Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
Data File : VD068293.D
Acq On : 04 Feb 2021 22:45
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Feb 05 00:08:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
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 | 50 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 41.203 | 17.6 | 42 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 54.734 | -9.5 | 57 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 54.226 | -8.5# | 54 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 55.609 | -11.2 | 57 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 60.808 | -21.6 | 60 | -0.01 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.172 | 5.7 | 48 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 56.233 | -12.5 | 56 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.259 | 1.5 | 49 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.285 | 3.4 | 47 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 187.850 | 24.9 | 41 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.519 | 1.0# | 49 | -0.01 |
| 13 | T | Acrolein | 250.000 | 240.415 | 3.8 | 51 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.680 | -1.4 | 50 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 318.706 | -27.5# | 61 | 0.00 |
| 16 | T | Acetone | 250.000 | 260.939 | -4.4 | 51 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.028 | 3.9 | 48 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 68.915 | -37.8# | 68 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 56.081 | -12.2 | 54 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 60.110 | -20.2 | 58 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 53.487 | -7.0 | 53 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 57.114 | -14.2 | 56 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 284.509 | -13.8 | 54 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 56.821 | -13.6 | 56 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 285.585 | -14.2 | 57 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.175 | 7.7 | 46 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 56.352 | -12.7 | 55 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 56.274 | -12.5 | 61 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 296.470 | -18.6 | 58 | 0.00 |
| 30 | C | Chloroform | 50.000 | 58.420 | -16.8# | 58 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 44.026 | 11.9 | 45 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.615 | -5.2 | 52 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.295 | -2.6 | 55 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 55 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.114 | 1.8 | 55 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.344 | 5.3 | 52 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.175 | -4.3 | 56 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 46.711 | 6.6 | 50 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 42.815 | 14.4 | 46 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.805 | -3.6 | 56 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 58.559 | -17.1 | 60 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.918 | -7.8 | 58 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.363 | -0.7 | 54 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.478 | 1.0 | 53 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.500 | -7.0# | 57 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 56.088 | -12.2 | 59 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.775 | -7.5 | 57 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.041 | 3.9 | 50 | 0.00 |

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Sample : VSTDCCC050
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ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Feb 05 00:08:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
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 | 1070.716 | -7.1 | 57 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 44.018 | 12.0 | 53 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 276.539 | -10.6 | 58 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.268 | -2.5# | 55 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.660 | -1.3 | 54 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.761 | -1.5 | 55 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.903 | -11.8 | 60 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.074 | -4.1 | 55 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 55.893 | -11.8 | 59 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 274.450 | -9.8 | 63 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 264.332 | -5.7 | 57 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.982 | -6.0 | 57 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.892 | -7.8 | 57 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 45.377 | 9.2 | 52 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 57 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 45.149 | 9.7 | 51 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.495 | -1.0 | 56 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.493 | -3.0 | 56 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.116 | 1.8# | 55 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 97.226 | 2.8 | 54 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.077 | 1.8 | 55 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.217 | -0.4 | 55 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.829 | -1.7 | 56 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 58 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 46.957 | 6.1 | 54 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 46.591 | 6.8 | 53 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.980 | -8.0 | 61 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 54.461 | -8.9 | 57 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.434 | 3.1 | 55 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 47.265 | 5.5 | 55 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.973 | 4.1 | 55 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 47.038 | 5.9 | 54 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 46.007 | 8.0 | 52 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.179 | 3.6 | 56 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 46.584 | 6.8 | 53 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 47.422 | 5.2 | 55 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 46.525 | 7.0 | 54 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 46.117 | 7.8 | 53 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.795 | 0.4 | 57 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.401 | 1.2 | 57 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 45.441 | 9.1 | 52 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.466 | 5.1 | 53 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.454 | -0.9 | 57 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.909 | 2.2 | 56 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.878 | 4.2 | 54 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 45.475 | 9.0 | 52 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.701 | -3.4 | 59 | 0.00 |

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 49.610 | 0.8 | 56 | 0.00 |

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