# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100323\
Data File : VX038044.D
Acq On : 03 Oct 2023 17:20
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX100323

Quant Time: Oct 04 09:12:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 04 09:08:35 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 | 108 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.498 | 0.570 | -14.5 | 119 | 0.00 |
| 3 | P | Chloromethane | 0.656 | 0.579 | 11.7 | 94 | 0.00 |
| 4 | C | Vinyl Chloride | 0.592 | 0.616 | -4.1# | 107 | 0.00 |
| 5 | T | Bromomethane | 0.778 | 0.859 | -10.4 | 134 | 0.00 |
| 6 | T | Chloroethane | 0.444 | 0.496 | -11.7 | 111 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.168 | 1.162 | 0.5 | 113 | 0.00 |
| 8 | T | Diethyl Ether | 0.427 | 0.431 | -0.9 | 113 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.508 | 0.470 | 7.5 | 102 | 0.00 |
| 10 | T | Methyl Iodide | 0.524 | 0.594 | -13.4 | 111 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.175 | 0.180 | -2.9 | 114 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.473 | 0.470 | 0.6# | 103 | 0.00 |
| 13 | T | Acrolein | 0.100 | 0.099 | 1.0 | 113 | 0.00 |
| 14 | T | Allyl chloride | 0.839 | 0.845 | -0.7 | 106 | 0.00 |
| 15 | T | Acrylonitrile | 0.363 | 0.378 | -4.1 | 109 | 0.00 |
| 16 | T | Acetone | 0.342 | 0.323 | 5.6 | 107 | 0.00 |
| 17 | T | Carbon Disulfide | 1.339 | 1.312 | 2.0 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 1.469 | 1.503 | -2.3 | 108 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.828 | 1.876 | -2.6 | 106 | 0.00 |
| 20 | T | Methylene Chloride | 0.717 | 0.592 | 17.4 | 104 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.569 | 0.559 | 1.8 | 103 | 0.00 |
| 22 | T | Diisopropyl ether | 1.753 | 1.781 | -1.6 | 105 | 0.00 |
| 23 | T | Vinyl Acetate | 1.261 | 1.331 | -5.6 | 103 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.064 | 1.063 | 0.1 | 106 | 0.00 |
| 25 | T | 2-Butanone | 0.539 | 0.558 | -3.5 | 108 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.836 | 0.747 | 10.6 | 94 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.663 | 0.676 | -2.0 | 107 | 0.00 |
| 28 | T | Bromochloromethane | 0.501 | 0.522 | -4.2 | 104 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.347 | 0.370 | -6.6 | 109 | 0.00 |
| 30 | C | Chloroform | 1.159 | 1.169 | -0.9# | 104 | 0.00 |
| 31 | T | Cyclohexane | 0.910 | 0.905 | 0.5 | 104 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.964 | 1.001 | -3.8 | 103 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.778 | 0.795 | -2.2 | 103 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.343 | 0.351 | -2.3 | 104 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.506 | 0.483 | 4.5 | 104 | 0.00 |
| 37 | T | Ethyl Acetate | 0.568 | 0.617 | -8.6 | 109 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.492 | 0.494 | -0.4 | 105 | 0.00 |
| 39 | T | Methylcyclohexane | 0.597 | 0.576 | 3.5 | 102 | 0.00 |
| 40 | TM | Benzene | 1.426 | 1.417 | 0.6 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 0.284 | 0.300 | -5.6 | 105 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.559 | 0.563 | -0.7 | 104 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.880 | 0.945 | -7.4 | 107 | 0.00 |
| 44 | TM | Trichloroethene | 0.385 | 0.359 | 6.8 | 104 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.363 | 0.368 | -1.4# | 104 | 0.00 |
| 46 | T | Dibromomethane | 0.281 | 0.278 | 1.1 | 105 | 0.00 |
| 47 | T | Bromodichloromethane | 0.489 | 0.515 | -5.3 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 0.423 | 0.441 | -4.3 | 104 | 0.00 |

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Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX100323

Quant Time: Oct 04 09:12:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 04 09:08:35 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 | 0.011 | -22.2 | 118 | 0.00 |
| 50 | S | Toluene-d8 | 1.313 | 1.362 | -3.7 | 103 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.611 | 0.647 | -5.9 | 106 | 0.00 |
| 52 | CM | Toluene | 0.923 | 0.919 | 0.4# | 102 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.516 | 0.563 | -9.1 | 102 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.549 | 0.583 | -6.2 | 103 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.375 | 0.390 | -4.0 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.563 | 0.621 | -10.3 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.630 | 0.638 | -1.3 | 103 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.288 | 0.306 | -6.3 | 104 | 0.00 |
| 59 | T | 2-Hexanone | 0.489 | 0.528 | -8.0 | 106 | 0.00 |
| 60 | T | Dibromochloromethane | 0.361 | 0.399 | -10.5 | 102 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.406 | 0.432 | -6.4 | 105 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.478 | 0.507 | -6.1 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 64 | T | Tetrachloroethene | 0.333 | 0.328 | 1.5 | 108 | 0.00 |
| 65 | PM | Chlorobenzene | 1.050 | 1.018 | 3.0 | 105 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.350 | 0.371 | -6.0 | 105 | 0.00 |
| 67 | C | Ethyl Benzene | 1.888 | 1.882 | 0.3# | 103 | 0.00 |
| 68 | T | m/p-Xylenes | 0.723 | 0.723 | 0.0 | 104 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.703 | -2.3 | 104 | 0.00 |
| 70 | T | Styrene | 1.134 | 1.180 | -4.1 | 103 | 0.00 |
| 71 | P | Bromoform | 0.266 | 0.307 | -15.4 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 3.393 | 3.401 | -0.2 | 102 | 0.00 |
| 74 | T | N-amyl acetate | 1.527 | 1.621 | -6.2 | 103 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.270 | 1.286 | -1.3 | 103 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.158 | 1.209 | -4.4 | 104 | 0.00 |
| 77 | T | Bromobenzene | 0.832 | 0.828 | 0.5 | 105 | 0.00 |
| 78 | T | n-propylbenzene | 4.170 | 4.154 | 0.4 | 102 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.421 | 2.410 | 0.5 | 104 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.888 | 2.975 | -3.0 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.343 | 0.372 | -8.5 | 98 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.918 | 2.891 | 0.9 | 103 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.871 | 2.938 | -2.3 | 104 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.913 | 3.012 | -3.4 | 103 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.723 | 3.772 | -1.3 | 102 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.049 | 3.122 | -2.4 | 101 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.668 | 1.612 | 3.4 | 102 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.741 | 1.646 | 5.5 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 3.043 | 3.076 | -1.1 | 100 | 0.00 |
| 90 | T | Hexachloroethane | 0.497 | 0.536 | -7.8 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.588 | 1.576 | 0.8 | 100 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.289 | 0.317 | -9.7 | 98 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.101 | 1.021 | 7.3 | 98 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.470 | 0.427 | 9.1 | 95 | 0.00 |
| 95 | T | Naphthalene | 3.712 | 3.630 | 2.2 | 99 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.065 | 0.992 | 6.9 | 98 | 0.00 |

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