# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011320\
Data File : VW014613.D
Acq On : 13 Jan 2020 10:02
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 14 12:20:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 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 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.032 | 9.9 | 93 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 44.215 | 11.6 | 101 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 49.211 | 1.6# | 101 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.773 | 2.5 | 99 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.542 | 0.9 | 99 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.114 | -2.2 | 101 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 45.224 | 9.6 | 88 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.855 | 0.3 | 99 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.078 | 3.8 | 95 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 197.583 | 21.0 | 73 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.824 | 2.4# | 97 | 0.00 |
| 13 | T | Acrolein | 250.000 | 234.851 | 6.1 | 85 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.231 | 1.5 | 96 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 218.894 | 12.4 | 80 | 0.00 |
| 16 | T | Acetone | 250.000 | 236.159 | 5.5 | 90 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.173 | 5.7 | 94 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 41.729 | 16.5 | 77 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 48.633 | 2.7 | 92 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 49.118 | 1.8 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.085 | 3.8 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 48.960 | 2.1 | 96 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 231.841 | 7.3 | 85 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.623 | 2.8 | 97 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 217.181 | 13.1 | 78 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.615 | 2.8 | 101 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.670 | 2.7 | 96 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 48.684 | 2.6 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 205.219 | 17.9 | 74 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.412 | 3.2# | 96 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.525 | 7.0 | 96 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.423 | 1.2 | 97 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.015 | 10.0 | 87 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.227 | 3.5 | 92 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.629 | 0.7 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 43.924 | 12.2 | 78 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.587 | -1.2 | 98 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.698 | 0.6 | 96 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.235 | 1.5 | 96 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 49.402 | 1.2 | 89 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.298 | 5.4 | 91 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 44.290 | 11.4 | 80 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.668 | 0.7 | 98 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.237 | 1.5# | 95 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 14 12:20:08 2020
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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 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 | 46.598 | 6.8 | 87 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 49.810 | 0.4 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 44.044 | 11.9 | 78 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 879.767 | 12.0 | 76 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.986 | 4.0 | 93 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 218.301 | 12.7 | 77 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.284 | 1.4# | 95 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.645 | 2.7 | 90 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.141 | 1.7 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.371 | 5.3 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 46.967 | 6.1 | 82 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 46.613 | 6.8 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 271.241 | -8.5 | 96 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 233.937 | 6.4 | 80 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.281 | 3.4 | 91 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 46.053 | 7.9 | 86 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.176 | 5.6 | 91 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.613 | 0.8 | 96 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.647 | 0.7 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.948 | -1.9 | 96 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.978 | -2.0# | 96 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 101.848 | -1.8 | 96 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.991 | -2.0 | 97 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.407 | -2.8 | 95 | 0.00 |
| 71 | P | Bromoform | 50.000 | 47.279 | 5.4 | 86 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.696 | -3.4 | 97 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 45.725 | 8.5 | 79 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.058 | 9.9 | 81 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.629 | 2.7 | 82 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.621 | 0.8 | 93 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.774 | -3.5 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.256 | -0.5 | 95 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.246 | -2.5 | 96 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.248 | 5.5 | 81 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.618 | -1.2 | 96 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.806 | -3.6 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.045 | -2.1 | 96 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.760 | -3.5 | 97 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.598 | -5.2 | 98 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.952 | 0.1 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.518 | 1.0 | 94 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.805 | -5.6 | 97 | 0.00 |

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 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) |
|---|---|---|---|---|---|---|---|
| 90 | T | Hexachloroethane | 50.000 | 52.539 | -5.1 | 99 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.718 | 0.6 | 94 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.229 | 11.5 | 78 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.678 | -3.4 | 92 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.068 | -2.1 | 97 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.445 | 3.1 | 79 | 0.00 |
| 96 | T | 1,2,3-Trichlorobenzene | 50.000 | 49.826 | 0.3 | 88 | 0.00 |

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