# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
Data File : VD079575.D
Acq On : 05 Aug 2024 12:15
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: Aug 06 02:43:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
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 | 88 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.392 | 0.364 | 7.1 | 83 | 0.00 |
| 3 | P | Chloromethane | 0.722 | 0.726 | -0.6 | 92 | 0.00 |
| 4 | C | Vinyl Chloride | 0.858 | 0.848 | 1.2# | 85 | 0.00 |
| 5 | T | Bromomethane | 0.625 | 0.530 | 15.2 | 84 | 0.00 |
| 6 | T | Chloroethane | 0.552 | 0.528 | 4.3 | 88 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.854 | 0.795 | 6.9 | 80 | 0.00 |
| 8 | T | Diethyl Ether | 0.258 | 0.279 | -8.1 | 104 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.540 | 0.496 | 8.1 | 79 | 0.00 |
| 10 | T | Methyl Iodide | 0.633 | 0.657 | -3.8 | 79 | 0.01 |
| 11 | T | Tert butyl alcohol | 0.029 | 0.028 | 3.4 | 121 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.540 | 0.523 | 3.1# | 82 | 0.00 |
| 13 | T | Acrolein | 0.045 | 0.032 | 28.9# | 87 | 0.00 |
| 14 | T | Allyl chloride | 0.713 | 0.795 | -11.5 | 97 | 0.00 |
| 15 | T | Acrylonitrile | 0.120 | 0.133 | -10.8 | 118 | 0.00 |
| 16 | T | Acetone | 0.099 | 0.119 | -20.2 | 121 | 0.00 |
| 17 | T | Carbon Disulfide | 1.783 | 1.668 | 6.4 | 79 | 0.00 |
| 18 | T | Methyl Acetate | 0.306 | 0.308 | -0.7 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.103 | 1.184 | -7.3 | 104 | 0.00 |
| 20 | T | Methylene Chloride | 1.218 | 0.706 | 42.0# | 83 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.607 | 0.595 | 2.0 | 83 | 0.00 |
| 22 | T | Diisopropyl ether | 1.587 | 1.768 | -11.4 | 98 | 0.00 |
| 23 | T | Vinyl Acetate | 1.193 | 1.385 | -16.1 | 110 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.064 | 1.094 | -2.8 | 90 | 0.00 |
| 25 | T | 2-Butanone | 0.140 | 0.157 | -12.1 | 120 | -0.01 |
| 26 | T | 2,2-Dichloropropane | 0.860 | 0.851 | 1.0 | 84 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.694 | 0.688 | 0.9 | 84 | 0.00 |
| 28 | T | Bromochloromethane | 0.466 | 0.493 | -5.8 | 109 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.087 | 0.096 | -10.3 | 120 | 0.00 |
| 30 | C | Chloroform | 1.077 | 1.083 | -0.6# | 89 | 0.00 |
| 31 | T | Cyclohexane | 0.844 | 0.810 | 4.0 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.889 | 0.851 | 4.3 | 81 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.508 | 0.482 | 5.1 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.338 | 0.277 | 18.0 | 83 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.462 | 0.423 | 8.4 | 84 | 0.00 |
| 37 | T | Ethyl Acetate | 0.189 | 0.193 | -2.1 | 117 | -0.01 |
| 38 | T | Carbon Tetrachloride | 0.486 | 0.422 | 13.2 | 80 | 0.00 |
| 39 | T | Methylcyclohexane | 0.551 | 0.497 | 9.8 | 82 | 0.00 |
| 40 | TM | Benzene | 1.467 | 1.366 | 6.9 | 88 | 0.00 |
| 41 | T | Methacrylonitrile | 0.104 | 0.108 | -3.8 | 132 | -0.02 |
| 42 | TM | 1,2-Dichloroethane | 0.350 | 0.321 | 8.3 | 96 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.356 | 0.362 | -1.7 | 117 | 0.00 |
| 44 | TM | Trichloroethene | 0.365 | 0.314 | 14.0 | 81 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.357 | 0.341 | 4.5# | 93 | 0.00 |
| 46 | T | Dibromomethane | 0.198 | 0.177 | 10.6 | 94 | 0.00 |
| 47 | T | Bromodichloromethane | 0.486 | 0.449 | 7.6 | 91 | 0.00 |
| 48 | T | Methyl methacrylate | 0.159 | 0.163 | -2.5 | 112 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.002 | 0.002 | 0.0 | 108 | -0.01 |
| 50 | S | Toluene-d8 | 1.314 | 1.108 | 15.7 | 81 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.182 | 0.186 | -2.2 | 118 | 0.00 |
| 52 | CM | Toluene | 0.907 | 0.842 | 7.2# | 85 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.449 | 0.428 | 4.7 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.540 | 0.521 | 3.5 | 94 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.261 | 0.237 | 9.2 | 96 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.309 | 0.311 | -0.6 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.443 | 0.421 | 5.0 | 99 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.142 | 0.147 | -3.5 | 111 | 0.00 |
| 59 | T | 2-Hexanone | 0.127 | 0.136 | -7.1 | 120 | 0.00 |
| 60 | T | Dibromochloromethane | 0.341 | 0.297 | 12.9 | 90 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.244 | 0.218 | 10.7 | 95 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.380 | 0.328 | 13.7 | 86 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 64 | T | Tetrachloroethene | 0.337 | 0.280 | 16.9 | 76 | 0.00 |
| 65 | PM | Chlorobenzene | 1.107 | 1.013 | 8.5 | 86 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.364 | 0.335 | 8.0 | 86 | 0.00 |
| 67 | C | Ethyl Benzene | 1.813 | 1.743 | 3.9# | 85 | 0.00 |
| 68 | T | m/p-Xylenes | 0.719 | 0.684 | 4.9 | 85 | 0.00 |
| 69 | T | o-Xylene | 0.659 | 0.631 | 4.2 | 85 | 0.00 |
| 70 | T | Styrene | 1.156 | 1.118 | 3.3 | 86 | 0.00 |
| 71 | P | Bromoform | 0.206 | 0.178 | 13.6 | 92 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 3.384 | 3.340 | 1.3 | 83 | 0.00 |
| 74 | T | N-amyl acetate | 0.735 | 0.800 | -8.8 | 115 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.650 | 0.620 | 4.6 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.437 | 0.479 | -9.6 | 132 | 0.00 |
| 77 | T | Bromobenzene | 0.838 | 0.763 | 8.9 | 84 | 0.00 |
| 78 | T | n-propylbenzene | 4.180 | 4.177 | 0.1 | 85 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.327 | 2.324 | 0.1 | 87 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.785 | 2.793 | -0.3 | 85 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.229 | 0.230 | -0.4 | 109 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.426 | 2.428 | -0.1 | 88 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.435 | 2.391 | 1.8 | 84 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.839 | 2.851 | -0.4 | 86 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.705 | 3.639 | 1.8 | 84 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.141 | 3.071 | 2.2 | 84 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.737 | 1.585 | 8.8 | 84 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.707 | 1.557 | 8.8 | 86 | 0.00 |
| 89 | T | n-Butylbenzene | 2.920 | 2.907 | 0.4 | 85 | 0.00 |
| 90 | T | Hexachloroethane | 0.648 | 0.600 | 7.4 | 83 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.484 | 1.363 | 8.2 | 86 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.086 | 0.086 | 0.0 | 107 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.935 | 0.857 | 8.3 | 89 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.505 | 0.434 | 14.1 | 78 | 0.00 |
| 95 | T | Naphthalene | 1.619 | 1.624 | -0.3 | 103 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.823 | 0.741 | 10.0 | 90 | 0.00 |

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