Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082120\
Data File : VW016295.D
Acq On : 21 Aug 2020 06:15
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

**Instrument :** MSVOA_W
**LabSampleId :** VSTDCCC050

Quant Time: Aug 21 08:23:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 08:01:41 2020
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 | 91 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.164 | 3.7 | 98 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.265 | 3.5 | 99 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.091 | 7.8# | 90 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 53.859 | -7.7 | 106 | -0.01 |
| 6 | T | Chloroethane | 50.000 | 50.646 | -1.3 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 58.302 | -16.6 | 114 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 56.967 | -13.9 | 107 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.165 | 5.7 | 93 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 56.648 | -13.3 | 110 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 356.447 | -42.6# | 127 | -0.08 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.712 | -1.4# | 99 | 0.00 |
| 13 | T | Acrolein | 250.000 | 251.544 | -0.6 | 92 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.022 | -4.0 | 99 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 298.634 | -19.5 | 103 | -0.02 |
| 16 | T | Acetone | 250.000 | 247.529 | 1.0 | 80 | -0.04 |
| 17 | T | Carbon Disulfide | 50.000 | 50.599 | -1.2 | 98 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 71.965 | -43.9# | 132 | -0.02 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 65.207 | -30.4# | 113 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 68.843 | -37.7# | 124 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 53.264 | -6.5 | 101 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 55.745 | -11.5 | 102 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 263.087 | -5.2 | 90 | -0.01 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 54.097 | -8.2 | 105 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 279.576 | -11.8 | 95 | -0.01 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.282 | 3.4 | 96 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 56.952 | -13.9 | 109 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.901 | -5.8 | 93 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 305.145 | -22.1 | 103 | -0.02 |
| 30 | C | Chloroform | 50.000 | 54.075 | -8.2# | 105 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.788 | 6.4 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.359 | -8.7 | 104 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 52.172 | -4.3 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.540 | 0.9 | 92 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.353 | 1.3 | 101 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.551 | -5.1 | 96 | -0.01 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.707 | 0.6 | 103 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.538 | 0.9 | 98 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.283 | -0.6 | 103 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.247 | -10.5 | 100 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 52.830 | -5.7 | 105 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 54.454 | -8.9 | 101 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.612 | -1.2 | 106 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.356 | -0.7# | 102 | 0.00 |

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ALS Vial : 33 Sample Multiplier: 1

**Instrument :** MSVOA_W
**LabSampleId :** VSTDCCC050

Quant Time: Aug 21 08:23:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 08:01:41 2020
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) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 50.000 | 53.020 | -6.0 | 104 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.336 | -6.7 | 108 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 56.482 | -13.0 | 102 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 1297.034 | -29.7# | 112 | -0.03 |
| 50 | S | Toluene-d8 | 50.000 | 50.198 | -0.4 | 92 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 279.857 | -11.9 | 102 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.437 | -2.9# | 103 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 54.609 | -9.2 | 104 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.605 | -5.2 | 102 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.164 | -6.3 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 60.271 | -20.5 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.772 | -7.5 | 105 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 259.397 | -3.8 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 280.477 | -12.2 | 98 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.127 | -10.3 | 108 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.173 | -8.3 | 105 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.444 | -0.9 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 57.440 | -14.9 | 117 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.576 | -5.2 | 109 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.297 | -10.6 | 111 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.374 | -4.7# | 103 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.454 | -4.5 | 104 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.974 | -9.9 | 107 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.490 | -9.0 | 105 | 0.00 |
| 71 | P | Bromoform | 50.000 | 59.530 | -19.1 | 112 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 56.660 | -13.3 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 55.299 | -10.6 | 95 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 56.535 | -13.1 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.628 | -7.3 | 98 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 56.769 | -13.5 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.883 | -7.8 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 55.795 | -11.6 | 105 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 55.472 | -10.9 | 103 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 55.565 | -11.1 | 95 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 54.219 | -8.4 | 102 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 57.768 | -15.5 | 105 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.652 | -11.3 | 102 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 54.296 | -8.6 | 101 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.225 | -10.5 | 101 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.407 | -6.8 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 54.059 | -8.1 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.487 | -5.0 | 96 | 0.00 |

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**LabSampleId :**
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 90 | T | Hexachloroethane | 50.000 | 55.881 | -11.8 | 107 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.637 | -7.3 | 103 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 58.389 | -16.8 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 56.742 | -13.5 | 103 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 53.135 | -6.3 | 105 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 55.548 | -11.1 | 106 | 0.00 |
| 96 | T | 1,2,3-Trichlorobenzene | 50.000 | 60.973 | -21.9 | 106 | 0.00 |

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