# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
Data File : VX034557.D
Acq On : 16 Mar 2023 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Mar 17 06:32:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 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 | 87 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.466 | 0.400 | 14.2 | 72 | 0.00 |
| 3 | P | Chloromethane | 0.839 | 0.548 | 34.7# | 67 | 0.00 |
| 4 | C | Vinyl Chloride | 0.635 | 0.533 | 16.1# | 72 | 0.00 |
| 5 | T | Bromomethane | 0.320 | 0.278 | 13.1 | 69 | 0.00 |
| 6 | T | Chloroethane | 0.365 | 0.340 | 6.8 | 76 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.954 | 0.861 | 9.7 | 74 | 0.00 |
| 8 | T | Diethyl Ether | 0.348 | 0.328 | 5.7 | 80 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.556 | 0.482 | 13.3 | 71 | 0.00 |
| 10 | T | Methyl Iodide | 0.730 | 0.661 | 9.5 | 77 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.151 | 0.137 | 9.3 | 88 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.547 | 0.465 | 15.0# | 73 | 0.00 |
| 13 | T | Acrolein | 0.120 | 0.140 | -16.7 | 110 | 0.00 |
| 14 | T | Allyl chloride | 1.110 | 0.939 | 15.4 | 75 | 0.00 |
| 15 | T | Acrylonitrile | 0.327 | 0.313 | 4.3 | 82 | 0.00 |
| 16 | T | Acetone | 0.343 | 0.284 | 17.2 | 72 | 0.00 |
| 17 | T | Carbon Disulfide | 1.540 | 1.095 | 28.9# | 63 | 0.00 |
| 18 | T | Methyl Acetate | 1.120 | 1.050 | 6.3 | 83 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.960 | 1.799 | 8.2 | 79 | 0.00 |
| 20 | T | Methylene Chloride | 0.665 | 0.553 | 16.8 | 76 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.581 | 0.504 | 13.3 | 72 | 0.00 |
| 22 | T | Diisopropyl ether | 2.116 | 1.942 | 8.2 | 77 | 0.00 |
| 23 | T | Vinyl Acetate | 1.610 | 1.523 | 5.4 | 78 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.137 | 1.024 | 9.9 | 77 | 0.00 |
| 25 | T | 2-Butanone | 0.490 | 0.461 | 5.9 | 80 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.989 | 0.824 | 16.7 | 71 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.700 | 0.619 | 11.6 | 75 | 0.00 |
| 28 | T | Bromochloromethane | 0.529 | 0.475 | 10.2 | 75 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.303 | 0.291 | 4.0 | 82 | 0.01 |
| 30 | C | Chloroform | 1.115 | 1.067 | 4.3# | 79 | 0.01 |
| 31 | T | Cyclohexane | 1.020 | 0.854 | 16.3 | 69 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.987 | 0.920 | 6.8 | 77 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.727 | 0.672 | 7.6 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.330 | 0.285 | 13.6 | 84 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.507 | 0.427 | 15.8 | 71 | 0.00 |
| 37 | T | Ethyl Acetate | 0.554 | 0.515 | 7.0 | 81 | 0.01 |
| 38 | T | Carbon Tetrachloride | 0.504 | 0.442 | 12.3 | 74 | 0.00 |
| 39 | T | Methylcyclohexane | 0.607 | 0.489 | 19.4 | 66 | 0.00 |
| 40 | TM | Benzene | 1.483 | 1.273 | 14.2 | 74 | 0.00 |
| 41 | T | Methacrylonitrile | 0.304 | 0.290 | 4.6 | 84 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.545 | 0.525 | 3.7 | 83 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.938 | 0.864 | 7.9 | 79 | 0.00 |
| 44 | TM | Trichloroethene | 0.385 | 0.332 | 13.8 | 74 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.387 | 0.348 | 10.1# | 77 | 0.00 |
| 46 | T | Dibromomethane | 0.263 | 0.237 | 9.9 | 78 | 0.00 |
| 47 | T | Bromodichloromethane | 0.510 | 0.468 | 8.2 | 77 | 0.00 |
| 48 | T | Methyl methacrylate | 0.451 | 0.428 | 5.1 | 81 | 0.00 |

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

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

Quant Time: Mar 17 06:32:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 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 | 0.009 | 0.0 | 89 | 0.00 |
| 50 | S | Toluene-d8 | 1.232 | 1.052 | 14.6 | 81 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.544 | 0.532 | 2.2 | 83 | 0.00 |
| 52 | CM | Toluene | 0.918 | 0.799 | 13.0# | 73 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.574 | 0.514 | 10.5 | 73 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.621 | 0.547 | 11.9 | 73 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.364 | 0.341 | 6.3 | 79 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.598 | 0.554 | 7.4 | 77 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.648 | 0.591 | 8.8 | 77 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.308 | 0.296 | 3.9 | 91 | 0.00 |
| 59 | T | 2-Hexanone | 0.421 | 0.410 | 2.6 | 83 | 0.00 |
| 60 | T | Dibromochloromethane | 0.382 | 0.349 | 8.6 | 75 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.393 | 0.362 | 7.9 | 78 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.498 | 0.429 | 13.9 | 83 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 0.336 | 0.289 | 14.0 | 74 | 0.00 |
| 65 | PM | Chlorobenzene | 1.097 | 0.945 | 13.9 | 76 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.400 | 0.356 | 11.0 | 76 | 0.00 |
| 67 | C | Ethyl Benzene | 1.964 | 1.716 | 12.6# | 75 | 0.00 |
| 68 | T | m/p-Xylenes | 0.754 | 0.650 | 13.8 | 74 | 0.00 |
| 69 | T | o-Xylene | 0.757 | 0.659 | 12.9 | 77 | 0.00 |
| 70 | T | Styrene | 1.222 | 1.092 | 10.6 | 77 | 0.00 |
| 71 | P | Bromoform | 0.308 | 0.274 | 11.0 | 75 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 3.864 | 3.396 | 12.1 | 76 | 0.00 |
| 74 | T | N-amyl acetate | 1.851 | 1.742 | 5.9 | 82 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.290 | 1.180 | 8.5 | 80 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.148 | 0.996 | 13.2 | 80 | 0.00 |
| 77 | T | Bromobenzene | 0.927 | 0.805 | 13.2 | 76 | 0.00 |
| 78 | T | n-propylbenzene | 4.463 | 3.977 | 10.9 | 74 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.756 | 2.465 | 10.6 | 77 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.241 | 2.893 | 10.7 | 76 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.424 | 0.347 | 18.2 | 70 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.175 | 2.843 | 10.5 | 76 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.268 | 2.956 | 9.5 | 78 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.313 | 2.921 | 11.8 | 76 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.995 | 3.565 | 10.8 | 75 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.358 | 2.978 | 11.3 | 74 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.817 | 1.541 | 15.2 | 74 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.837 | 1.568 | 14.6 | 76 | 0.00 |
| 89 | T | n-Butylbenzene | 2.985 | 2.599 | 12.9 | 71 | 0.00 |
| 90 | T | Hexachloroethane | 0.621 | 0.528 | 15.0 | 70 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.756 | 1.552 | 11.6 | 77 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.293 | 0.262 | 10.6 | 76 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.098 | 0.916 | 16.6 | 68 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.442 | 0.369 | 16.5 | 69 | 0.00 |
| 95 | T | Naphthalene | 3.681 | 3.245 | 11.8 | 75 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.073 | 0.920 | 14.3 | 73 | 0.00 |

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