# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
Data File : VD075694.D
Acq On : 17 Apr 2023 10:47
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 18 01:16:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 14:16:29 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 | 104 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 50.871 | -1.7 | 110 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 41.795 | 16.4 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 45.868 | 8.3# | 99 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 45.636 | 8.7 | 101 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 45.348 | 9.3 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.783 | -3.6 | 112 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 42.997 | 14.0 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 52.642 | -5.3 | 114 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.250 | 5.5 | 95 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 208.196 | 16.7 | 91 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.595 | 2.8# | 103 | 0.00 |
| 13 | T | Acrolein | 250.000 | 223.780 | 10.5 | 96 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.843 | 10.3 | 93 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 233.283 | 6.7 | 99 | 0.00 |
| 16 | T | Acetone | 250.000 | 272.000 | -8.8 | 106 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 45.161 | 9.7 | 97 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 45.066 | 9.9 | 96 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 45.923 | 8.2 | 94 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 45.189 | 9.6 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.635 | 4.7 | 100 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 47.339 | 5.3 | 96 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 248.799 | 0.5 | 98 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.491 | 7.0 | 99 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 244.967 | 2.0 | 100 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.604 | 6.8 | 102 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 45.943 | 8.1 | 96 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 45.053 | 9.9 | 98 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 239.164 | 4.3 | 97 | 0.00 |
| 30 | C | Chloroform | 50.000 | 46.367 | 7.3# | 100 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.961 | 0.1 | 109 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.058 | 1.9 | 102 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 44.803 | 10.4 | 98 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.746 | 0.5 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 53.057 | -6.1 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.526 | 0.9 | 100 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 55.570 | -11.1 | 107 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 58.900 | -17.8 | 110 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.076 | -0.2 | 99 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 46.076 | 7.8 | 98 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.623 | -1.2 | 98 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 48.572 | 2.9 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.246 | -2.5 | 101 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.787 | 0.4# | 98 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 48.627 | 2.7 | 96 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 49.773 | 0.5 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.715 | -3.4 | 96 | 0.00 |

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MSVOA_D
**LabSampleId :**
VSTDCCC050

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Quant Title : SW846 8260
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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 | 940.859 | 5.9 | 90 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.913 | 0.2 | 89 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 253.086 | -1.2 | 89 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.190 | -0.4# | 88 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.436 | -0.9 | 91 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.789 | 2.4 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.814 | -5.6 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.833 | -9.7 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.366 | -6.7 | 100 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 251.260 | -0.5 | 88 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 315.278 | -26.1# | 109 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.994 | -6.0 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.834 | -1.7 | 94 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.673 | -3.3 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 57.620 | -15.2 | 106 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.889 | 4.2 | 101 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 47.737 | 4.5 | 100 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.448 | -0.9# | 99 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 103.066 | -3.1 | 101 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.212 | -2.4 | 98 | 0.00 |
| 70 | T | Styrene | 50.000 | 48.282 | 3.4 | 98 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.076 | -0.2 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.391 | -8.8 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.791 | -1.6 | 97 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.501 | -1.0 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 43.947 | 12.1 | 100 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.765 | -1.5 | 101 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 54.145 | -8.3 | 102 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.282 | -0.6 | 99 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.792 | -7.6 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.817 | 0.4 | 93 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.911 | 0.2 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 54.219 | -8.4 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.665 | -7.3 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 55.367 | -10.7 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.344 | -10.7 | 103 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.695 | -1.4 | 100 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.459 | -0.9 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 55.157 | -10.3 | 104 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.820 | -1.6 | 104 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.133 | -0.3 | 100 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.723 | 6.6 | 96 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 48.991 | 2.0 | 101 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.589 | -1.2 | 108 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.061 | -0.1 | 100 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 48.888 | 2.2 | 103 | 0.00 |

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