Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
Data File : VX036422.D
Acq On : 06 Jul 2023 09:47
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 07 01:41:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 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 | 99 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.473 | 0.423 | 10.6 | 91 | 0.00 |
| 3 | P | Chloromethane | 0.821 | 0.563 | 31.4# | 68 | 0.00 |
| 4 | C | Vinyl Chloride | 0.898 | 0.885 | 1.4# | 98 | 0.00 |
| 5 | T | Bromomethane | 0.657 | 0.706 | -7.5 | 111 | 0.00 |
| 6 | T | Chloroethane | 0.659 | 0.584 | 11.4 | 89 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.365 | 1.157 | 15.2 | 85 | 0.00 |
| 8 | T | Diethyl Ether | 0.527 | 0.442 | 16.1 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.573 | 0.556 | 3.0 | 95 | 0.00 |
| 10 | T | Methyl Iodide | 0.694 | 0.633 | 8.8 | 86 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.130 | 0.135 | -3.8 | 105 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 0.568 | 0.505 | 11.1# | 89 | 0.00 |
| 13 | T | Acrolein | 0.179 | 0.148 | 17.3 | 88 | 0.00 |
| 14 | T | Allyl chloride | 0.923 | 0.880 | 4.7 | 94 | 0.00 |
| 15 | T | Acrylonitrile | 0.331 | 0.304 | 8.2 | 91 | 0.00 |
| 16 | T | Acetone | 0.306 | 0.288 | 5.9 | 100 | -0.01 |
| 17 | T | Carbon Disulfide | 1.396 | 1.080 | 22.6 | 79 | 0.00 |
| 18 | T | Methyl Acetate | 1.260 | 1.208 | 4.1 | 96 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.836 | 1.820 | 0.9 | 97 | 0.00 |
| 20 | T | Methylene Chloride | 0.660 | 0.570 | 13.6 | 90 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.606 | 0.524 | 13.5 | 89 | 0.00 |
| 22 | T | Diisopropyl ether | 1.850 | 1.814 | 1.9 | 96 | 0.00 |
| 23 | T | Vinyl Acetate | 1.343 | 1.337 | 0.4 | 95 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.091 | 1.045 | 4.2 | 95 | 0.00 |
| 25 | T | 2-Butanone | 0.440 | 0.429 | 2.5 | 97 | -0.01 |
| 26 | T | 2,2-Dichloropropane | 0.773 | 0.905 | -17.1 | 116 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.680 | 0.645 | 5.1 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 0.566 | 0.504 | 11.0 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.280 | 0.265 | 5.4 | 95 | -0.01 |
| 30 | C | Chloroform | 1.098 | 1.077 | 1.9# | 98 | 0.00 |
| 31 | T | Cyclohexane | 0.918 | 0.821 | 10.6 | 90 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.917 | 0.938 | -2.3 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.717 | 0.679 | 5.3 | 96 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.330 | 0.336 | -1.8 | 99 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.491 | 0.461 | 6.1 | 93 | 0.00 |
| 37 | T | Ethyl Acetate | 0.501 | 0.490 | 2.2 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.449 | 0.486 | -8.2 | 102 | 0.00 |
| 39 | T | Methylcyclohexane | 0.589 | 0.573 | 2.7 | 92 | 0.00 |
| 40 | TM | Benzene | 1.373 | 1.338 | 2.5 | 94 | 0.00 |
| 41 | T | Methacrylonitrile | 0.278 | 0.275 | 1.1 | 95 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.522 | 0.515 | 1.3 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.799 | 0.841 | -5.3 | 100 | 0.00 |
| 44 | TM | Trichloroethene | 0.382 | 0.376 | 1.6 | 96 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.374 | 0.373 | 0.3# | 95 | 0.00 |
| 46 | T | Dibromomethane | 0.263 | 0.258 | 1.9 | 95 | 0.00 |
| 47 | T | Bromodichloromethane | 0.476 | 0.504 | -5.9 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 0.398 | 0.405 | -1.8 | 97 | 0.00 |

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Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 07 01:41:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 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 | 0.009 | 0.008 | 11.1 | 91 | -0.03 |
| 50 | S | Toluene-d8 | 1.231 | 1.215 | 1.3 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.515 | 0.515 | 0.0 | 95 | 0.00 |
| 52 | CM | Toluene | 0.870 | 0.832 | 4.4# | 92 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.481 | 0.545 | -13.3 | 103 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.543 | 0.597 | -9.9 | 100 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.362 | 0.366 | -1.1 | 96 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.541 | 0.570 | -5.4 | 99 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.620 | 0.607 | 2.1 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.304 | 0.309 | -1.6 | 92 | 0.00 |
| 59 | T | 2-Hexanone | 0.376 | 0.393 | -4.5 | 98 | 0.00 |
| 60 | T | Dibromochloromethane | 0.351 | 0.382 | -8.8 | 101 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.384 | 0.380 | 1.0 | 94 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.434 | 0.439 | -1.2 | 98 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 64 | T | Tetrachloroethene | 0.353 | 0.420 | -19.0 | 111 | 0.00 |
| 65 | PM | Chlorobenzene | 1.051 | 1.072 | -2.0 | 94 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.355 | 0.409 | -15.2 | 102 | 0.00 |
| 67 | C | Ethyl Benzene | 1.869 | 1.913 | -2.4# | 94 | 0.00 |
| 68 | T | m/p-Xylenes | 0.726 | 0.735 | -1.2 | 93 | 0.00 |
| 69 | T | o-Xylene | 0.701 | 0.728 | -3.9 | 96 | 0.00 |
| 70 | T | Styrene | 1.148 | 1.186 | -3.3 | 94 | 0.00 |
| 71 | P | Bromoform | 0.255 | 0.309 | -21.2 | 106 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 73 | T | Isopropylbenzene | 3.768 | 3.886 | -3.1 | 96 | 0.00 |
| 74 | T | N-amyl acetate | 1.490 | 1.706 | -14.5 | 103 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.276 | 1.297 | -1.6 | 97 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.067 | 1.110 | -4.0 | 101 | 0.00 |
| 77 | T | Bromobenzene | 0.927 | 0.936 | -1.0 | 97 | 0.00 |
| 78 | T | n-propylbenzene | 4.401 | 4.536 | -3.1 | 96 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.618 | 2.637 | -0.7 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.191 | 3.244 | -1.7 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.327 | 0.402 | -22.9 | 115 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.048 | 3.119 | -2.3 | 97 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.058 | 3.140 | -2.7 | 96 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.157 | 3.227 | -2.2 | 96 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.874 | 4.085 | -5.4 | 99 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.251 | 3.412 | -5.0 | 97 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.703 | 1.746 | -2.5 | 98 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.735 | 1.737 | -0.1 | 98 | 0.00 |
| 89 | T | n-Butylbenzene | 2.894 | 3.126 | -8.0 | 100 | 0.00 |
| 90 | T | Hexachloroethane | 0.492 | 0.574 | -16.7 | 107 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.677 | 1.722 | -2.7 | 100 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.242 | 0.288 | -19.0 | 109 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.033 | 1.189 | -15.1 | 110 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.423 | 0.477 | -12.8 | 112 | 0.00 |
| 95 | T | Naphthalene | 3.413 | 3.842 | -12.6 | 104 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 07 01:41:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.008 | 1.152 | -14.3 | 107 | 0.00 |

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