# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110322\
Data File : VD074726.D
Acq On : 03 Nov 2022 20:15
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Nov 04 00:04:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 03 02:30:45 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 | 96 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 44.652 | 10.7 | 94 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.271 | 7.5 | 94 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.949 | 2.1# | 95 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.681 | 2.6 | 105 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 50.093 | -0.2 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 48.530 | 2.9 | 94 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.599 | -1.2 | 98 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.128 | -0.3 | 99 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.857 | 8.3 | 93 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 196.572 | 21.4 | 89 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.032 | 1.9# | 92 | 0.00 |
| 13 | T | Acrolein | 250.000 | 197.149 | 21.1 | 80 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 51.922 | -3.8 | 99 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 246.898 | 1.2 | 94 | 0.00 |
| 16 | T | Acetone | 250.000 | 208.872 | 16.5 | 79 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.997 | 0.0 | 94 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.927 | 10.1 | 96 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.995 | -6.0 | 100 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.450 | -4.9 | 102 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.643 | -5.3 | 100 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.592 | -9.2 | 100 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 263.817 | -5.5 | 101 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.603 | -3.2 | 100 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 228.914 | 8.4 | 89 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.096 | 3.8 | 95 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.291 | -2.6 | 98 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 53.173 | -6.3 | 104 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 256.081 | -2.4 | 96 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.634 | -5.3# | 102 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.030 | 3.9 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.909 | -3.8 | 99 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.649 | 4.7 | 97 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.124 | 3.8 | 101 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.036 | -0.1 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.753 | -1.5 | 100 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.539 | -1.1 | 98 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.502 | 5.0 | 88 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.924 | -1.8 | 98 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 46.100 | 7.8 | 94 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.514 | -3.0 | 100 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.526 | -1.1 | 99 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.639 | -1.3 | 98 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.435 | 3.1# | 91 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.267 | 5.5 | 90 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.545 | 2.9 | 91 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.216 | 3.6 | 89 | 0.00 |

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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 | 967.763 | 3.2 | 86 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 44.243 | 11.5 | 98 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 239.653 | 4.1 | 91 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.348 | 3.3# | 98 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.748 | 2.5 | 99 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.288 | 3.4 | 89 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.723 | 4.6 | 100 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.510 | 1.0 | 100 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.241 | 3.5 | 100 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 260.984 | -4.4 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 234.037 | 6.4 | 93 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.067 | 1.9 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 48.173 | 3.7 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 45.687 | 8.6 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.754 | 0.5 | 101 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.513 | -5.0 | 101 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.099 | -8.2 | 103 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.904 | -5.8# | 99 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 106.059 | -6.1 | 99 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.260 | -8.5 | 100 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.700 | -9.4 | 101 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.831 | -5.7 | 100 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.768 | -5.5 | 99 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.802 | -3.6 | 98 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.286 | -4.6 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.004 | -0.0 | 96 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 53.758 | -7.5 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 52.908 | -5.8 | 99 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 53.155 | -6.3 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.198 | -6.4 | 99 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 52.925 | -5.8 | 100 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.822 | -5.6 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.154 | -2.3 | 95 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.814 | -7.6 | 101 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.373 | -4.7 | 99 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.399 | -4.8 | 99 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.852 | -3.7 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.772 | -1.5 | 99 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.228 | -4.5 | 98 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 52.149 | -4.3 | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.550 | -5.1 | 102 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.390 | 1.2 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.320 | -2.6 | 100 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.266 | -2.5 | 99 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.473 | -2.9 | 96 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.956 | -3.9 | 102 | 0.00 |

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