Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
Data File : VD075714.D
Acq On : 17 Apr 2023 21:32
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 18 01:20:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 14:16:29 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 | 84 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.465 | 0.464 | 0.2 | 87 | 0.00 |
| 3 | P | Chloromethane | 0.839 | 0.804 | 4.2 | 84 | 0.00 |
| 4 | C | Vinyl Chloride | 1.113 | 1.044 | 6.2# | 82 | 0.00 |
| 5 | T | Bromomethane | 0.869 | 0.766 | 11.9 | 78 | 0.00 |
| 6 | T | Chloroethane | 0.749 | 0.708 | 5.5 | 82 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.863 | 0.861 | 0.2 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 0.268 | 0.273 | -1.9 | 90 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.541 | 0.563 | -4.1 | 90 | 0.00 |
| 10 | T | Methyl Iodide | 0.740 | 0.761 | -2.8 | 84 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.024 | 0.023 | 4.2 | 86 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.557 | 0.5# | 85 | 0.00 |
| 13 | T | Acrolein | 0.048 | 0.035 | 27.1# | 64 | 0.00 |
| 14 | T | Allyl chloride | 0.510 | 0.496 | 2.7 | 81 | 0.00 |
| 15 | T | Acrylonitrile | 0.100 | 0.110 | -10.0 | 93 | 0.00 |
| 16 | T | Acetone | 0.087 | 0.079 | 9.2 | 72 | 0.00 |
| 17 | T | Carbon Disulfide | 1.833 | 1.723 | 6.0 | 82 | 0.00 |
| 18 | T | Methyl Acetate | 0.293 | 0.375 | -28.0# | 110 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.087 | 1.141 | -5.0 | 87 | 0.00 |
| 20 | T | Methylene Chloride | 0.800 | 0.937 | -17.1 | 117 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.667 | 0.682 | -2.2 | 87 | 0.00 |
| 22 | T | Diisopropyl ether | 1.153 | 1.238 | -7.4 | 88 | 0.00 |
| 23 | T | Vinyl Acetate | 0.535 | 0.551 | -3.0 | 81 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.955 | 0.974 | -2.0 | 88 | 0.00 |
| 25 | T | 2-Butanone | 0.112 | 0.112 | 0.0 | 82 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.866 | 0.792 | 8.5 | 80 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.739 | 0.753 | -1.9 | 86 | 0.00 |
| 28 | T | Bromochloromethane | 0.302 | 0.312 | -3.3 | 91 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.061 | 0.068 | -11.5 | 90 | 0.00 |
| 30 | C | Chloroform | 1.083 | 1.090 | -0.6# | 87 | 0.00 |
| 31 | T | Cyclohexane | 0.745 | 0.742 | 0.4 | 87 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.883 | 0.887 | -0.5 | 84 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.475 | 0.467 | 1.7 | 86 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.336 | 0.335 | 0.3 | 87 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.464 | 0.463 | 0.2 | 84 | 0.00 |
| 37 | T | Ethyl Acetate | 0.141 | 0.135 | 4.3 | 84 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.409 | 0.417 | -2.0 | 86 | 0.00 |
| 39 | T | Methylcyclohexane | 0.536 | 0.580 | -8.2 | 88 | 0.00 |
| 40 | TM | Benzene | 1.442 | 1.455 | -0.9 | 86 | 0.00 |
| 41 | T | Methacrylonitrile | 0.068 | 0.067 | 1.5 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.328 | 0.339 | -3.4 | 87 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.257 | 0.266 | -3.5 | 86 | 0.00 |
| 44 | TM | Trichloroethene | 0.408 | 0.400 | 2.0 | 83 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.323 | 0.332 | -2.8# | 88 | 0.00 |
| 46 | T | Dibromomethane | 0.205 | 0.210 | -2.4 | 87 | 0.00 |
| 47 | T | Bromodichloromethane | 0.469 | 0.479 | -2.1 | 87 | 0.00 |
| 48 | T | Methyl methacrylate | 0.115 | 0.119 | -3.5 | 83 | 0.00 |

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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 | 89 | 0.00 |
| 50 | S | Toluene-d8 | 1.347 | 1.364 | -1.3 | 78 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.137 | 0.146 | -6.6 | 81 | 0.00 |
| 52 | CM | Toluene | 0.959 | 0.945 | 1.5# | 75 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.450 | 0.442 | 1.8 | 77 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.534 | 0.529 | 0.9 | 76 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.297 | 0.295 | 0.7 | 80 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.292 | 0.307 | -5.1 | 78 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.451 | 0.453 | -0.4 | 82 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.125 | 0.138 | -10.4 | 83 | 0.00 |
| 59 | T | 2-Hexanone | 0.097 | 0.101 | -4.1 | 78 | 0.00 |
| 60 | T | Dibromochloromethane | 0.347 | 0.338 | 2.6 | 78 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.283 | 0.276 | 2.5 | 78 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.358 | 0.426 | -19.0 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 64 | T | Tetrachloroethene | 0.360 | 0.351 | 2.5 | 73 | 0.00 |
| 65 | PM | Chlorobenzene | 1.071 | 1.083 | -1.1 | 87 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.368 | 0.369 | -0.3 | 86 | 0.00 |
| 67 | C | Ethyl Benzene | 1.738 | 1.831 | -5.4# | 84 | 0.00 |
| 68 | T | m/p-Xylenes | 0.712 | 0.769 | -8.0 | 87 | 0.00 |
| 69 | T | o-Xylene | 0.644 | 0.756 | -17.4 | 92 | 0.00 |
| 70 | T | Styrene | 1.097 | 1.301 | -18.6 | 91 | 0.00 |
| 71 | P | Bromoform | 0.192 | 0.242 | -26.0# | 103 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 3.281 | 3.262 | 0.6 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 0.482 | 0.475 | 1.5 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.637 | 0.635 | 0.3 | 99 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.408 | 0.372 | 8.8 | 102 | 0.00 |
| 77 | T | Bromobenzene | 0.846 | 0.877 | -3.7 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 4.022 | 3.943 | 2.0 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.281 | 2.164 | 5.1 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.736 | 2.778 | -1.5 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.188 | 0.181 | 3.7 | 89 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.372 | 2.251 | 5.1 | 93 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.307 | 2.425 | -5.1 | 98 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.745 | 2.845 | -3.6 | 96 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.558 | 3.548 | 0.3 | 92 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.962 | 2.923 | 1.3 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.760 | 1.716 | 2.5 | 95 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.739 | 1.712 | 1.6 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 2.729 | 2.743 | -0.5 | 94 | 0.00 |
| 90 | T | Hexachloroethane | 0.589 | 0.515 | 12.6 | 88 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.508 | 1.561 | -3.5 | 102 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.085 | 0.080 | 5.9 | 96 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.877 | 0.735 | 16.2 | 85 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.419 | 0.338 | 19.3 | 85 | 0.00 |
| 95 | T | Naphthalene | 1.662 | 1.511 | 9.1 | 89 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.772 | 0.660 | 14.5 | 89 | 0.00 |

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