# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090822\
Data File : VX031210.D
Acq On : 08 Sep 2022 14:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 08 18:39:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 07 23:22:41 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 | 75 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.804 | 0.840 | -4.5 | 81 | 0.00 |
| 3 | P | Chloromethane | 0.617 | 0.549 | 11.0 | 72 | 0.00 |
| 4 | C | Vinyl Chloride | 0.729 | 0.711 | 2.5# | 77 | 0.00 |
| 5 | T | Bromomethane | 0.466 | 0.477 | -2.4 | 80 | 0.00 |
| 6 | T | Chloroethane | 0.409 | 0.461 | -12.7 | 84 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.588 | 1.809 | -13.9 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 0.451 | 0.459 | -1.8 | 79 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.898 | 0.954 | -6.2 | 81 | 0.00 |
| 10 | T | Methyl Iodide | 1.111 | 1.054 | 5.1 | 69 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.258 | 0.251 | 2.7 | 80 | -0.03 |
| 12 | CM | 1,1-Dichloroethene | 0.844 | 0.841 | 0.4# | 76 | 0.00 |
| 13 | T | Acrolein | 0.164 | 0.182 | -11.0 | 87 | 0.00 |
| 14 | T | Allyl chloride | 1.134 | 1.181 | -4.1 | 77 | 0.00 |
| 15 | T | Acrylonitrile | 0.451 | 0.479 | -6.2 | 78 | 0.00 |
| 16 | T | Acetone | 0.410 | 0.460 | -12.2 | 85 | 0.00 |
| 17 | T | Carbon Disulfide | 2.075 | 2.181 | -5.1 | 79 | 0.00 |
| 18 | T | Methyl Acetate | 1.061 | 1.132 | -6.7 | 82 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.998 | 3.351 | -11.8 | 82 | 0.00 |
| 20 | T | Methylene Chloride | 0.963 | 0.978 | -1.6 | 79 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.935 | 0.976 | -4.4 | 80 | 0.00 |
| 22 | T | Diisopropyl ether | 2.381 | 2.434 | -2.2 | 78 | 0.00 |
| 23 | T | Vinyl Acetate | 1.999 | 2.202 | -10.2 | 80 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.580 | 1.721 | -8.9 | 81 | 0.00 |
| 25 | T | 2-Butanone | 0.607 | 0.652 | -7.4 | 79 | -0.01 |
| 26 | T | 2,2-Dichloropropane | 1.413 | 1.694 | -19.9 | 88 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 1.074 | 1.120 | -4.3 | 82 | 0.00 |
| 28 | T | Bromochloromethane | 0.573 | 0.574 | -0.2 | 73 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.358 | 0.366 | -2.2 | 75 | 0.00 |
| 30 | C | Chloroform | 1.868 | 2.033 | -8.8# | 83 | 0.00 |
| 31 | T | Cyclohexane | 1.323 | 1.311 | 0.9 | 75 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.684 | 1.970 | -17.0 | 87 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 1.184 | 1.465 | -23.7 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.545 | 0.639 | -17.2 | 89 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.816 | 0.849 | -4.0 | 80 | 0.00 |
| 37 | T | Ethyl Acetate | 0.724 | 0.722 | 0.3 | 76 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.859 | 1.049 | -22.1 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 0.932 | 0.981 | -5.3 | 78 | 0.00 |
| 40 | TM | Benzene | 2.217 | 2.223 | -0.3 | 77 | 0.00 |
| 41 | T | Methacrylonitrile | 0.379 | 0.401 | -5.8 | 79 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.908 | 1.104 | -21.6 | 89 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.141 | 1.187 | -4.0 | 77 | 0.00 |
| 44 | TM | Trichloroethene | 0.623 | 0.610 | 2.1 | 75 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.545 | 0.535 | 1.8# | 76 | 0.00 |
| 46 | T | Dibromomethane | 0.432 | 0.470 | -8.8 | 80 | 0.00 |
| 47 | T | Bromodichloromethane | 0.840 | 1.006 | -19.8 | 86 | 0.00 |
| 48 | T | Methyl methacrylate | 0.556 | 0.612 | -10.1 | 80 | 0.00 |

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

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

Quant Time: Sep 08 18:39:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 07 23:22:41 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 | 0.015 | 0.017 | -13.3 | 81 | -0.02 |
| 50 | S | Toluene-d8 | 1.980 | 2.201 | -11.2 | 86 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.699 | 0.767 | -9.7 | 80 | 0.00 |
| 52 | CM | Toluene | 1.462 | 1.536 | -5.1# | 79 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.875 | 1.056 | -20.7 | 84 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.940 | 1.052 | -11.9 | 80 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.601 | 0.648 | -7.8 | 81 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.886 | 0.993 | -12.1 | 79 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 1.039 | 1.092 | -5.1 | 80 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.417 | 0.426 | -2.2 | 77 | 0.00 |
| 59 | T | 2-Hexanone | 0.529 | 0.592 | -11.9 | 81 | 0.00 |
| 60 | T | Dibromochloromethane | 0.620 | 0.740 | -19.4 | 84 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.668 | 0.731 | -9.4 | 83 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.725 | 0.891 | -22.9 | 88 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 64 | T | Tetrachloroethene | 0.521 | 0.518 | 0.6 | 81 | 0.00 |
| 65 | PM | Chlorobenzene | 1.472 | 1.470 | 0.1 | 80 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.575 | 0.596 | -3.7 | 84 | 0.00 |
| 67 | C | Ethyl Benzene | 2.668 | 2.785 | -4.4# | 82 | 0.00 |
| 68 | T | m/p-Xylenes | 0.989 | 1.025 | -3.6 | 80 | 0.00 |
| 69 | T | o-Xylene | 0.987 | 1.016 | -2.9 | 80 | 0.00 |
| 70 | T | Styrene | 1.583 | 1.686 | -6.5 | 80 | 0.00 |
| 71 | P | Bromoform | 0.383 | 0.451 | -17.8 | 84 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 73 | T | Isopropylbenzene | 4.342 | 4.421 | -1.8 | 83 | 0.00 |
| 74 | T | N-amyl acetate | 1.382 | 1.397 | -1.1 | 79 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.355 | 1.305 | 3.7 | 81 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.365 | 1.326 | 2.9 | 80 | 0.00 |
| 77 | T | Bromobenzene | 0.944 | 0.944 | 0.0 | 83 | 0.00 |
| 78 | T | n-propylbenzene | 4.949 | 5.147 | -4.0 | 84 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.066 | 3.157 | -3.0 | 85 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.650 | 3.810 | -4.4 | 85 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.423 | 0.439 | -3.8 | 82 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.548 | 3.676 | -3.6 | 85 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.598 | 3.655 | -1.6 | 85 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.549 | 3.722 | -4.9 | 84 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.456 | 4.651 | -4.4 | 85 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.600 | 3.946 | -9.6 | 87 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.754 | 1.855 | -5.8 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.804 | 1.831 | -1.5 | 85 | 0.00 |
| 89 | T | n-Butylbenzene | 3.104 | 3.482 | -12.2 | 85 | 0.00 |
| 90 | T | Hexachloroethane | 0.619 | 0.677 | -9.4 | 85 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.720 | 1.761 | -2.4 | 86 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.372 | 0.373 | -0.3 | 84 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.006 | 1.070 | -6.4 | 82 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.427 | 0.413 | 3.3 | 79 | 0.00 |
| 95 | T | Naphthalene | 3.940 | 3.940 | 0.0 | 78 | 0.00 |

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**LabSampleId :**
VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Wed Sep 07 23:22:41 2022
Response via : Initial Calibration

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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 | 1.024 | 1.017 | 0.7 | 79 | 0.00 |

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