Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
Data File : VX035052.D
Acq On : 12 Apr 2023 17:47
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Apr 13 02:38:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 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 | 96 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 50.658 | -1.3 | 107 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 44.538 | 10.9 | 92 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.775 | 6.5# | 97 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 41.504 | 17.0 | 86 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 40.498 | 19.0 | 85 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 41.845 | 16.3 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.452 | 1.1 | 103 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 52.064 | -4.1 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.269 | 1.5 | 97 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 244.635 | 2.1 | 97 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.285 | 1.4# | 102 | 0.00 |
| 13 | T | Acrolein | 250.000 | 315.674 | -26.3# | 128 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.794 | -1.6 | 104 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 277.099 | -10.8 | 111 | 0.00 |
| 16 | T | Acetone | 250.000 | 252.615 | -1.0 | 103 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 41.337 | 17.3 | 82 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 56.365 | -12.7 | 115 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.233 | -6.5 | 109 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 49.890 | 0.2 | 106 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.975 | 0.0 | 102 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.804 | -3.6 | 106 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 266.663 | -6.7 | 103 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.414 | -2.8 | 105 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 265.342 | -6.1 | 105 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.121 | 1.8 | 98 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.197 | -2.4 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.065 | 1.9 | 99 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 271.584 | -8.6 | 108 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.963 | -1.9# | 103 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.266 | 1.5 | 98 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.617 | -3.2 | 102 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.279 | 3.4 | 93 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.549 | -3.1 | 101 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.081 | 1.8 | 100 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 54.359 | -8.7 | 106 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.787 | -3.6 | 102 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.282 | 5.4 | 96 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.504 | -1.0 | 103 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.602 | -11.2 | 108 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.450 | 1.1 | 100 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 54.351 | -8.7 | 107 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.756 | -5.5 | 107 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.362 | -4.7# | 106 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.661 | -1.3 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.596 | -5.2 | 102 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 55.243 | -10.5 | 108 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Apr 13 02:38:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 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 | 964.786 | 3.5 | 96 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.822 | -1.6 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 276.642 | -10.7 | 109 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.735 | 0.5# | 105 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 54.198 | -8.4 | 100 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.620 | -9.2 | 102 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.776 | -7.6 | 107 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 57.031 | -14.1 | 108 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.916 | -5.8 | 107 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 274.016 | -9.6 | 105 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 274.256 | -9.7 | 105 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.308 | -10.6 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.759 | -7.5 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.208 | -2.4 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.815 | 2.4 | 102 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.033 | -4.1 | 106 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.741 | -11.5 | 106 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.737 | -3.5# | 104 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.153 | -2.2 | 104 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.862 | -3.7 | 105 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.626 | -9.3 | 106 | 0.00 |
| 71 | P | Bromoform | 50.000 | 57.148 | -14.3 | 105 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.206 | -6.4 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 56.851 | -13.7 | 104 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.615 | -9.2 | 108 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.326 | 11.3 | 87 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.704 | -5.4 | 107 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.303 | -2.6 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.889 | -3.8 | 102 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.388 | -4.8 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.854 | -7.7 | 100 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.050 | -2.1 | 100 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.901 | -5.8 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.819 | -3.6 | 101 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.743 | -3.5 | 101 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.841 | -5.7 | 101 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.630 | -7.3 | 105 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.618 | -3.2 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.809 | -3.6 | 99 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 52.324 | -4.6 | 94 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.519 | -7.0 | 106 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 58.258 | -16.5 | 103 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 55.820 | -11.6 | 106 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.184 | -0.4 | 107 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 59.303 | -18.6 | 112 | 0.00 |

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Sample : VSTDCCC050
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ALS Vial : 20 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 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 | 55.295 | -10.6 | 107 | 0.00 |

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