# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101722\
Data File : VX032160.D
Acq On : 17 Oct 2022 17:19
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX101722

Quant Time: Oct 18 04:20:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 04:18:35 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 | 79 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.551 | 0.605 | -9.8 | 99 | 0.00 |
| 3 | P | Chloromethane | 0.532 | 0.551 | -3.6 | 92 | 0.00 |
| 4 | C | Vinyl Chloride | 0.592 | 0.624 | -5.4# | 87 | 0.00 |
| 5 | T | Bromomethane | 0.438 | 0.491 | -12.1 | 96 | 0.00 |
| 6 | T | Chloroethane | 0.440 | 0.530 | -20.5 | 108 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.924 | 1.070 | -15.8 | 100 | 0.00 |
| 8 | T | Diethyl Ether | 0.306 | 0.357 | -16.7 | 100 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.437 | 0.474 | -8.5 | 91 | 0.00 |
| 10 | T | Methyl Iodide | 0.530 | 0.544 | -2.6 | 72 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.110 | 0.085 | 22.7 | 82 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.408 | 0.447 | -9.6# | 94 | 0.00 |
| 13 | T | Acrolein | 0.092 | 0.097 | -5.4 | 107 | 0.00 |
| 14 | T | Allyl chloride | 0.721 | 0.688 | 4.6 | 68 | 0.00 |
| 15 | T | Acrylonitrile | 0.263 | 0.246 | 6.5 | 78 | 0.00 |
| 16 | T | Acetone | 0.191 | 0.188 | 1.6 | 87 | 0.00 |
| 17 | T | Carbon Disulfide | 1.024 | 1.087 | -6.2 | 73 | 0.00 |
| 18 | T | Methyl Acetate | 0.780 | 0.677 | 13.2 | 70 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.694 | 1.571 | 7.3 | 72 | 0.00 |
| 20 | T | Methylene Chloride | 0.589 | 0.493 | 16.3 | 72 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.553 | 0.520 | 6.0 | 78 | 0.00 |
| 22 | T | Diisopropyl ether | 1.792 | 1.622 | 9.5 | 75 | 0.00 |
| 23 | T | Vinyl Acetate | 1.400 | 1.285 | 8.2 | 74 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.044 | 0.901 | 13.7 | 73 | 0.00 |
| 25 | T | 2-Butanone | 0.409 | 0.334 | 18.3 | 74 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.822 | 0.692 | 15.8 | 64 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.665 | 0.609 | 8.4 | 76 | 0.00 |
| 28 | T | Bromochloromethane | 0.427 | 0.348 | 18.5 | 71 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.245 | 0.222 | 9.4 | 78 | 0.00 |
| 30 | C | Chloroform | 1.143 | 1.028 | 10.1# | 73 | 0.00 |
| 31 | T | Cyclohexane | 0.887 | 0.857 | 3.4 | 78 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.985 | 0.903 | 8.3 | 71 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.796 | 0.933 | -17.2 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.341 | 0.264 | 22.6 | 78 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.494 | 0.480 | 2.8 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 0.495 | 0.349 | 29.5# | 78 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.523 | 0.500 | 4.4 | 90 | 0.00 |
| 39 | T | Methylcyclohexane | 0.592 | 0.608 | -2.7 | 100 | 0.00 |
| 40 | TM | Benzene | 1.381 | 1.374 | 0.5 | 100 | 0.00 |
| 41 | T | Methacrylonitrile | 0.255 | 0.188 | 26.3# | 74 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.578 | 0.573 | 0.9 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.746 | 0.748 | -0.3 | 100 | 0.00 |
| 44 | TM | Trichloroethene | 0.389 | 0.385 | 1.0 | 103 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.344 | 0.340 | 1.2# | 99 | 0.00 |
| 46 | T | Dibromomethane | 0.264 | 0.264 | 0.0 | 101 | 0.00 |
| 47 | T | Bromodichloromethane | 0.492 | 0.521 | -5.9 | 100 | 0.00 |
| 48 | T | Methyl methacrylate | 0.378 | 0.384 | -1.6 | 99 | 0.00 |

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MSVOA_X
**ClientSampleId :**
ICVVX101722

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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 | 0.008 | 0.007 | 12.5 | 106 | 0.01 |
| 50 | S | Toluene-d8 | 1.197 | 1.265 | -5.7 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.458 | 0.465 | -1.5 | 101 | 0.00 |
| 52 | CM | Toluene | 0.880 | 0.919 | -4.4# | 100 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.439 | 0.548 | -24.8 | 140 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.516 | 0.571 | -10.7 | 98 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.334 | 0.363 | -8.7 | 132 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.477 | 0.548 | -14.9 | 133 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.585 | 0.617 | -5.5 | 133 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.236 | 0.242 | -2.5 | 101 | 0.00 |
| 59 | T | 2-Hexanone | 0.339 | 0.355 | -4.7 | 135 | 0.00 |
| 60 | T | Dibromochloromethane | 0.345 | 0.395 | -14.5 | 137 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.361 | 0.390 | -8.0 | 132 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.456 | 0.506 | -11.0 | 117 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 130 | 0.00 |
| 64 | T | Tetrachloroethene | 0.416 | 0.415 | 0.2 | 131 | 0.00 |
| 65 | PM | Chlorobenzene | 1.099 | 1.060 | 3.5 | 129 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.381 | 0.397 | -4.2 | 133 | 0.00 |
| 67 | C | Ethyl Benzene | 1.931 | 1.968 | -1.9# | 133 | 0.00 |
| 68 | T | m/p-Xylenes | 0.740 | 0.753 | -1.8 | 128 | 0.00 |
| 69 | T | o-Xylene | 0.729 | 0.742 | -1.8 | 130 | 0.00 |
| 70 | T | Styrene | 1.177 | 1.225 | -4.1 | 127 | 0.00 |
| 71 | P | Bromoform | 0.268 | 0.290 | -8.2 | 130 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 73 | T | Isopropylbenzene | 3.781 | 3.795 | -0.4 | 127 | 0.00 |
| 74 | T | N-amyl acetate | 1.324 | 1.402 | -5.9 | 125 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.212 | 1.107 | 8.7 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.084 | 0.932 | 14.0 | 99 | 0.00 |
| 77 | T | Bromobenzene | 0.920 | 0.880 | 4.3 | 100 | 0.00 |
| 78 | T | n-propylbenzene | 4.530 | 4.480 | 1.1 | 99 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.798 | 2.673 | 4.5 | 100 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.337 | 3.278 | 1.8 | 97 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.282 | 0.305 | -8.2 | 119 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.261 | 3.131 | 4.0 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.283 | 3.089 | 5.9 | 98 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.358 | 3.268 | 2.7 | 98 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.108 | 4.090 | 0.4 | 99 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.420 | 3.479 | -1.7 | 98 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.779 | 1.709 | 3.9 | 98 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.816 | 1.731 | 4.7 | 98 | 0.00 |
| 89 | T | n-Butylbenzene | 2.820 | 3.118 | -10.6 | 97 | 0.00 |
| 90 | T | Hexachloroethane | 0.475 | 0.559 | -17.7 | 100 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.700 | 1.661 | 2.3 | 96 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.216 | 0.256 | -18.5 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.944 | 1.084 | -14.8 | 97 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.396 | 0.455 | -14.9 | 95 | 0.00 |
| 95 | T | Naphthalene | 3.154 | 3.573 | -13.3 | 99 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.945 | 1.069 | -13.1 | 97 | 0.00 |

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