Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062123\
Data File : VX036257.D
Acq On : 21 Jun 2023 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 22 04:59:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 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 | 88 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.614 | 0.510 | 16.9 | 73 | 0.00 |
| 3 | P | Chloromethane | 0.649 | 0.523 | 19.4 | 71 | 0.00 |
| 4 | C | Vinyl Chloride | 0.619 | 0.519 | 16.2# | 73 | 0.00 |
| 5 | T | Bromomethane | 0.380 | 0.370 | 2.6 | 85 | 0.00 |
| 6 | T | Chloroethane | 0.400 | 0.424 | -6.0 | 88 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.001 | 0.908 | 9.3 | 78 | 0.00 |
| 8 | T | Diethyl Ether | 0.373 | 0.344 | 7.8 | 79 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.571 | 0.610 | -6.8 | 93 | 0.00 |
| 10 | T | Methyl Iodide | 0.589 | 0.664 | -12.7 | 90 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.140 | 0.135 | 3.6 | 78 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.540 | 0.567 | -5.0# | 91 | 0.00 |
| 13 | T | Acrolein | 0.155 | 0.151 | 2.6 | 86 | 0.00 |
| 14 | T | Allyl chloride | 1.092 | 1.121 | -2.7 | 84 | 0.00 |
| 15 | T | Acrylonitrile | 0.357 | 0.355 | 0.6 | 84 | 0.00 |
| 16 | T | Acetone | 0.380 | 0.398 | -4.7 | 94 | -0.01 |
| 17 | T | Carbon Disulfide | 1.334 | 1.410 | -5.7 | 88 | 0.00 |
| 18 | T | Methyl Acetate | 1.440 | 1.398 | 2.9 | 81 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.113 | 2.086 | 1.3 | 82 | 0.00 |
| 20 | T | Methylene Chloride | 0.688 | 0.672 | 2.3 | 88 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.600 | 0.615 | -2.5 | 89 | 0.00 |
| 22 | T | Diisopropyl ether | 2.174 | 2.261 | -4.0 | 86 | 0.00 |
| 23 | T | Vinyl Acetate | 1.541 | 1.611 | -4.5 | 83 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.201 | 1.227 | -2.2 | 86 | 0.00 |
| 25 | T | 2-Butanone | 0.531 | 0.534 | -0.6 | 85 | -0.01 |
| 26 | T | 2,2-Dichloropropane | 0.934 | 0.974 | -4.3 | 86 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.686 | 0.706 | -2.9 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 0.626 | 0.657 | -5.0 | 87 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.338 | 0.324 | 4.1 | 80 | -0.01 |
| 30 | C | Chloroform | 1.265 | 1.226 | 3.1# | 82 | 0.00 |
| 31 | T | Cyclohexane | 0.980 | 1.055 | -7.7 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.072 | 1.044 | 2.6 | 80 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.914 | 0.837 | 8.4 | 76 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.339 | 0.356 | -5.0 | 81 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.499 | 0.535 | -7.2 | 85 | 0.00 |
| 37 | T | Ethyl Acetate | 0.582 | 0.564 | 3.1 | 77 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.486 | 0.510 | -4.9 | 81 | 0.00 |
| 39 | T | Methylcyclohexane | 0.538 | 0.632 | -17.5 | 93 | 0.00 |
| 40 | TM | Benzene | 1.405 | 1.501 | -6.8 | 83 | 0.00 |
| 41 | T | Methacrylonitrile | 0.321 | 0.327 | -1.9 | 77 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.633 | 0.622 | 1.7 | 76 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.891 | 0.947 | -6.3 | 79 | 0.00 |
| 44 | TM | Trichloroethene | 0.351 | 0.374 | -6.6 | 84 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.373 | 0.401 | -7.5# | 83 | 0.00 |
| 46 | T | Dibromomethane | 0.266 | 0.277 | -4.1 | 80 | 0.00 |
| 47 | T | Bromodichloromethane | 0.511 | 0.529 | -3.5 | 78 | 0.00 |
| 48 | T | Methyl methacrylate | 0.457 | 0.468 | -2.4 | 77 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 22 04:59:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.009 | -12.5 | 81 | -0.02 |
| 50 | S | Toluene-d8 | 1.240 | 1.264 | -1.9 | 79 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.562 | 0.573 | -2.0 | 76 | 0.00 |
| 52 | CM | Toluene | 0.879 | 0.920 | -4.7# | 80 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.526 | 0.565 | -7.4 | 77 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.564 | 0.623 | -10.5 | 80 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.363 | 0.361 | 0.6 | 76 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.548 | 0.582 | -6.2 | 77 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.646 | 0.651 | -0.8 | 77 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.302 | 0.316 | -4.6 | 78 | 0.00 |
| 59 | T | 2-Hexanone | 0.418 | 0.444 | -6.2 | 77 | 0.00 |
| 60 | T | Dibromochloromethane | 0.354 | 0.361 | -2.0 | 75 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.379 | 0.385 | -1.6 | 76 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.501 | 0.485 | 3.2 | 73 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 64 | T | Tetrachloroethene | 0.311 | 0.346 | -11.3 | 83 | 0.00 |
| 65 | PM | Chlorobenzene | 1.036 | 1.078 | -4.1 | 78 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.358 | 0.387 | -8.1 | 76 | 0.00 |
| 67 | C | Ethyl Benzene | 1.850 | 2.004 | -8.3# | 78 | 0.00 |
| 68 | T | m/p-Xylenes | 0.698 | 0.754 | -8.0 | 78 | 0.00 |
| 69 | T | o-Xylene | 0.689 | 0.737 | -7.0 | 77 | 0.00 |
| 70 | T | Styrene | 1.148 | 1.227 | -6.9 | 75 | 0.00 |
| 71 | P | Bromoform | 0.246 | 0.266 | -8.1 | 74 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 73 | T | Isopropylbenzene | 3.710 | 3.979 | -7.3 | 79 | 0.00 |
| 74 | T | N-amyl acetate | 1.677 | 1.860 | -10.9 | 78 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.270 | 1.324 | -4.3 | 77 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.187 | 1.144 | 3.6 | 68 | 0.00 |
| 77 | T | Bromobenzene | 0.869 | 0.907 | -4.4 | 79 | 0.00 |
| 78 | T | n-propylbenzene | 4.365 | 4.895 | -12.1 | 82 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.745 | 2.828 | -3.0 | 77 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.159 | 3.375 | -6.8 | 78 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.339 | 0.374 | -10.3 | 78 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.199 | 3.322 | -3.8 | 77 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.003 | 3.236 | -7.8 | 79 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.151 | 3.401 | -7.9 | 77 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.740 | 4.227 | -13.0 | 83 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.146 | 3.538 | -12.5 | 81 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.658 | 1.759 | -6.1 | 80 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.698 | 1.756 | -3.4 | 79 | 0.00 |
| 89 | T | n-Butylbenzene | 2.808 | 3.338 | -18.9 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 0.494 | 0.567 | -14.8 | 83 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.627 | 1.685 | -3.6 | 76 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.280 | 0.268 | 4.3 | 67 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.922 | 1.016 | -10.2 | 84 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.365 | 0.402 | -10.1 | 89 | 0.00 |
| 95 | T | Naphthalene | 3.181 | 3.480 | -9.4 | 79 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.925 | 1.007 | -8.9 | 83 | 0.00 |

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