Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
Data File : VD078527.D
Acq On : 22 Feb 2024 19:45
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Feb 23 01:10:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 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 | 71 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.493 | 0.481 | 2.4 | 67 | 0.00 |
| 3 | P | Chloromethane | 0.905 | 0.983 | -8.6 | 80 | 0.00 |
| 4 | C | Vinyl Chloride | 1.382 | 1.507 | -9.0# | 82 | -0.01 |
| 5 | T | Bromomethane | 0.954 | 1.060 | -11.1 | 87 | -0.01 |
| 6 | T | Chloroethane | 1.007 | 1.078 | -7.1 | 84 | -0.01 |
| 7 | T | Trichlorofluoromethane | 0.932 | 0.923 | 1.0 | 74 | -0.01 |
| 8 | T | Diethyl Ether | 0.268 | 0.282 | -5.2 | 85 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.588 | 0.575 | 2.2 | 74 | 0.00 |
| 10 | T | Methyl Iodide | 0.527 | 0.552 | -4.7 | 76 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.033 | 0.033 | 0.0 | 94 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.545 | 0.526 | 3.5# | 72 | -0.02 |
| 13 | T | Acrolein | 0.050 | 0.053 | -6.0 | 97 | 0.00 |
| 14 | T | Allyl chloride | 0.673 | 0.627 | 6.8 | 71 | -0.01 |
| 15 | T | Acrylonitrile | 0.115 | 0.126 | -9.6 | 86 | 0.00 |
| 16 | T | Acetone | 0.120 | 0.101 | 15.8 | 70 | 0.00 |
| 17 | T | Carbon Disulfide | 1.834 | 1.596 | 13.0 | 67 | -0.01 |
| 18 | T | Methyl Acetate | 0.338 | 0.565 | -67.2# | 97 | -0.01 |
| 19 | T | Methyl tert-butyl Ether | 1.158 | 1.279 | -10.4 | 86 | 0.00 |
| 20 | T | Methylene Chloride | 0.695 | 0.832 | -19.7 | 97 | -0.01 |
| 21 | T | trans-1,2-Dichloroethene | 0.641 | 0.635 | 0.9 | 75 | 0.00 |
| 22 | T | Diisopropyl ether | 1.484 | 1.518 | -2.3 | 77 | 0.00 |
| 23 | T | Vinyl Acetate | 0.696 | 0.582 | 16.4 | 78 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.051 | 1.058 | -0.7 | 76 | 0.00 |
| 25 | T | 2-Butanone | 0.155 | 0.148 | 4.5 | 81 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.881 | 0.850 | 3.5 | 71 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.704 | 0.725 | -3.0 | 79 | 0.00 |
| 28 | T | Bromochloromethane | 0.416 | 0.468 | -12.5 | 80 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.080 | 0.092 | -15.0 | 90 | 0.00 |
| 30 | C | Chloroform | 1.112 | 1.160 | -4.3# | 79 | 0.00 |
| 31 | T | Cyclohexane | 0.915 | 0.778 | 15.0 | 64 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.948 | 0.951 | -0.3 | 76 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.541 | 0.491 | 9.2 | 72 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.318 | 0.317 | 0.3 | 76 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.493 | 0.492 | 0.2 | 75 | 0.00 |
| 37 | T | Ethyl Acetate | 0.173 | 0.192 | -11.0 | 93 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.489 | 0.477 | 2.5 | 72 | 0.00 |
| 39 | T | Methylcyclohexane | 0.586 | 0.544 | 7.2 | 66 | 0.00 |
| 40 | TM | Benzene | 1.426 | 1.488 | -4.3 | 78 | 0.00 |
| 41 | T | Methacrylonitrile | 0.090 | 0.100 | -11.1 | 84 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.369 | 0.383 | -3.8 | 83 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.320 | 0.350 | -9.4 | 84 | 0.00 |
| 44 | TM | Trichloroethene | 0.364 | 0.385 | -5.8 | 80 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.365 | -4.3# | 80 | 0.00 |
| 46 | T | Dibromomethane | 0.197 | 0.222 | -12.7 | 88 | 0.00 |
| 47 | T | Bromodichloromethane | 0.487 | 0.520 | -6.8 | 80 | 0.00 |
| 48 | T | Methyl methacrylate | 0.170 | 0.202 | -18.8 | 83 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Feb 23 01:10:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.002 | 0.003 | -50.0# | 102 | 0.00 |
| 50 | S | Toluene-d8 | 1.271 | 1.184 | 6.8 | 72 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.170 | 0.193 | -13.5 | 89 | 0.00 |
| 52 | CM | Toluene | 0.902 | 0.951 | -5.4# | 78 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.445 | 0.484 | -8.8 | 82 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.539 | 0.573 | -6.3 | 81 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.265 | 0.304 | -14.7 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.245 | 0.256 | -4.5 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.451 | 0.508 | -12.6 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.144 | 0.199 | -38.2# | 95 | 0.00 |
| 59 | T | 2-Hexanone | 0.128 | 0.138 | -7.8 | 87 | 0.00 |
| 60 | T | Dibromochloromethane | 0.319 | 0.372 | -16.6 | 90 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.249 | 0.295 | -18.5 | 90 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.370 | 0.352 | 4.9 | 75 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 73 | 0.00 |
| 64 | T | Tetrachloroethene | 0.316 | 0.334 | -5.7 | 82 | 0.00 |
| 65 | PM | Chlorobenzene | 1.005 | 1.064 | -5.9 | 83 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.369 | 0.401 | -8.7 | 86 | 0.00 |
| 67 | C | Ethyl Benzene | 1.801 | 1.862 | -3.4# | 78 | 0.00 |
| 68 | T | m/p-Xylenes | 0.703 | 0.742 | -5.5 | 78 | 0.00 |
| 69 | T | o-Xylene | 0.641 | 0.676 | -5.5 | 79 | 0.00 |
| 70 | T | Styrene | 1.046 | 1.055 | -0.9 | 81 | 0.00 |
| 71 | P | Bromoform | 0.194 | 0.228 | -17.5 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 73 | T | Isopropylbenzene | 3.357 | 3.367 | -0.3 | 79 | 0.00 |
| 74 | T | N-amyl acetate | 0.635 | 0.613 | 3.5 | 86 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.666 | 0.697 | -4.7 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.424 | 0.445 | -5.0 | 102 | 0.00 |
| 77 | T | Bromobenzene | 0.789 | 0.847 | -7.4 | 88 | 0.00 |
| 78 | T | n-propylbenzene | 4.184 | 4.041 | 3.4 | 76 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.241 | 2.210 | 1.4 | 80 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.788 | 2.787 | 0.0 | 79 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.204 | 0.212 | -3.9 | 89 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.407 | 2.358 | 2.0 | 80 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.351 | 2.425 | -3.1 | 80 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.829 | 2.888 | -2.1 | 79 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.646 | 3.554 | 2.5 | 78 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.106 | 3.180 | -2.4 | 78 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.684 | 1.714 | -1.8 | 83 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.655 | 1.710 | -3.3 | 85 | 0.00 |
| 89 | T | n-Butylbenzene | 2.994 | 2.966 | 0.9 | 76 | 0.00 |
| 90 | T | Hexachloroethane | 0.638 | 0.623 | 2.4 | 81 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.414 | 1.508 | -6.6 | 88 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.087 | 0.094 | -8.0 | 93 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.831 | 0.893 | -7.5 | 86 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.434 | 0.446 | -2.8 | 81 | 0.00 |
| 95 | T | Naphthalene | 1.542 | 1.815 | -17.7 | 98 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.704 | 0.809 | -14.9 | 92 | 0.00 |

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