# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
Data File : VX031335.D
Acq On : 15 Sep 2022 02:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Sep 15 06:10:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 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 | 60 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.540 | 0.557 | -3.1 | 62 | 0.00 |
| 3 | P | Chloromethane | 0.826 | 0.962 | -16.5 | 69 | 0.00 |
| 4 | C | Vinyl Chloride | 0.874 | 1.097 | -25.5# | 69 | 0.00 |
| 5 | T | Bromomethane | 0.655 | 0.853 | -30.2# | 76 | 0.00 |
| 6 | T | Chloroethane | 0.739 | 1.012 | -36.9# | 88 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.601 | 2.105 | -31.5# | 75 | 0.00 |
| 8 | T | Diethyl Ether | 0.696 | 0.821 | -18.0 | 74 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.757 | 0.806 | -6.5 | 63 | 0.00 |
| 10 | T | Methyl Iodide | 0.734 | 0.884 | -20.4 | 60 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.326 | 0.264 | 19.0 | 57 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.698 | 0.778 | -11.5# | 64 | 0.00 |
| 13 | T | Acrolein | 0.142 | 0.122 | 14.1 | 56 | 0.00 |
| 14 | T | Allyl chloride | 1.542 | 1.520 | 1.4 | 59 | 0.00 |
| 15 | T | Acrylonitrile | 0.566 | 0.593 | -4.8 | 63 | 0.00 |
| 16 | T | Acetone | 0.524 | 0.534 | -1.9 | 63 | 0.00 |
| 17 | T | Carbon Disulfide | 1.526 | 1.930 | -26.5# | 62 | 0.00 |
| 18 | T | Methyl Acetate | 1.554 | 1.589 | -2.3 | 62 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 3.233 | 3.330 | -3.0 | 61 | 0.00 |
| 20 | T | Methylene Chloride | 1.006 | 0.964 | 4.2 | 63 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.871 | 0.869 | 0.2 | 59 | 0.00 |
| 22 | T | Diisopropyl ether | 3.227 | 3.752 | -16.3 | 70 | 0.00 |
| 23 | T | Vinyl Acetate | 2.682 | 3.230 | -20.4 | 69 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.694 | 1.841 | -8.7 | 64 | 0.00 |
| 25 | T | 2-Butanone | 0.864 | 0.889 | -2.9 | 63 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.607 | 1.099 | 31.6# | 40# | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 1.028 | 1.061 | -3.2 | 62 | 0.00 |
| 28 | T | Bromochloromethane | 0.789 | 0.862 | -9.3 | 70 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.535 | 0.585 | -9.3 | 65 | 0.00 |
| 30 | C | Chloroform | 1.793 | 1.944 | -8.4# | 63 | 0.00 |
| 31 | T | Cyclohexane | 1.319 | 1.590 | -20.5 | 65 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.607 | 1.695 | -5.5 | 60 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 1.227 | 1.381 | -12.6 | 70 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 65 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.537 | 0.565 | -5.2 | 66 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.736 | 0.776 | -5.4 | 63 | 0.00 |
| 37 | T | Ethyl Acetate | 0.967 | 1.012 | -4.7 | 65 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.800 | 0.808 | -1.0 | 59 | 0.00 |
| 39 | T | Methylcyclohexane | 0.810 | 0.888 | -9.6 | 61 | 0.00 |
| 40 | TM | Benzene | 2.112 | 2.326 | -10.1 | 65 | 0.00 |
| 41 | T | Methacrylonitrile | 0.524 | 0.542 | -3.4 | 65 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.852 | 0.960 | -12.7 | 67 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.650 | 1.699 | -3.0 | 65 | 0.00 |
| 44 | TM | Trichloroethene | 0.539 | 0.546 | -1.3 | 60 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.578 | 0.615 | -6.4# | 64 | 0.00 |
| 46 | T | Dibromomethane | 0.410 | 0.428 | -4.4 | 63 | 0.00 |
| 47 | T | Bromodichloromethane | 0.853 | 0.883 | -3.5 | 62 | 0.00 |
| 48 | T | Methyl methacrylate | 0.751 | 0.778 | -3.6 | 65 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Sep 15 06:10:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 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 | 0.013 | 13.3 | 55 | 0.01 |
| 50 | S | Toluene-d8 | 2.016 | 2.333 | -15.7 | 73 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 1.003 | 1.110 | -10.7 | 69 | 0.00 |
| 52 | CM | Toluene | 1.336 | 1.597 | -19.5# | 68 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.960 | 0.993 | -3.4 | 62 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.987 | 0.964 | 2.3 | 59 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.590 | 0.623 | -5.6 | 64 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.955 | 1.073 | -12.4 | 67 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 1.014 | 1.103 | -8.8 | 66 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.445 | 0.449 | -0.9 | 61 | 0.00 |
| 59 | T | 2-Hexanone | 0.766 | 0.846 | -10.4 | 69 | 0.00 |
| 60 | T | Dibromochloromethane | 0.636 | 0.705 | -10.8 | 63 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.605 | 0.700 | -15.7 | 65 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.738 | 0.918 | -24.4 | 76 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 69 | 0.00 |
| 64 | T | Tetrachloroethene | 0.457 | 0.425 | 7.0 | 58 | 0.00 |
| 65 | PM | Chlorobenzene | 1.324 | 1.372 | -3.6 | 65 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.522 | 0.521 | 0.2 | 62 | 0.00 |
| 67 | C | Ethyl Benzene | 2.399 | 2.616 | -9.0# | 68 | 0.00 |
| 68 | T | m/p-Xylenes | 0.911 | 1.042 | -14.4 | 70 | 0.00 |
| 69 | T | o-Xylene | 0.925 | 0.999 | -8.0 | 68 | 0.00 |
| 70 | T | Styrene | 1.504 | 1.706 | -13.4 | 69 | 0.00 |
| 71 | P | Bromoform | 0.415 | 0.421 | -1.4 | 60 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 73 | T | Isopropylbenzene | 3.693 | 3.532 | 4.4 | 70 | 0.00 |
| 74 | T | N-amyl acetate | 1.836 | 1.772 | 3.5 | 75 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.327 | 1.218 | 8.2 | 72 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.260 | 1.140 | 9.5 | 69 | 0.00 |
| 77 | T | Bromobenzene | 0.842 | 0.786 | 6.7 | 64 | 0.00 |
| 78 | T | n-propylbenzene | 4.334 | 4.215 | 2.7 | 71 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.652 | 2.537 | 4.3 | 73 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.094 | 3.092 | 0.1 | 71 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.455 | 0.355 | 22.0 | 57 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.040 | 3.003 | 1.2 | 73 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.096 | 3.006 | 2.9 | 69 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.075 | 3.048 | 0.9 | 71 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.876 | 3.815 | 1.6 | 70 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.159 | 3.239 | -2.5 | 71 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.605 | 1.596 | 0.6 | 68 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.650 | 1.671 | -1.3 | 71 | 0.00 |
| 89 | T | n-Butylbenzene | 2.801 | 2.849 | -1.7 | 72 | 0.00 |
| 90 | T | Hexachloroethane | 0.631 | 0.602 | 4.6 | 68 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.634 | 1.615 | 1.2 | 70 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.351 | 0.292 | 16.8 | 67 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.885 | 0.824 | 6.9 | 62 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.345 | 0.290 | 15.9 | 59 | 0.00 |
| 95 | T | Naphthalene | 3.596 | 3.304 | 8.1 | 64 | 0.00 |

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**LabSampleId :**
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 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 | 0.948 | 0.843 | 11.1 | 61 | 0.00 |

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