# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
Data File : VX033032.D
Acq On : 23 Nov 2022 20:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Nov 24 04:08:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 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 | 94 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.382 | 0.373 | 2.4 | 96 | 0.00 |
| 3 | P | Chloromethane | 0.412 | 0.395 | 4.1 | 96 | 0.00 |
| 4 | C | Vinyl Chloride | 0.459 | 0.457 | 0.4# | 97 | 0.00 |
| 5 | T | Bromomethane | 0.340 | 0.185 | 45.6# | 55 | 0.01 |
| 6 | T | Chloroethane | 0.374 | 0.385 | -2.9 | 96 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.891 | 0.982 | -10.2 | 107 | 0.00 |
| 8 | T | Diethyl Ether | 0.281 | 0.310 | -10.3 | 107 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.468 | 0.496 | -6.0 | 100 | 0.00 |
| 10 | T | Methyl Iodide | 0.536 | 0.311 | 42.0# | 51 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.077 | 0.102 | -32.5# | 126 | 0.07 |
| 12 | CM | 1,1-Dichloroethene | 0.436 | 0.464 | -6.4# | 101 | 0.00 |
| 13 | T | Acrolein | 0.089 | 0.069 | 22.5 | 77 | 0.00 |
| 14 | T | Allyl chloride | 0.704 | 0.741 | -5.3 | 99 | 0.00 |
| 15 | T | Acrylonitrile | 0.218 | 0.249 | -14.2 | 110 | 0.00 |
| 16 | T | Acetone | 0.227 | 0.219 | 3.5 | 91 | 0.02 |
| 17 | T | Carbon Disulfide | 1.205 | 1.178 | 2.2 | 97 | 0.00 |
| 18 | T | Methyl Acetate | 0.629 | 0.704 | -11.9 | 109 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.513 | 1.673 | -10.6 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 0.548 | 0.520 | 5.1 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.499 | 0.513 | -2.8 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 1.534 | 1.735 | -13.1 | 102 | 0.00 |
| 23 | T | Vinyl Acetate | 1.201 | 1.369 | -14.0 | 103 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.878 | 0.945 | -7.6 | 103 | 0.00 |
| 25 | T | 2-Butanone | 0.314 | 0.357 | -13.7 | 107 | 0.01 |
| 26 | T | 2,2-Dichloropropane | 0.706 | 0.718 | -1.7 | 93 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.567 | 0.615 | -8.5 | 100 | 0.00 |
| 28 | T | Bromochloromethane | 0.386 | 0.413 | -7.0 | 99 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.199 | 0.235 | -18.1 | 113 | 0.01 |
| 30 | C | Chloroform | 0.983 | 1.087 | -10.6# | 102 | 0.00 |
| 31 | T | Cyclohexane | 0.789 | 0.828 | -4.9 | 97 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.880 | 0.971 | -10.3 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.539 | 0.505 | 6.3 | 98 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.282 | 0.263 | 6.7 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.451 | 0.476 | -5.5 | 100 | 0.00 |
| 37 | T | Ethyl Acetate | 0.393 | 0.443 | -12.7 | 106 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.500 | 0.530 | -6.0 | 100 | 0.00 |
| 39 | T | Methylcyclohexane | 0.514 | 0.536 | -4.3 | 98 | 0.00 |
| 40 | TM | Benzene | 1.264 | 1.349 | -6.7 | 101 | 0.00 |
| 41 | T | Methacrylonitrile | 0.221 | 0.257 | -16.3 | 109 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.509 | 0.548 | -7.7 | 101 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.650 | 0.731 | -12.5 | 105 | 0.00 |
| 44 | TM | Trichloroethene | 0.355 | 0.377 | -6.2 | 99 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.312 | 0.348 | -11.5# | 103 | 0.00 |
| 46 | T | Dibromomethane | 0.244 | 0.262 | -7.4 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 0.471 | 0.526 | -11.7 | 103 | 0.00 |
| 48 | T | Methyl methacrylate | 0.335 | 0.379 | -13.1 | 106 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
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**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 24 04:08:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
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 | 0.006 | 0.008 | -33.3# | 123 | 0.06 |
| 50 | S | Toluene-d8 | 0.915 | 0.836 | 8.6 | 97 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.401 | 0.477 | -19.0 | 110 | 0.00 |
| 52 | CM | Toluene | 0.831 | 0.906 | -9.0# | 101 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.462 | 0.531 | -14.9 | 99 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.508 | 0.559 | -10.0 | 99 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.338 | 0.368 | -8.9 | 103 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.466 | 0.549 | -17.8 | 104 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.546 | 0.599 | -9.7 | 102 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.221 | 0.259 | -17.2 | 109 | 0.00 |
| 59 | T | 2-Hexanone | 0.296 | 0.358 | -20.9 | 109 | 0.00 |
| 60 | T | Dibromochloromethane | 0.364 | 0.417 | -14.6 | 102 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.357 | 0.397 | -11.2 | 102 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.370 | 0.367 | 0.8 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 64 | T | Tetrachloroethene | 0.354 | 0.354 | 0.0 | 98 | 0.00 |
| 65 | PM | Chlorobenzene | 0.997 | 1.054 | -5.7 | 101 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.365 | 0.405 | -11.0 | 102 | 0.00 |
| 67 | C | Ethyl Benzene | 1.768 | 1.942 | -9.8# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 0.692 | 0.761 | -10.0 | 102 | 0.00 |
| 69 | T | o-Xylene | 0.670 | 0.742 | -10.7 | 101 | 0.00 |
| 70 | T | Styrene | 1.096 | 1.244 | -13.5 | 101 | 0.00 |
| 71 | P | Bromoform | 0.280 | 0.322 | -15.0 | 103 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 3.573 | 3.799 | -6.3 | 102 | 0.00 |
| 74 | T | N-amyl acetate | 1.215 | 1.408 | -15.9 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.078 | 1.189 | -10.3 | 108 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.947 | 1.037 | -9.5 | 106 | 0.00 |
| 77 | T | Bromobenzene | 0.879 | 0.910 | -3.5 | 101 | 0.00 |
| 78 | T | n-propylbenzene | 4.085 | 4.376 | -7.1 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.481 | 2.616 | -5.4 | 102 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.002 | 3.275 | -9.1 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.291 | 0.260 | 10.7 | 83 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.908 | 3.072 | -5.6 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.988 | 3.232 | -8.2 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.993 | 3.224 | -7.7 | 101 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.574 | 3.856 | -7.9 | 101 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.028 | 3.287 | -8.6 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.648 | 1.727 | -4.8 | 102 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.688 | 1.747 | -3.5 | 100 | 0.00 |
| 89 | T | n-Butylbenzene | 2.609 | 2.798 | -7.2 | 99 | 0.00 |
| 90 | T | Hexachloroethane | 0.498 | 0.499 | -0.2 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.603 | 1.679 | -4.7 | 100 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.215 | 0.254 | -18.1 | 109 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.988 | 1.040 | -5.3 | 101 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.436 | 0.427 | 2.1 | 99 | 0.00 |
| 95 | T | Naphthalene | 3.197 | 3.564 | -11.5 | 106 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.991 | 1.045 | -5.4 | 101 | 0.00 |

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