# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
Data File : VX033336.D
Acq On : 08 Dec 2022 20:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Dec 09 00:55:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
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 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.349 | 0.364 | -4.3 | 119 | 0.00 |
| 3 | P | Chloromethane | 0.404 | 0.368 | 8.9 | 109 | 0.00 |
| 4 | C | Vinyl Chloride | 0.461 | 0.424 | 8.0# | 107 | 0.00 |
| 5 | T | Bromomethane | 0.338 | 0.237 | 29.9# | 85 | 0.00 |
| 6 | T | Chloroethane | 0.350 | 0.293 | 16.3 | 93 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.866 | 0.753 | 13.0 | 99 | 0.00 |
| 8 | T | Diethyl Ether | 0.313 | 0.276 | 11.8 | 108 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.459 | 0.307 | 33.1# | 74 | 0.00 |
| 10 | T | Methyl Iodide | 0.503 | 0.318 | 36.8# | 70 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.098 | 0.083 | 15.3 | 111 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.453 | 0.303 | 33.1# | 77 | 0.00 |
| 13 | T | Acrolein | 0.106 | 0.060 | 43.4# | 64 | 0.00 |
| 14 | T | Allyl chloride | 0.724 | 0.436 | 39.8# | 68 | 0.00 |
| 15 | T | Acrylonitrile | 0.243 | 0.217 | 10.7 | 103 | 0.00 |
| 16 | T | Acetone | 0.237 | 0.118 | 50.2# | 62 | 0.00 |
| 17 | T | Carbon Disulfide | 1.163 | 0.698 | 40.0# | 68 | 0.00 |
| 18 | T | Methyl Acetate | 0.687 | 0.421 | 38.7# | 70 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.570 | 1.492 | 5.0 | 109 | 0.00 |
| 20 | T | Methylene Chloride | 0.529 | 0.404 | 23.6 | 92 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.496 | 0.474 | 4.4 | 109 | 0.00 |
| 22 | T | Diisopropyl ether | 1.551 | 1.438 | 7.3 | 102 | 0.00 |
| 23 | T | Vinyl Acetate | 1.204 | 1.090 | 9.5 | 100 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.911 | 0.848 | 6.9 | 108 | 0.00 |
| 25 | T | 2-Butanone | 0.341 | 0.295 | 13.5 | 98 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.670 | 0.590 | 11.9 | 98 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.593 | 0.563 | 5.1 | 108 | 0.00 |
| 28 | T | Bromochloromethane | 0.381 | 0.361 | 5.2 | 104 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.221 | 0.191 | 13.6 | 98 | 0.00 |
| 30 | C | Chloroform | 1.012 | 0.939 | 7.2# | 105 | 0.00 |
| 31 | T | Cyclohexane | 0.762 | 0.734 | 3.7 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.870 | 0.831 | 4.5 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.321 | 0.272 | 15.3 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.225 | 0.201 | 10.7 | 105 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.438 | 0.420 | 4.1 | 106 | 0.00 |
| 37 | T | Ethyl Acetate | 0.414 | 0.366 | 11.6 | 98 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.491 | 0.452 | 7.9 | 101 | 0.00 |
| 39 | T | Methylcyclohexane | 0.491 | 0.482 | 1.8 | 105 | 0.00 |
| 40 | TM | Benzene | 1.278 | 1.225 | 4.1 | 108 | 0.00 |
| 41 | T | Methacrylonitrile | 0.228 | 0.211 | 7.5 | 101 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.508 | 0.460 | 9.4 | 103 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.667 | 0.608 | 8.8 | 101 | 0.00 |
| 44 | TM | Trichloroethene | 0.352 | 0.350 | 0.6 | 110 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.327 | 0.305 | 6.7# | 106 | 0.00 |
| 46 | T | Dibromomethane | 0.249 | 0.225 | 9.6 | 103 | 0.00 |
| 47 | T | Bromodichloromethane | 0.485 | 0.445 | 8.2 | 102 | 0.00 |
| 48 | T | Methyl methacrylate | 0.344 | 0.309 | 10.2 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
Data File : VX033336.D
Acq On : 08 Dec 2022 20:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Dec 09 00:55:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
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 | 0.007 | 12.5 | 101 | 0.01 |
| 50 | S | Toluene-d8 | 0.470 | 0.436 | 7.2 | 105 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.422 | 0.380 | 10.0 | 98 | 0.00 |
| 52 | CM | Toluene | 0.827 | 0.809 | 2.2# | 106 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.473 | 0.441 | 6.8 | 101 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.517 | 0.485 | 6.2 | 102 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.347 | 0.326 | 6.1 | 105 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.489 | 0.468 | 4.3 | 102 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.558 | 0.525 | 5.9 | 105 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.224 | 0.214 | 4.5 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 0.311 | 0.282 | 9.3 | 98 | 0.00 |
| 60 | T | Dibromochloromethane | 0.383 | 0.347 | 9.4 | 99 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.370 | 0.350 | 5.4 | 104 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.360 | 0.351 | 2.5 | 106 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 64 | T | Tetrachloroethene | 0.342 | 0.333 | 2.6 | 109 | 0.00 |
| 65 | PM | Chlorobenzene | 1.013 | 0.968 | 4.4 | 105 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.383 | 0.362 | 5.5 | 102 | 0.00 |
| 67 | C | Ethyl Benzene | 1.764 | 1.762 | 0.1# | 107 | 0.00 |
| 68 | T | m/p-Xylenes | 0.686 | 0.691 | -0.7 | 107 | 0.00 |
| 69 | T | o-Xylene | 0.678 | 0.687 | -1.3 | 107 | 0.00 |
| 70 | T | Styrene | 1.111 | 1.115 | -0.4 | 105 | 0.00 |
| 71 | P | Bromoform | 0.303 | 0.275 | 9.2 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 73 | T | Isopropylbenzene | 3.624 | 3.530 | 2.6 | 106 | 0.00 |
| 74 | T | N-amyl acetate | 1.236 | 1.166 | 5.7 | 101 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.150 | 1.055 | 8.3 | 104 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.017 | 0.934 | 8.2 | 104 | 0.00 |
| 77 | T | Bromobenzene | 0.915 | 0.862 | 5.8 | 107 | 0.00 |
| 78 | T | n-propylbenzene | 4.047 | 3.959 | 2.2 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.501 | 2.388 | 4.5 | 105 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.017 | 2.961 | 1.9 | 106 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.327 | 0.262 | 19.9 | 90 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.908 | 2.727 | 6.2 | 104 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.008 | 2.954 | 1.8 | 106 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.011 | 3.005 | 0.2 | 109 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.510 | 3.503 | 0.2 | 106 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.026 | 3.000 | 0.9 | 107 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.658 | 1.596 | 3.7 | 106 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.693 | 1.627 | 3.9 | 109 | 0.00 |
| 89 | T | n-Butylbenzene | 2.478 | 2.460 | 0.7 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 0.514 | 0.445 | 13.4 | 94 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.657 | 1.589 | 4.1 | 109 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.248 | 0.214 | 13.7 | 98 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.001 | 0.978 | 2.3 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.401 | 0.382 | 4.7 | 107 | 0.00 |
| 95 | T | Naphthalene | 3.339 | 3.357 | -0.5 | 108 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
Data File : VX033336.D
Acq On : 08 Dec 2022 20:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Dec 09 00:55:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
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 | 1.014 | 0.981 | 3.3 | 107 | 0.00 |

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