# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
Data File : VD076185.D
Acq On : 22 May 2023 19:52
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: May 23 01:26:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 73 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.451 | 0.366 | 18.8 | 68 | 0.00 |
| 3 | P | Chloromethane | 0.857 | 0.787 | 8.2 | 77 | 0.00 |
| 4 | C | Vinyl Chloride | 0.973 | 0.971 | 0.2# | 81 | 0.00 |
| 5 | T | Bromomethane | 0.655 | 0.592 | 9.6 | 71 | 0.00 |
| 6 | T | Chloroethane | 0.654 | 0.653 | 0.2 | 79 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.824 | 0.709 | 14.0 | 72 | 0.00 |
| 8 | T | Diethyl Ether | 0.271 | 0.262 | 3.3 | 70 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.543 | 0.479 | 11.8 | 74 | 0.00 |
| 10 | T | Methyl Iodide | 0.565 | 0.578 | -2.3 | 70 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.026 | 0.027 | -3.8 | 78 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.540 | 0.462 | 14.4# | 68 | 0.00 |
| 13 | T | Acrolein | 0.063 | 0.048 | 23.8 | 55 | 0.00 |
| 14 | T | Allyl chloride | 0.548 | 0.510 | 6.9 | 68 | 0.00 |
| 15 | T | Acrylonitrile | 0.112 | 0.116 | -3.6 | 75 | 0.00 |
| 16 | T | Acetone | 0.096 | 0.081 | 15.6 | 60 | 0.00 |
| 17 | T | Carbon Disulfide | 1.620 | 1.327 | 18.1 | 67 | 0.00 |
| 18 | T | Methyl Acetate | 0.343 | 0.351 | -2.3 | 74 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.058 | 1.083 | -2.4 | 72 | -0.01 |
| 20 | T | Methylene Chloride | 1.029 | 0.909 | 11.7 | 86 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.623 | 0.573 | 8.0 | 68 | -0.01 |
| 22 | T | Diisopropyl ether | 1.273 | 1.341 | -5.3 | 73 | 0.00 |
| 23 | T | Vinyl Acetate | 0.501 | 0.520 | -3.8 | 72 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.004 | 0.985 | 1.9 | 74 | 0.00 |
| 25 | T | 2-Butanone | 0.121 | 0.122 | -0.8 | 71 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.819 | 0.753 | 8.1 | 71 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.691 | 0.676 | 2.2 | 70 | 0.00 |
| 28 | T | Bromochloromethane | 0.335 | 0.327 | 2.4 | 74 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.070 | 0.075 | -7.1 | 74 | 0.00 |
| 30 | C | Chloroform | 1.074 | 1.052 | 2.0# | 75 | 0.00 |
| 31 | T | Cyclohexane | 0.740 | 0.644 | 13.0 | 71 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.856 | 0.791 | 7.6 | 72 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.483 | 0.476 | 1.4 | 77 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.312 | 9.8 | 74 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.467 | 0.413 | 11.6 | 73 | 0.00 |
| 37 | T | Ethyl Acetate | 0.162 | 0.160 | 1.2 | 74 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.422 | 0.358 | 15.2 | 72 | 0.00 |
| 39 | T | Methylcyclohexane | 0.537 | 0.447 | 16.8 | 71 | 0.00 |
| 40 | TM | Benzene | 1.501 | 1.365 | 9.1 | 73 | 0.00 |
| 41 | T | Methacrylonitrile | 0.089 | 0.072 | 19.1 | 57 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.355 | 0.335 | 5.6 | 76 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.302 | 0.281 | 7.0 | 74 | 0.00 |
| 44 | TM | Trichloroethene | 0.423 | 0.351 | 17.0 | 68 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.370 | 0.343 | 7.3# | 74 | 0.00 |
| 46 | T | Dibromomethane | 0.207 | 0.189 | 8.7 | 74 | 0.00 |
| 47 | T | Bromodichloromethane | 0.499 | 0.456 | 8.6 | 73 | 0.00 |
| 48 | T | Methyl methacrylate | 0.134 | 0.123 | 8.2 | 70 | 0.00 |

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

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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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.002 | 0.002 | 0.0 | 77 | 0.00 |
| 50 | S | Toluene-d8 | 1.347 | 1.213 | 9.9 | 73 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.161 | 0.157 | 2.5 | 74 | 0.00 |
| 52 | CM | Toluene | 0.937 | 0.870 | 7.2# | 73 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.449 | 0.421 | 6.2 | 72 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.548 | 0.518 | 5.5 | 73 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.298 | 0.279 | 6.4 | 75 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.299 | 0.293 | 2.0 | 72 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.467 | 0.445 | 4.7 | 75 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.143 | 0.144 | -0.7 | 76 | 0.00 |
| 59 | T | 2-Hexanone | 0.113 | 0.106 | 6.2 | 69 | 0.00 |
| 60 | T | Dibromochloromethane | 0.335 | 0.314 | 6.3 | 74 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.265 | 0.249 | 6.0 | 75 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.374 | 0.349 | 6.7 | 78 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 64 | T | Tetrachloroethene | 0.384 | 0.295 | 23.2 | 66 | 0.00 |
| 65 | PM | Chlorobenzene | 1.138 | 1.003 | 11.9 | 73 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.392 | 0.346 | 11.7 | 75 | 0.00 |
| 67 | C | Ethyl Benzene | 1.819 | 1.672 | 8.1# | 75 | 0.00 |
| 68 | T | m/p-Xylenes | 0.743 | 0.694 | 6.6 | 76 | 0.00 |
| 69 | T | o-Xylene | 0.678 | 0.637 | 6.0 | 75 | 0.00 |
| 70 | T | Styrene | 1.176 | 1.143 | 2.8 | 77 | 0.00 |
| 71 | P | Bromoform | 0.220 | 0.195 | 11.4 | 73 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 73 | T | Isopropylbenzene | 3.308 | 2.976 | 10.0 | 76 | 0.00 |
| 74 | T | N-amyl acetate | 0.589 | 0.525 | 10.9 | 73 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.711 | 0.652 | 8.3 | 81 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.438 | 0.424 | 3.2 | 95 | 0.00 |
| 77 | T | Bromobenzene | 0.887 | 0.749 | 15.6 | 72 | 0.00 |
| 78 | T | n-propylbenzene | 4.117 | 3.767 | 8.5 | 78 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.279 | 2.025 | 11.1 | 76 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.742 | 2.471 | 9.9 | 75 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.209 | 0.183 | 12.4 | 74 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.424 | 2.171 | 10.4 | 76 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.317 | 2.075 | 10.4 | 77 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.731 | 2.517 | 7.8 | 76 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.611 | 3.236 | 10.4 | 78 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.955 | 2.709 | 8.3 | 78 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.792 | 1.595 | 11.0 | 77 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.775 | 1.546 | 12.9 | 76 | 0.00 |
| 89 | T | n-Butylbenzene | 2.785 | 2.456 | 11.8 | 77 | 0.00 |
| 90 | T | Hexachloroethane | 0.608 | 0.514 | 15.5 | 78 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.573 | 1.389 | 11.7 | 78 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.092 | 0.083 | 9.8 | 77 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.915 | 0.721 | 21.2 | 65 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.467 | 0.330 | 29.3# | 63 | 0.00 |
| 95 | T | Naphthalene | 1.700 | 1.479 | 13.0 | 70 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.832 | 0.650 | 21.9 | 64 | 0.00 |

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