# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD112519\
Data File : VD064352.D
Acq On : 25 Nov 2019 10:50
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**LabSampleId :** VSTDCCC050

Quant Time: Nov 26 05:43:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 63 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 41.106 | 17.8 | 51 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.135 | 3.7 | 60 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 58.341 | -16.7# | 71 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 62.073 | -24.1# | 75 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 62.574 | -25.1# | 75 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 62.684 | -25.4# | 76 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.072 | 1.9 | 60 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 53.299 | -6.6 | 67 | -0.01 |
| 10 | T | Methyl Iodide | 50.000 | 50.591 | -1.2 | 60 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 221.413 | 11.4 | 53 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.310 | -2.6# | 63 | 0.00 |
| 13 | T | Acrolein | 250.000 | 275.396 | -10.2 | 58 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.930 | 4.1 | 57 | -0.01 |
| 15 | T | Acrylonitrile | 250.000 | 254.896 | -2.0 | 63 | 0.00 |
| 16 | T | Acetone | 250.000 | 287.313 | -14.9 | 67 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.210 | 7.6 | 55 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 48.203 | 3.6 | 61 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.306 | 1.4 | 60 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 45.335 | 9.3 | 60 | -0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.504 | -1.0 | 62 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.267 | -0.5 | 61 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 254.840 | -1.9 | 60 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.678 | -3.4 | 62 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 253.032 | -1.2 | 61 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.806 | -1.6 | 62 | -0.01 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.700 | -3.4 | 63 | -0.01 |
| 28 | T | Bromochloromethane | 50.000 | 54.897 | -9.8 | 63 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 242.330 | 3.1 | 59 | 0.00 |
| 30 | C | Chloroform | 50.000 | 53.001 | -6.0# | 64 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.727 | 4.5 | 62 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.354 | -4.7 | 64 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.597 | 4.8 | 55 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 62 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.589 | -1.2 | 57 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 52.934 | -5.9 | 63 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.822 | 4.4 | 58 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 55.084 | -10.2 | 65 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 51.837 | -3.7 | 62 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.836 | -5.7 | 62 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 48.519 | 3.0 | 55 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.734 | -1.5 | 61 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 48.730 | 2.5 | 58 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.802 | -5.6 | 63 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.663 | -5.3# | 63 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**LabSampleId :** VSTDCCC050

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 50.000 | 53.010 | -6.0 | 63 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.614 | -7.2 | 64 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 45.222 | 9.6 | 55 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 1056.351 | -5.6 | 65 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.394 | -0.8 | 56 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 249.359 | 0.3 | 60 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.748 | -5.5# | 63 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.514 | -1.0 | 60 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.328 | -2.7 | 61 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.019 | -6.0 | 63 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.992 | 0.0 | 60 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.838 | -3.7 | 62 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 235.873 | 5.7 | 56 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 260.287 | -4.1 | 62 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.065 | -4.1 | 63 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.402 | -4.8 | 62 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.021 | 6.0 | 54 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 62 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.765 | -3.5 | 61 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.783 | -5.6 | 63 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.605 | -7.2 | 64 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.255 | -8.5# | 65 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 107.611 | -7.6 | 63 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.177 | -6.4 | 63 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.565 | -7.1 | 63 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.295 | -4.6 | 62 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 63 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.858 | -5.7 | 64 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 47.394 | 5.2 | 59 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.372 | -2.7 | 63 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 45.989 | 8.0 | 56 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.474 | -2.9 | 62 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 54.336 | -8.7 | 66 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.739 | -3.5 | 63 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.897 | -5.8 | 65 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.007 | 2.0 | 60 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.788 | -3.6 | 63 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.870 | -5.7 | 64 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.170 | -6.3 | 65 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 54.063 | -8.1 | 65 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.987 | -8.0 | 66 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.259 | -6.5 | 66 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.245 | -6.5 | 64 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.235 | -8.5 | 65 | 0.00 |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

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|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 50.000 | 53.913 | -7.8 | 66 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 53.175 | -6.3 | 64 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.333 | 9.3 | 57 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 52.903 | -5.8 | 64 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 54.147 | -8.3 | 65 | 0.00 |
| 95 T | Naphthalene | 50.000 | 51.426 | -2.9 | 63 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.289 | -6.6 | 65 | 0.00 |

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