Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050624\
Data File : VX041366.D
Acq On : 06 May 2024 09:57
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 06 16:48:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 01 02:38:17 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 | 76 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.411 | 0.440 | -7.1 | 70 | 0.00 |
| 3 | P | Chloromethane | 0.425 | 0.388 | 8.7 | 69 | 0.00 |
| 4 | C | Vinyl Chloride | 0.405 | 0.386 | 4.7# | 71 | 0.00 |
| 5 | T | Bromomethane | 0.254 | 0.263 | -3.5 | 76 | 0.00 |
| 6 | T | Chloroethane | 0.188 | 0.202 | -7.4 | 81 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.699 | 0.726 | -3.9 | 82 | 0.00 |
| 8 | T | Diethyl Ether | 0.246 | 0.274 | -11.4 | 88 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.393 | 0.418 | -6.4 | 76 | 0.00 |
| 10 | T | Methyl Iodide | 0.423 | 0.367 | 13.2 | 60 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.109 | 0.123 | -12.8 | 85 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.387 | 0.391 | -1.0# | 73 | 0.00 |
| 13 | T | Acrolein | 0.086 | 0.108 | -25.6# | 98 | 0.00 |
| 14 | T | Allyl chloride | 0.651 | 0.705 | -8.3 | 76 | 0.00 |
| 15 | T | Acrylonitrile | 0.249 | 0.285 | -14.5 | 88 | 0.00 |
| 16 | T | Acetone | 0.284 | 0.286 | -0.7 | 94 | 0.00 |
| 17 | T | Carbon Disulfide | 0.911 | 0.887 | 2.6 | 69 | 0.00 |
| 18 | T | Methyl Acetate | 0.557 | 0.630 | -13.1 | 89 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.412 | 1.462 | -3.5 | 80 | 0.00 |
| 20 | T | Methylene Chloride | 0.473 | 0.449 | 5.1 | 76 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.433 | 0.404 | 6.7 | 72 | 0.00 |
| 22 | T | Diisopropyl ether | 1.380 | 1.384 | -0.3 | 77 | 0.00 |
| 23 | T | Vinyl Acetate | 1.234 | 1.368 | -10.9 | 81 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.779 | 0.762 | 2.2 | 75 | 0.00 |
| 25 | T | 2-Butanone | 0.352 | 0.421 | -19.6 | 90 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.652 | 0.658 | -0.9 | 76 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.513 | 0.509 | 0.8 | 74 | 0.00 |
| 28 | T | Bromochloromethane | 0.278 | 0.257 | 7.6 | 75 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.230 | 0.262 | -13.9 | 88 | 0.00 |
| 30 | C | Chloroform | 0.811 | 0.823 | -1.5# | 78 | 0.00 |
| 31 | T | Cyclohexane | 0.657 | 0.636 | 3.2 | 73 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.738 | 0.731 | 0.9 | 75 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.544 | 0.621 | -14.2 | 89 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.339 | 0.355 | -4.7 | 84 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.405 | 0.378 | 6.7 | 74 | 0.00 |
| 37 | T | Ethyl Acetate | 0.506 | 0.557 | -10.1 | 86 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.464 | 0.470 | -1.3 | 78 | 0.00 |
| 39 | T | Methylcyclohexane | 0.476 | 0.505 | -6.1 | 90 | 0.00 |
| 40 | TM | Benzene | 1.249 | 1.183 | 5.3 | 76 | 0.00 |
| 41 | T | Methacrylonitrile | 0.260 | 0.291 | -11.9 | 83 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.458 | 0.472 | -3.1 | 81 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.760 | 0.838 | -10.3 | 86 | -0.01 |
| 44 | TM | Trichloroethene | 0.330 | 0.338 | -2.4 | 91 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.279 | 0.292 | -4.7# | 88 | 0.00 |
| 46 | T | Dibromomethane | 0.222 | 0.238 | -7.2 | 86 | 0.00 |
| 47 | T | Bromodichloromethane | 0.396 | 0.453 | -14.4 | 85 | 0.00 |
| 48 | T | Methyl methacrylate | 0.348 | 0.412 | -18.4 | 90 | 0.00 |

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

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Quant Title : SW846 8260
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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 | 98 | 0.00 |
| 50 | S | Toluene-d8 | 1.072 | 1.205 | -12.4 | 91 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.456 | 0.572 | -25.4# | 96 | 0.00 |
| 52 | CM | Toluene | 0.764 | 0.771 | -0.9# | 82 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.392 | 0.461 | -17.6 | 88 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.435 | 0.490 | -12.6 | 84 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.294 | 0.334 | -13.6 | 91 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.455 | 0.548 | -20.4 | 90 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.491 | 0.542 | -10.4 | 92 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.221 | 0.250 | -13.1 | 85 | 0.00 |
| 59 | T | 2-Hexanone | 0.365 | 0.473 | -29.6# | 102 | 0.00 |
| 60 | T | Dibromochloromethane | 0.346 | 0.415 | -19.9 | 89 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.324 | 0.367 | -13.3 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.415 | 0.516 | -24.3 | 96 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 0.362 | 0.329 | 9.1 | 87 | 0.00 |
| 65 | PM | Chlorobenzene | 1.015 | 0.997 | 1.8 | 96 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.359 | 0.373 | -3.9 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 1.675 | 1.633 | 2.5# | 91 | 0.00 |
| 68 | T | m/p-Xylenes | 0.671 | 0.652 | 2.8 | 90 | 0.00 |
| 69 | T | o-Xylene | 0.642 | 0.649 | -1.1 | 87 | 0.00 |
| 70 | T | Styrene | 1.054 | 1.083 | -2.8 | 86 | 0.00 |
| 71 | P | Bromoform | 0.321 | 0.371 | -15.6 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 73 | T | Isopropylbenzene | 3.052 | 2.987 | 2.1 | 95 | 0.00 |
| 74 | T | N-amyl acetate | 1.333 | 1.455 | -9.2 | 94 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.000 | 1.073 | -7.3 | 101 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.815 | 0.909 | -11.5 | 110 | 0.00 |
| 77 | T | Bromobenzene | 0.861 | 0.863 | -0.2 | 93 | 0.00 |
| 78 | T | n-propylbenzene | 3.206 | 3.254 | -1.5 | 98 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.066 | 1.911 | 7.5 | 92 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.488 | 2.271 | 8.7 | 83 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.299 | 0.349 | -16.7 | 102 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.345 | 2.129 | 9.2 | 83 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.664 | 2.712 | -1.8 | 94 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.503 | 2.532 | -1.2 | 95 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.053 | 3.160 | -3.5 | 93 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.742 | 2.836 | -3.4 | 94 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.566 | 1.557 | 0.6 | 92 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.613 | 1.571 | 2.6 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 2.205 | 2.290 | -3.9 | 94 | 0.00 |
| 90 | T | Hexachloroethane | 0.459 | 0.487 | -6.1 | 94 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.654 | 1.593 | 3.7 | 93 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.231 | 0.252 | -9.1 | 96 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.156 | 1.081 | 6.5 | 83 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.577 | 0.523 | 9.4 | 85 | 0.00 |
| 95 | T | Naphthalene | 3.426 | 3.388 | 1.1 | 87 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.181 | 1.106 | 6.4 | 91 | 0.00 |

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