# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
Data File : VD077914.D
Acq On : 15 Dec 2023 20:53
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Dec 16 05:08:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
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 | 80 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 44.231 | 11.5 | 73 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 59.568 | -19.1 | 97 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 58.387 | -16.8# | 91 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 71.392 | -42.8# | 110 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 61.518 | -23.0 | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.787 | -1.6 | 80 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 60.201 | -20.4 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 52.708 | -5.4 | 82 | 0.01 |
| 10 | T | Methyl Iodide | 50.000 | 70.047 | -40.1# | 116 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 297.958 | -19.2 | 97 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.702 | -7.4# | 83 | 0.00 |
| 13 | T | Acrolein | 250.000 | 249.591 | 0.2 | 81 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 55.623 | -11.2 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 311.266 | -24.5 | 99 | 0.00 |
| 16 | T | Acetone | 250.000 | 256.782 | -2.7 | 88 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.526 | -1.1 | 79 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 64.826 | -29.7# | 103 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 63.120 | -26.2# | 99 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 62.009 | -24.0 | 94 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 59.333 | -18.7 | 89 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 60.248 | -20.5 | 92 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 283.139 | -13.3 | 87 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 58.459 | -16.9 | 91 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 276.379 | -10.6 | 93 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 54.810 | -9.6 | 86 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 61.748 | -23.5 | 94 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.452 | -0.9 | 78 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 298.397 | -19.4 | 95 | 0.00 |
| 30 | C | Chloroform | 50.000 | 60.768 | -21.5# | 94 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.675 | 2.7 | 77 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 56.721 | -13.4 | 87 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 57.508 | -15.0 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 57.083 | -14.2 | 94 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.511 | -3.0 | 84 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.069 | 3.9 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.103 | -2.2 | 84 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.215 | 1.6 | 79 | 0.00 |
| 40 | TM | Benzene | 50.000 | 56.171 | -12.3 | 93 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.050 | -0.1 | 92 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 55.586 | -11.2 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.841 | -11.7 | 96 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 54.346 | -8.7 | 88 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 59.228 | -18.5# | 98 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 59.740 | -19.5 | 99 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 57.974 | -15.9 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 56.474 | -12.9 | 95 | 0.00 |

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ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Dec 16 05:08:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
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 | 1174.977 | -17.5 | 112 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 56.699 | -13.4 | 91 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 282.769 | -13.1 | 95 | 0.00 |
| 52 | CM | Toluene | 50.000 | 56.666 | -13.3# | 91 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 58.300 | -16.6 | 96 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 58.058 | -16.1 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 60.044 | -20.1 | 100 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 58.654 | -17.3 | 97 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 59.448 | -18.9 | 98 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 245.143 | 1.9 | 89 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 240.576 | 3.8 | 93 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 60.330 | -20.7 | 99 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 58.606 | -17.2 | 99 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 56.266 | -12.5 | 93 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 54.723 | -9.4 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 54.649 | -9.3 | 92 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 59.199 | -18.4 | 97 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 56.824 | -13.6# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 117.354 | -17.4 | 93 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 58.775 | -17.5 | 94 | 0.00 |
| 70 | T | Styrene | 50.000 | 60.581 | -21.2 | 96 | 0.00 |
| 71 | P | Bromoform | 50.000 | 59.118 | -18.2 | 99 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 56.506 | -13.0 | 90 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 53.824 | -7.6 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 59.461 | -18.9 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.915 | 6.2 | 67 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 58.777 | -17.6 | 97 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 55.857 | -11.7 | 88 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 57.466 | -14.9 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 57.854 | -15.7 | 91 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 58.897 | -17.8 | 99 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 57.950 | -15.9 | 93 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 59.921 | -19.8 | 94 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 59.253 | -18.5 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 57.190 | -14.4 | 90 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 58.578 | -17.2 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 58.922 | -17.8 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 56.938 | -13.9 | 92 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 55.923 | -11.8 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 58.938 | -17.9 | 94 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 58.560 | -17.1 | 97 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 62.871 | -25.7# | 103 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 53.192 | -6.4 | 91 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 54.070 | -8.1 | 86 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 60.951 | -21.9 | 99 | 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 | 57.207 | -14.4 | 96 | 0.00 |

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