526 | -9.1 | 95 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 54.788 | -9.6 | 96 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.879 | -1.8 | 94 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.724 | -5.4# | 93 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.422 | -8.8 | 96 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.519 | -7.0 | 93 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.954 | -5.9 | 94 | 0.00 |

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

Quant Time: Dec 28 01:53:58 2022
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Quant Title : SW846 8260
QLast Update : Fri Dec 23 05:54:19 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 | 1146.099 | -14.6 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.684 | -1.4 | 86 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 284.397 | -13.8 | 97 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.414 | 1.2# | 91 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 55.503 | -11.0 | 94 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.482 | -7.0 | 92 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.471 | -8.9 | 94 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.989 | -10.0 | 94 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.709 | -9.4 | 93 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 275.832 | -10.3 | 92 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 292.008 | -16.8 | 97 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 56.593 | -13.2 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.416 | -8.8 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.228 | -4.5 | 89 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 85 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.929 | 0.1 | 96 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.034 | -4.1 | 94 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.098 | -6.2 | 94 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.749 | 0.5# | 93 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.335 | 0.7 | 93 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.285 | -0.6 | 91 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.776 | -1.6 | 92 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.108 | -10.2 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 84 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.090 | -0.2 | 93 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 53.250 | -6.5 | 97 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.157 | -8.3 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.274 | -6.5 | 97 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 53.003 | -6.0 | 96 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.369 | 1.3 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.437 | -0.9 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.145 | -0.3 | 93 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 51.618 | -3.2 | 90 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.785 | -1.6 | 93 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.280 | -0.6 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.951 | 0.1 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.912 | 2.2 | 92 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.311 | 1.4 | 93 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.473 | -2.9 | 95 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 52.743 | -5.5 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.144 | 1.7 | 93 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.716 | 0.6 | 92 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.142 | -6.3 | 95 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.616 | -7.2 | 94 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.218 | -8.4 | 98 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.851 | 2.3 | 91 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 56.717 | -13.4 | 98 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 55.329 | -10.7 | 99 | 0.00 |

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