Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012524\
Data File : VD078237.D
Acq On : 25 Jan 2024 09:35
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 26 05:53:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 23 05:43:07 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.149 | 3.7 | 91 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.838 | -5.7 | 95 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.981 | 2.0# | 95 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 41.843 | 16.3 | 88 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.112 | 3.8 | 91 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 48.133 | 3.7 | 97 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.915 | -1.8 | 100 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.172 | -0.3 | 98 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.345 | 1.3 | 85 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 258.859 | -3.5 | 98 | 0.02 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.383 | 1.2# | 100 | 0.00 |
| 13 | T | Acrolein | 250.000 | 192.593 | 23.0 | 68 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 51.272 | -2.5 | 98 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 246.738 | 1.3 | 93 | 0.00 |
| 16 | T | Acetone | 250.000 | 290.561 | -16.2 | 113 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.044 | 5.9 | 91 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 53.342 | -6.7 | 96 | -0.01 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 50.559 | -1.1 | 95 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.700 | -3.4 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.232 | 1.5 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 55.237 | -10.5 | 102 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 256.292 | -2.5 | 94 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.140 | -2.3 | 97 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 257.287 | -2.9 | 102 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.309 | -2.6 | 98 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.794 | -5.6 | 100 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.316 | -4.6 | 97 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 255.960 | -2.4 | 94 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.890 | -5.8# | 100 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.724 | 2.6 | 95 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.429 | -4.9 | 99 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.184 | 7.6 | 84 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 47.904 | 4.2 | 87 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.572 | -1.1 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.448 | 3.1 | 96 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.116 | -0.2 | 96 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 52.176 | -4.4 | 96 | 0.00 |
| 40 | TM | Benzene | 50.000 | 53.576 | -7.2 | 101 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.209 | -8.4 | 98 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.611 | -1.2 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.347 | -0.7 | 95 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.426 | -2.9 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 54.269 | -8.5# | 102 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.168 | -2.3 | 100 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.343 | -4.7 | 99 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.260 | 1.5 | 92 | 0.00 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1040.933 | -4.1 | 105 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.329 | 5.3 | 85 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 251.619 | -0.6 | 93 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.270 | -6.5# | 100 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 51.777 | -3.6 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.536 | -3.1 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.264 | -2.5 | 97 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.205 | -4.4 | 94 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.248 | -2.5 | 96 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 245.666 | 1.7 | 87 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 245.291 | 1.9 | 100 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.701 | -1.4 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.334 | -2.7 | 94 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.100 | 3.8 | 86 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.544 | -1.1 | 97 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.355 | -4.7 | 98 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.921 | -1.8 | 94 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.359 | -8.7# | 100 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 107.476 | -7.5 | 99 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.865 | -7.7 | 97 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.854 | -11.7 | 101 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.186 | -2.4 | 98 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.611 | -9.2 | 100 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.934 | -1.9 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.954 | -1.9 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.348 | -2.7 | 94 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.950 | -5.9 | 97 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 54.661 | -9.3 | 100 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 53.827 | -7.7 | 100 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 54.600 | -9.2 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 55.268 | -10.5 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 53.823 | -7.6 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 55.514 | -11.0 | 101 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 54.842 | -9.7 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 54.896 | -9.8 | 101 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.379 | -10.8 | 101 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.347 | -4.7 | 97 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.804 | -3.6 | 98 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 55.131 | -10.3 | 100 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.727 | -7.5 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.113 | -6.2 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.711 | 4.6 | 92 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.592 | -3.2 | 96 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 54.604 | -9.2 | 100 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 53.057 | -6.1 | 95 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.643 | -5.3 | 96 | 0.00 |

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