# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010224\
Data File : VD078115.D
Acq On : 02 Jan 2024 09:23
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 03 00:02:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 27 03:40:16 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 | 111 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.106 | 9.8 | 111 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.117 | 13.8 | 97 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.397 | 11.2# | 97 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 43.344 | 13.3 | 103 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 44.225 | 11.5 | 99 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.552 | -1.1 | 116 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.411 | 1.2 | 115 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.437 | -2.9 | 119 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 54.640 | -9.3 | 111 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 306.111 | -22.4 | 120 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.815 | -3.6# | 116 | 0.00 |
| 13 | T | Acrolein | 250.000 | 219.685 | 12.1 | 128 | -0.01 |
| 14 | T | Allyl chloride | 50.000 | 46.856 | 6.3 | 110 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 247.464 | 1.0 | 111 | 0.00 |
| 16 | T | Acetone | 250.000 | 312.063 | -24.8 | 143 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.674 | 0.7 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 54.469 | -8.9 | 115 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.611 | -3.2 | 115 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.539 | -5.1 | 113 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.669 | -1.3 | 112 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.364 | -0.7 | 111 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 239.325 | 4.3 | 108 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.920 | 2.2 | 113 | -0.01 |
| 25 | T | 2-Butanone | 250.000 | 267.725 | -7.1 | 122 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.586 | -3.2 | 117 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.017 | -0.0 | 112 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.482 | 1.0 | 103 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 239.102 | 4.4 | 113 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.208 | -0.4# | 112 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.739 | 2.5 | 109 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.838 | -5.7 | 117 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 43.880 | 12.2 | 107 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 47.563 | 4.9 | 114 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 54.309 | -8.6 | 113 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.135 | -0.3 | 109 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 56.841 | -13.7 | 121 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 55.841 | -11.7 | 117 | 0.00 |
| 40 | TM | Benzene | 50.000 | 54.236 | -8.5 | 112 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 52.286 | -4.6 | 115 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.839 | -3.7 | 108 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.917 | -3.8 | 111 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 55.737 | -11.5 | 118 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.727 | -3.5# | 107 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.584 | -7.2 | 109 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.432 | -2.9 | 110 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.183 | -0.4 | 105 | 0.00 |

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**Instrument :**
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 | 1159.973 | -16.0 | 120 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.754 | 0.5 | 112 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 263.440 | -5.4 | 112 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.674 | -9.3# | 112 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 54.783 | -9.6 | 113 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.724 | -7.4 | 112 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.982 | -8.0 | 114 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 55.870 | -11.7 | 115 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.709 | -5.4 | 110 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 298.476 | -19.4 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 268.844 | -7.5 | 124 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.273 | -10.5 | 114 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.814 | -7.6 | 113 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.542 | 2.9 | 111 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 57.806 | -15.6 | 122 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 54.203 | -8.4 | 114 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 56.573 | -13.1 | 119 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 55.602 | -11.2# | 114 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 113.073 | -13.1 | 115 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 55.182 | -10.4 | 114 | 0.00 |
| 70 | T | Styrene | 50.000 | 56.470 | -12.9 | 111 | 0.00 |
| 71 | P | Bromoform | 50.000 | 56.805 | -13.6 | 122 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 58.511 | -17.0 | 118 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.806 | -3.6 | 107 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.366 | -6.7 | 111 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 42.300 | 15.4 | 86 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 57.817 | -15.6 | 119 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 56.494 | -13.0 | 116 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 55.118 | -10.2 | 113 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 57.228 | -14.5 | 114 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 54.229 | -8.5 | 115 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 53.842 | -7.7 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 58.819 | -17.6 | 120 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 56.421 | -12.8 | 114 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 58.036 | -16.1 | 117 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 59.073 | -18.1 | 121 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 57.233 | -14.5 | 116 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 56.535 | -13.1 | 115 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 56.705 | -13.4 | 116 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 57.057 | -14.1 | 117 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 56.473 | -12.9 | 115 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.558 | -7.1 | 110 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 59.094 | -18.2 | 124 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 64.743 | -29.5# | 136 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 58.998 | -18.0 | 121 | 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 | 60.559 | -21.1 | 125 | 0.00 |

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