Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070224\
Data File : VX042153.D
Acq On : 02 Jul 2024 20:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Jul 03 03:40:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 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 | 79 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.381 | 0.509 | -33.6# | 108 | 0.00 |
| 3 | P | Chloromethane | 0.478 | 0.533 | -11.5 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 0.479 | 0.538 | -12.3# | 91 | 0.00 |
| 5 | T | Bromomethane | 0.237 | 0.297 | -25.3# | 101 | 0.00 |
| 6 | T | Chloroethane | 0.241 | 0.261 | -8.3 | 99 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.628 | 0.698 | -11.1 | 93 | 0.00 |
| 8 | T | Diethyl Ether | 0.295 | 0.310 | -5.1 | 85 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.432 | 0.508 | -17.6 | 95 | 0.00 |
| 10 | T | Methyl Iodide | 0.537 | 0.658 | -22.5 | 98 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.109 | 0.122 | -11.9 | 86 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.431 | 0.513 | -19.0# | 95 | 0.00 |
| 13 | T | Acrolein | 0.123 | 0.105 | 14.6 | 68 | 0.00 |
| 14 | T | Allyl chloride | 0.684 | 0.752 | -9.9 | 86 | 0.00 |
| 15 | T | Acrylonitrile | 0.286 | 0.319 | -11.5 | 86 | 0.00 |
| 16 | T | Acetone | 0.253 | 0.255 | -0.8 | 87 | 0.00 |
| 17 | T | Carbon Disulfide | 0.879 | 1.068 | -21.5 | 103 | 0.00 |
| 18 | T | Methyl Acetate | 0.691 | 0.670 | 3.0 | 72 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.425 | 1.675 | -17.5 | 91 | 0.00 |
| 20 | T | Methylene Chloride | 0.554 | 0.588 | -6.1 | 92 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.438 | 0.516 | -17.8 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 1.446 | 1.632 | -12.9 | 87 | 0.00 |
| 23 | T | Vinyl Acetate | 1.235 | 1.457 | -18.0 | 89 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.810 | 0.936 | -15.6 | 91 | 0.00 |
| 25 | T | 2-Butanone | 0.394 | 0.426 | -8.1 | 83 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.586 | 0.585 | 0.2 | 79 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.548 | 0.645 | -17.7 | 92 | 0.00 |
| 28 | T | Bromochloromethane | 0.347 | 0.321 | 7.5 | 76 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.254 | 0.283 | -11.4 | 84 | 0.00 |
| 30 | C | Chloroform | 0.843 | 0.976 | -15.8# | 91 | 0.00 |
| 31 | T | Cyclohexane | 0.674 | 0.784 | -16.3 | 95 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.705 | 0.842 | -19.4 | 93 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.577 | 0.547 | 5.2 | 80 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.355 | 0.364 | -2.5 | 83 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.377 | 0.438 | -16.2 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 0.491 | 0.559 | -13.8 | 86 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.416 | 0.502 | -20.7 | 94 | 0.00 |
| 39 | T | Methylcyclohexane | 0.476 | 0.574 | -20.6 | 97 | 0.00 |
| 40 | TM | Benzene | 1.271 | 1.480 | -16.4 | 93 | 0.00 |
| 41 | T | Methacrylonitrile | 0.266 | 0.309 | -16.2 | 87 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.409 | 0.472 | -15.4 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.753 | 0.841 | -11.7 | 85 | 0.00 |
| 44 | TM | Trichloroethene | 0.341 | 0.407 | -19.4 | 94 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.312 | 0.357 | -14.4# | 88 | 0.00 |
| 46 | T | Dibromomethane | 0.228 | 0.266 | -16.7 | 90 | 0.00 |
| 47 | T | Bromodichloromethane | 0.418 | 0.493 | -17.9 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 0.360 | 0.418 | -16.1 | 85 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Jul 03 03:40:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.009 | 0.011 | -22.2 | 93 | 0.00 |
| 50 | S | Toluene-d8 | 1.246 | 1.214 | 2.6 | 79 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.519 | 0.578 | -11.4 | 83 | 0.00 |
| 52 | CM | Toluene | 0.809 | 0.959 | -18.5# | 92 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.409 | 0.482 | -17.8 | 87 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.458 | 0.548 | -19.7 | 88 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.337 | 0.392 | -16.3 | 88 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.524 | 0.631 | -20.4 | 87 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.545 | 0.629 | -15.4 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.244 | 0.275 | -12.7 | 81 | 0.00 |
| 59 | T | 2-Hexanone | 0.397 | 0.447 | -12.6 | 82 | 0.00 |
| 60 | T | Dibromochloromethane | 0.366 | 0.448 | -22.4 | 90 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.350 | 0.414 | -18.3 | 91 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.459 | 0.477 | -3.9 | 80 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 64 | T | Tetrachloroethene | 0.364 | 0.438 | -20.3 | 98 | 0.00 |
| 65 | PM | Chlorobenzene | 1.040 | 1.197 | -15.1 | 91 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.364 | 0.432 | -18.7 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 1.630 | 1.949 | -19.6# | 91 | 0.00 |
| 68 | T | m/p-Xylenes | 0.658 | 0.786 | -19.5 | 92 | 0.00 |
| 69 | T | o-Xylene | 0.651 | 0.780 | -19.8 | 91 | 0.00 |
| 70 | T | Styrene | 1.092 | 1.333 | -22.1 | 90 | 0.00 |
| 71 | P | Bromoform | 0.326 | 0.396 | -21.5 | 87 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 73 | T | Isopropylbenzene | 3.040 | 3.617 | -19.0 | 92 | 0.00 |
| 74 | T | N-amyl acetate | 1.350 | 1.520 | -12.6 | 85 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.130 | 1.219 | -7.9 | 85 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.908 | 0.971 | -6.9 | 86 | 0.00 |
| 77 | T | Bromobenzene | 0.905 | 1.047 | -15.7 | 90 | 0.00 |
| 78 | T | n-propylbenzene | 3.299 | 3.936 | -19.3 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.125 | 2.416 | -13.7 | 89 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.532 | 3.038 | -20.0 | 92 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.320 | 0.340 | -6.3 | 80 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.349 | 2.758 | -17.4 | 90 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.779 | 3.213 | -15.6 | 89 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.541 | 3.058 | -20.3 | 91 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.143 | 3.777 | -20.2 | 91 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.745 | 3.364 | -22.6 | 92 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.592 | 1.856 | -16.6 | 90 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.633 | 1.867 | -14.3 | 91 | 0.00 |
| 89 | T | n-Butylbenzene | 2.113 | 2.590 | -22.6 | 92 | 0.00 |
| 90 | T | Hexachloroethane | 0.467 | 0.549 | -17.6 | 90 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.629 | 1.891 | -16.1 | 90 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.224 | 0.262 | -17.0 | 86 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.067 | 1.285 | -20.4 | 91 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.539 | 0.626 | -16.1 | 92 | 0.00 |
| 95 | T | Naphthalene | 3.289 | 4.049 | -23.1 | 89 | 0.00 |

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ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Jul 03 03:40:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.125 | 1.351 | -20.1 | 90 | 0.00 |

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