Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021023\
Data File : VX034073.D
Acq On : 08 Feb 2023 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 08 13:19:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 03 23:25:45 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.467 | 3.1 | 91 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.840 | 12.3 | 86 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 42.576 | 14.8# | 83 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 42.851 | 14.3 | 86 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 44.939 | 10.1 | 86 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 46.177 | 7.6 | 90 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 42.926 | 14.1 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 45.597 | 8.8 | 89 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 39.330 | 21.3 | 74 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 232.405 | 7.0 | 94 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 43.466 | 13.1# | 85 | 0.00 |
| 13 | T | Acrolein | 250.000 | 215.148 | 13.9 | 85 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.337 | 11.3 | 85 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 221.283 | 11.5 | 87 | 0.00 |
| 16 | T | Acetone | 250.000 | 250.759 | -0.3 | 105 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.547 | 12.9 | 85 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.904 | 10.2 | 86 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 45.853 | 8.3 | 88 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 43.200 | 13.6 | 89 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 44.382 | 11.2 | 88 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 44.101 | 11.8 | 86 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 222.874 | 10.9 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 45.402 | 9.2 | 89 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 225.659 | 9.7 | 92 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.742 | 6.5 | 90 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 44.553 | 10.9 | 88 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.681 | 4.6 | 97 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 217.853 | 12.9 | 86 | 0.00 |
| 30 | C | Chloroform | 50.000 | 45.791 | 8.4# | 90 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 43.598 | 12.8 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.055 | 5.9 | 91 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.455 | -0.9 | 105 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.399 | -0.8 | 102 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 45.763 | 8.5 | 87 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 44.467 | 11.1 | 83 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.765 | 4.5 | 91 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 45.910 | 8.2 | 87 | 0.00 |
| 40 | TM | Benzene | 50.000 | 45.852 | 8.3 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 46.772 | 6.5 | 89 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.890 | 2.2 | 93 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 46.300 | 7.4 | 85 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 46.093 | 7.8 | 88 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 46.532 | 6.9# | 88 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 48.412 | 3.2 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 49.001 | 2.0 | 91 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 47.248 | 5.5 | 87 | 0.00 |

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

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

Quant Time: Feb 08 13:19:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 03 23:25:45 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1039.326 | -3.9 | 101 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.848 | 0.3 | 100 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 231.903 | 7.2 | 86 | 0.00 |
| 52 | CM | Toluene | 50.000 | 46.634 | 6.7# | 89 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.731 | 0.5 | 90 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.632 | 2.7 | 88 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 46.894 | 6.2 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 48.186 | 3.6 | 87 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 47.225 | 5.5 | 89 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 233.874 | 6.5 | 87 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 239.728 | 4.1 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.483 | 1.0 | 91 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 47.582 | 4.8 | 90 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.420 | -4.8 | 106 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 45.293 | 9.4 | 90 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 46.219 | 7.6 | 89 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.172 | 3.7 | 91 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 46.804 | 6.4# | 90 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 92.857 | 7.1 | 89 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 47.228 | 5.5 | 90 | 0.00 |
| 70 | T | Styrene | 50.000 | 48.236 | 3.5 | 91 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.459 | -0.9 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 45.396 | 9.2 | 90 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 45.953 | 8.1 | 87 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 43.681 | 12.6 | 90 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 41.988 | 16.0 | 91 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 45.310 | 9.4 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 45.924 | 8.2 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 44.794 | 10.4 | 91 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 46.253 | 7.5 | 92 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 45.354 | 9.3 | 88 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 45.692 | 8.6 | 91 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 45.698 | 8.6 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 45.874 | 8.3 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 46.364 | 7.3 | 91 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 46.687 | 6.6 | 92 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 45.198 | 9.6 | 92 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.247 | 9.5 | 94 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 47.363 | 5.3 | 92 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.059 | 3.9 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 44.920 | 10.2 | 91 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.219 | 5.6 | 92 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 48.519 | 3.0 | 96 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 46.027 | 7.9 | 97 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 47.044 | 5.9 | 91 | 0.00 |

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Acq On : 08 Feb 2023 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 08 13:19:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 03 23:25:45 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.435 | 7.1 | 94 | 0.00 |

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