# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022223\
Data File : VD075395.D
Acq On : 22 Feb 2023 11:08
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 22 22:35:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 21 16:26:04 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 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 44.290 | 11.4 | 96 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 44.256 | 11.5 | 96 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.067 | 5.9# | 95 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 50.147 | -0.3 | 105 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 45.889 | 8.2 | 96 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 48.574 | 2.9 | 98 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.125 | -2.3 | 100 | -0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.516 | -1.0 | 103 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.540 | 4.9 | 99 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 199.586 | 20.2 | 85 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.671 | -1.3# | 100 | 0.00 |
| 13 | T | Acrolein | 250.000 | 136.602 | 45.4# | 76 | -0.01 |
| 14 | T | Allyl chloride | 50.000 | 50.538 | -1.1 | 99 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 233.506 | 6.6 | 92 | 0.00 |
| 16 | T | Acetone | 250.000 | 294.950 | -18.0 | 111 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.941 | 6.1 | 95 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 45.508 | 9.0 | 97 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.192 | 1.6 | 95 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.473 | -2.9 | 97 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.665 | -1.3 | 101 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.644 | -5.3 | 102 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 307.517 | -23.0 | 113 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.551 | 0.9 | 99 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 267.932 | -7.2 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 52.042 | -4.1 | 104 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.225 | -0.5 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.863 | -1.7 | 97 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 247.704 | 0.9 | 95 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.001 | -0.0# | 100 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.730 | 4.5 | 99 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.856 | 0.3 | 98 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 49.181 | 1.6 | 99 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 46.092 | 7.8 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.962 | -1.9 | 100 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.163 | -0.3 | 98 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.710 | -1.4 | 99 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.380 | -0.8 | 96 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.114 | -0.2 | 99 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 42.759 | 14.5 | 89 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.519 | -3.0 | 102 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.772 | 0.5 | 99 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.602 | 0.8 | 99 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.890 | -3.8# | 101 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.681 | -1.4 | 101 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.855 | -1.7 | 100 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.836 | 2.3 | 94 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 950.536 | 4.9 | 97 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 44.065 | 11.9 | 98 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 256.253 | -2.5 | 99 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.702 | -5.4# | 102 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 56.222 | -12.4 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 55.425 | -10.8 | 106 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 49.211 | 1.6 | 97 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.074 | -4.1 | 97 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.066 | -0.1 | 99 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 292.732 | -17.1 | 134 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 275.604 | -10.2 | 102 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.567 | 0.9 | 99 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.792 | -1.6 | 100 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 46.892 | 6.2 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.179 | -0.4 | 100 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.616 | -1.2 | 100 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.427 | -4.9 | 103 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.519 | -7.0# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.925 | -4.9 | 101 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.005 | -4.0 | 99 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.710 | -5.4 | 100 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.531 | -3.1 | 99 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.384 | -2.8 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.019 | 2.0 | 95 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.272 | 3.5 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 65.435 | -30.9# | 116 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 47.765 | 4.5 | 99 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.955 | -1.9 | 100 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.721 | 0.6 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.716 | -3.4 | 101 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.092 | -6.2 | 119 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.599 | -1.2 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.992 | 0.0 | 99 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.990 | -4.0 | 101 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.909 | -1.8 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.503 | -5.0 | 101 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.239 | 1.5 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.460 | -0.9 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.564 | -3.1 | 101 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.686 | 0.6 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.886 | 0.2 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.952 | 2.1 | 97 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.888 | 0.2 | 101 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.056 | 1.9 | 98 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.967 | 2.1 | 97 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.413 | -0.8 | 100 | 0.00 |

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