Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080323\
Data File : VX036785.D
Acq On : 03 Aug 2023 09:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Aug 04 07:30:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 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 | 77 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.661 | 0.594 | 10.1 | 72 | 0.00 |
| 3 | P | Chloromethane | 0.601 | 0.519 | 13.6 | 69 | 0.00 |
| 4 | C | Vinyl Chloride | 0.612 | 0.572 | 6.5# | 72 | 0.00 |
| 5 | T | Bromomethane | 0.365 | 0.427 | -17.0 | 93 | -0.02 |
| 6 | T | Chloroethane | 0.297 | 0.369 | -24.2 | 91 | -0.01 |
| 7 | T | Trichlorofluoromethane | 0.945 | 1.028 | -8.8 | 84 | 0.00 |
| 8 | T | Diethyl Ether | 0.365 | 0.385 | -5.5 | 86 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.567 | 0.594 | -4.8 | 81 | 0.00 |
| 10 | T | Methyl Iodide | 0.589 | 0.625 | -6.1 | 77 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.175 | 0.176 | -0.6 | 78 | -0.03 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.542 | 3.2# | 76 | 0.00 |
| 13 | T | Acrolein | 0.100 | 0.132 | -32.0# | 105 | 0.00 |
| 14 | T | Allyl chloride | 1.102 | 0.990 | 10.2 | 70 | 0.00 |
| 15 | T | Acrylonitrile | 0.352 | 0.361 | -2.6 | 78 | 0.00 |
| 16 | T | Acetone | 0.307 | 0.361 | -17.6 | 93 | -0.01 |
| 17 | T | Carbon Disulfide | 1.545 | 1.259 | 18.5 | 64 | 0.00 |
| 18 | T | Methyl Acetate | 1.291 | 1.298 | -0.5 | 76 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.104 | 2.252 | -7.0 | 82 | 0.00 |
| 20 | T | Methylene Chloride | 0.683 | 0.658 | 3.7 | 78 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.626 | 0.597 | 4.6 | 75 | 0.00 |
| 22 | T | Diisopropyl ether | 2.093 | 2.052 | 2.0 | 76 | 0.00 |
| 23 | T | Vinyl Acetate | 1.606 | 1.582 | 1.5 | 74 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.174 | 1.177 | -0.3 | 77 | 0.00 |
| 25 | T | 2-Butanone | 0.498 | 0.518 | -4.0 | 79 | -0.01 |
| 26 | T | 2,2-Dichloropropane | 1.106 | 1.118 | -1.1 | 79 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.743 | 0.753 | -1.3 | 80 | 0.00 |
| 28 | T | Bromochloromethane | 0.568 | 0.560 | 1.4 | 75 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.321 | 0.313 | 2.5 | 74 | 0.00 |
| 30 | C | Chloroform | 1.201 | 1.278 | -6.4# | 83 | 0.00 |
| 31 | T | Cyclohexane | 1.024 | 0.926 | 9.6 | 70 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.100 | 1.132 | -2.9 | 80 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.740 | 0.707 | 4.5 | 75 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.344 | 0.351 | -2.0 | 77 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.512 | 0.518 | -1.2 | 76 | 0.00 |
| 37 | T | Ethyl Acetate | 0.580 | 0.582 | -0.3 | 74 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.545 | 0.590 | -8.3 | 81 | 0.00 |
| 39 | T | Methylcyclohexane | 0.637 | 0.635 | 0.3 | 74 | 0.00 |
| 40 | TM | Benzene | 1.490 | 1.530 | -2.7 | 76 | 0.00 |
| 41 | T | Methacrylonitrile | 0.310 | 0.317 | -2.3 | 74 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.545 | 0.604 | -10.8 | 81 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.998 | 1.014 | -1.6 | 76 | 0.00 |
| 44 | TM | Trichloroethene | 0.390 | 0.418 | -7.2 | 80 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.398 | 0.412 | -3.5# | 77 | 0.00 |
| 46 | T | Dibromomethane | 0.278 | 0.307 | -10.4 | 82 | 0.00 |
| 47 | T | Bromodichloromethane | 0.572 | 0.626 | -9.4 | 81 | 0.00 |
| 48 | T | Methyl methacrylate | 0.464 | 0.477 | -2.8 | 75 | 0.00 |

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MSVOA_X
**LabSampleId :**
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.009 | 0.010 | -11.1 | 79 | -0.04 |
| 50 | S | Toluene-d8 | 1.219 | 1.200 | 1.6 | 73 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.552 | 0.584 | -5.8 | 76 | 0.00 |
| 52 | CM | Toluene | 0.934 | 0.998 | -6.9# | 78 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.646 | 0.701 | -8.5 | 78 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.682 | 0.725 | -6.3 | 78 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.393 | 0.439 | -11.7 | 83 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.639 | 0.699 | -9.4 | 78 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.654 | 0.731 | -11.8 | 81 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.315 | 0.367 | -16.5 | 85 | 0.00 |
| 59 | T | 2-Hexanone | 0.410 | 0.441 | -7.6 | 77 | 0.00 |
| 60 | T | Dibromochloromethane | 0.431 | 0.492 | -14.2 | 82 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.407 | 0.463 | -13.8 | 83 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.460 | 0.478 | -3.9 | 74 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 64 | T | Tetrachloroethene | 0.373 | 0.396 | -6.2 | 80 | 0.00 |
| 65 | PM | Chlorobenzene | 1.102 | 1.182 | -7.3 | 80 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.426 | 0.474 | -11.3 | 84 | 0.00 |
| 67 | C | Ethyl Benzene | 2.013 | 2.119 | -5.3# | 79 | 0.00 |
| 68 | T | m/p-Xylenes | 0.751 | 0.810 | -7.9 | 80 | 0.00 |
| 69 | T | o-Xylene | 0.750 | 0.800 | -6.7 | 79 | 0.00 |
| 70 | T | Styrene | 1.237 | 1.344 | -8.6 | 80 | 0.00 |
| 71 | P | Bromoform | 0.345 | 0.388 | -12.5 | 81 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 73 | T | Isopropylbenzene | 4.138 | 4.147 | -0.2 | 80 | 0.00 |
| 74 | T | N-amyl acetate | 1.930 | 1.790 | 7.3 | 73 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.398 | 1.403 | -0.4 | 81 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.176 | 1.200 | -2.0 | 80 | 0.00 |
| 77 | T | Bromobenzene | 0.942 | 0.977 | -3.7 | 81 | 0.00 |
| 78 | T | n-propylbenzene | 4.786 | 4.832 | -1.0 | 79 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.900 | 2.901 | -0.0 | 80 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.462 | 3.548 | -2.5 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.519 | 0.489 | 5.8 | 72 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.304 | 3.360 | -1.7 | 81 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.401 | 3.501 | -2.9 | 82 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.462 | 3.557 | -2.7 | 81 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.241 | 4.427 | -4.4 | 81 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.490 | 3.723 | -6.7 | 82 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.745 | 1.841 | -5.5 | 82 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.732 | 1.853 | -7.0 | 83 | 0.00 |
| 89 | T | n-Butylbenzene | 3.124 | 3.334 | -6.7 | 82 | 0.00 |
| 90 | T | Hexachloroethane | 0.707 | 0.683 | 3.4 | 76 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.684 | 1.806 | -7.2 | 84 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.325 | 0.331 | -1.8 | 83 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.038 | 1.139 | -9.7 | 85 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.429 | 0.464 | -8.2 | 87 | 0.00 |
| 95 | T | Naphthalene | 3.616 | 3.942 | -9.0 | 85 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.023 | 1.114 | -8.9 | 85 | 0.00 |

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