# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101322\
Data File : VX032099.D
Acq On : 13 Oct 2022 10:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 14 07:48:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 14:28:46 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 | 111 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.744 | 0.773 | -3.9 | 112 | 0.00 |
| 3 | P | Chloromethane | 0.779 | 0.671 | 13.9 | 101 | 0.00 |
| 4 | C | Vinyl Chloride | 0.911 | 0.811 | 11.0# | 102 | 0.00 |
| 5 | T | Bromomethane | 0.689 | 0.573 | 16.8 | 105 | 0.00 |
| 6 | T | Chloroethane | 0.775 | 0.668 | 13.8 | 90 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.637 | 1.646 | -0.5 | 116 | 0.00 |
| 8 | T | Diethyl Ether | 0.558 | 0.538 | 3.6 | 105 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.827 | 0.842 | -1.8 | 116 | 0.00 |
| 10 | T | Methyl Iodide | 0.732 | 0.782 | -6.8 | 103 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.128 | 0.137 | -7.0 | 125 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 0.762 | 0.735 | 3.5# | 109 | 0.00 |
| 13 | T | Acrolein | 0.087 | 0.069 | 20.7 | 101 | 0.00 |
| 14 | T | Allyl chloride | 1.084 | 1.212 | -11.8 | 123 | 0.00 |
| 15 | T | Acrylonitrile | 0.410 | 0.410 | 0.0 | 113 | 0.00 |
| 16 | T | Acetone | 0.351 | 0.401 | -14.2 | 140 | 0.00 |
| 17 | T | Carbon Disulfide | 1.635 | 1.488 | 9.0 | 101 | 0.00 |
| 18 | T | Methyl Acetate | 1.158 | 1.255 | -8.4 | 122 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.556 | 2.803 | -9.7 | 121 | 0.00 |
| 20 | T | Methylene Chloride | 0.922 | 0.855 | 7.3 | 113 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.843 | 0.793 | 5.9 | 107 | 0.00 |
| 22 | T | Diisopropyl ether | 2.436 | 2.746 | -12.7 | 125 | 0.00 |
| 23 | T | Vinyl Acetate | 1.821 | 2.149 | -18.0 | 124 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.460 | 1.551 | -6.2 | 120 | 0.00 |
| 25 | T | 2-Butanone | 0.549 | 0.607 | -10.6 | 127 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.049 | 1.294 | -23.4 | 131 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 1.009 | 0.995 | 1.4 | 111 | 0.00 |
| 28 | T | Bromochloromethane | 0.625 | 0.672 | -7.5 | 118 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.354 | 0.353 | 0.3 | 113 | -0.01 |
| 30 | C | Chloroform | 1.627 | 1.769 | -8.7# | 122 | 0.00 |
| 31 | T | Cyclohexane | 1.234 | 1.254 | -1.6 | 113 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.382 | 1.568 | -13.5 | 122 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 1.033 | 1.148 | -11.1 | 134 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.566 | 0.592 | -4.6 | 119 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.751 | 0.810 | -7.9 | 119 | 0.00 |
| 37 | T | Ethyl Acetate | 0.707 | 0.781 | -10.5 | 121 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.767 | 0.888 | -15.8 | 119 | 0.00 |
| 39 | T | Methylcyclohexane | 0.895 | 0.954 | -6.6 | 114 | 0.00 |
| 40 | TM | Benzene | 2.198 | 2.254 | -2.5 | 112 | 0.00 |
| 41 | T | Methacrylonitrile | 0.367 | 0.440 | -19.9 | 128 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.801 | 0.957 | -19.5 | 131 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.072 | 1.297 | -21.0 | 127 | 0.00 |
| 44 | TM | Trichloroethene | 0.644 | 0.640 | 0.6 | 107 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.540 | 0.580 | -7.4# | 116 | 0.00 |
| 46 | T | Dibromomethane | 0.419 | 0.445 | -6.2 | 116 | 0.00 |
| 47 | T | Bromodichloromethane | 0.723 | 0.891 | -23.2 | 125 | 0.00 |
| 48 | T | Methyl methacrylate | 0.512 | 0.640 | -25.0 | 126 | 0.00 |

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

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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 | 0.013 | 0.012 | 7.7 | 101 | 0.00 |
| 50 | S | Toluene-d8 | 2.037 | 2.081 | -2.2 | 114 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.710 | 0.810 | -14.1 | 120 | 0.00 |
| 52 | CM | Toluene | 1.437 | 1.516 | -5.5# | 112 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.662 | 0.913 | -37.9# | 126 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.783 | 0.977 | -24.8 | 120 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.606 | 0.625 | -3.1 | 113 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.777 | 0.926 | -19.2 | 119 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.975 | 1.055 | -8.2 | 118 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.401 | 0.458 | -14.2 | 120 | 0.00 |
| 59 | T | 2-Hexanone | 0.524 | 0.624 | -19.1 | 126 | 0.00 |
| 60 | T | Dibromochloromethane | 0.555 | 0.682 | -22.9 | 117 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.610 | 0.658 | -7.9 | 113 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.720 | 0.847 | -17.6 | 126 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 64 | T | Tetrachloroethene | 0.564 | 0.579 | -2.7 | 110 | 0.00 |
| 65 | PM | Chlorobenzene | 1.515 | 1.483 | 2.1 | 111 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.524 | 0.580 | -10.7 | 119 | 0.00 |
| 67 | C | Ethyl Benzene | 2.563 | 2.730 | -6.5# | 117 | 0.00 |
| 68 | T | m/p-Xylenes | 1.018 | 1.044 | -2.6 | 112 | 0.00 |
| 69 | T | o-Xylene | 0.990 | 1.022 | -3.2 | 111 | 0.00 |
| 70 | T | Styrene | 1.583 | 1.718 | -8.5 | 114 | 0.00 |
| 71 | P | Bromoform | 0.343 | 0.420 | -22.4 | 116 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 73 | T | Isopropylbenzene | 3.771 | 3.845 | -2.0 | 117 | 0.00 |
| 74 | T | N-amyl acetate | 1.152 | 1.422 | -23.4 | 129 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.198 | 1.153 | 3.8 | 117 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.025 | 1.106 | -7.9 | 126 | 0.00 |
| 77 | T | Bromobenzene | 0.929 | 0.893 | 3.9 | 111 | 0.00 |
| 78 | T | n-propylbenzene | 4.289 | 4.545 | -6.0 | 121 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.581 | 2.683 | -4.0 | 122 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.128 | 3.362 | -7.5 | 121 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.244 | 0.316 | -29.5# | 130 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.956 | 3.222 | -9.0 | 125 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.096 | 3.189 | -3.0 | 116 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.177 | 3.327 | -4.7 | 120 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.832 | 4.217 | -10.0 | 124 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.227 | 3.665 | -13.6 | 126 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.769 | 1.789 | -1.1 | 117 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.821 | 1.812 | 0.5 | 117 | 0.00 |
| 89 | T | n-Butylbenzene | 2.702 | 3.291 | -21.8 | 134 | 0.00 |
| 90 | T | Hexachloroethane | 0.449 | 0.567 | -26.3# | 129 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.759 | 1.745 | 0.8 | 114 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.219 | 0.267 | -21.9 | 130 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.067 | 1.147 | -7.5 | 116 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.432 | 0.490 | -13.4 | 127 | 0.00 |
| 95 | T | Naphthalene | 3.657 | 3.796 | -3.8 | 112 | 0.00 |

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**LabSampleId :**
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Quant Title : SW846 8260
QLast Update : Thu Oct 06 14:28:46 2022
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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 | 1.083 | 1.117 | -3.1 | 115 | 0.00 |

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