# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD082820\
Data File : VD066472.D
Acq On : 28 Aug 2020 20:53
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Aug 29 02:16:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
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 | 65 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 42.575 | 14.8 | 59 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.272 | 13.5 | 61 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.368 | 7.3# | 63 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 52.196 | -4.4 | 72 | -0.02 |
| 6 | T | Chloroethane | 50.000 | 48.829 | 2.3 | 66 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.024 | 2.0 | 66 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.906 | 0.2 | 67 | -0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 43.399 | 13.2 | 59 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.328 | 9.3 | 56 | -0.01 |
| 11 | T | Tert butyl alcohol | 250.000 | 256.517 | -2.6 | 67 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 44.432 | 11.1# | 59 | 0.00 |
| 13 | T | Acrolein | 250.000 | 217.341 | 13.1 | 58 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.056 | 11.9 | 58 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 262.969 | -5.2 | 69 | 0.00 |
| 16 | T | Acetone | 250.000 | 214.429 | 14.2 | 56 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 42.561 | 14.9 | 56 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 50.983 | -2.0 | 68 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 56.602 | -13.2 | 73 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 50.355 | -0.7 | 65 | -0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.096 | 5.8 | 64 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 46.812 | 6.4 | 60 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 241.324 | 3.5 | 60 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.893 | 2.2 | 65 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 239.102 | 4.4 | 63 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 47.030 | 5.9 | 61 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.843 | -1.7 | 67 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.355 | -4.7 | 67 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 238.653 | 4.5 | 61 | 0.00 |
| 30 | C | Chloroform | 50.000 | 53.368 | -6.7# | 69 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 37.873 | 24.3# | 53 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.208 | -4.4 | 68 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 57.973 | -15.9 | 75 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 67 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.231 | -2.5 | 67 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 44.489 | 11.0 | 60 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.492 | -1.0 | 67 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.681 | -3.4 | 69 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 43.789 | 12.4 | 56 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.974 | 2.1 | 64 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.891 | -9.8 | 67 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 56.729 | -13.5 | 75 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.711 | -1.4 | 66 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.220 | 1.6 | 66 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 46.121 | 7.8# | 61 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Aug 29 02:16:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
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 | 52.645 | -5.3 | 69 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.773 | -9.5 | 72 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.957 | 0.1 | 68 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 1043.648 | -4.4 | 64 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.021 | -2.0 | 66 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 254.682 | -1.9 | 65 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.305 | -0.6# | 65 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.228 | -4.5 | 68 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.179 | -0.4 | 65 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.029 | -2.1 | 68 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.582 | -7.2 | 67 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.025 | -0.0 | 66 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 267.129 | -6.9 | 68 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 251.985 | -0.8 | 62 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.303 | -4.6 | 70 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.507 | -3.0 | 69 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.521 | -3.0 | 68 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 69 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.585 | -1.2 | 70 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.368 | 1.3 | 67 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.605 | -3.2 | 71 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 48.568 | 2.9# | 65 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 97.492 | 2.5 | 65 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.210 | -0.4 | 69 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.300 | -0.6 | 68 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.346 | -6.7 | 73 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 70 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.316 | 3.4 | 66 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 47.619 | 4.8 | 63 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.916 | 6.2 | 65 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.167 | -6.3 | 74 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.509 | -1.0 | 69 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 46.666 | 6.7 | 64 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.765 | 2.5 | 68 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.373 | 1.3 | 67 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.197 | 11.6 | 59 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.137 | 3.7 | 66 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.738 | 2.5 | 67 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.728 | -1.5 | 70 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 46.779 | 6.4 | 64 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.254 | 3.5 | 66 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.927 | 2.1 | 68 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.249 | 3.5 | 68 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 45.133 | 9.7 | 61 | 0.00 |

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

Quant Time: Aug 29 02:16:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
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) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 50.000 | 46.792 | 6.4 | 66 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 50.677 | -1.4 | 71 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 56.350 | -12.7 | 82 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 49.804 | 0.4 | 68 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 47.869 | 4.3 | 65 | 0.00 |
| 95 T | Naphthalene | 50.000 | 54.497 | -9.0 | 72 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.229 | -4.5 | 70 | 0.00 |

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