Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
Data File : VD069642.D
Acq On : 08 Jul 2021 21:18
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jul 09 01:06:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 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 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 39.304 | 21.4 | 73 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 41.518 | 17.0 | 75 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 40.176 | 19.6# | 70 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.202 | 3.6 | 83 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 43.432 | 13.1 | 76 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 45.792 | 8.4 | 81 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.084 | -4.2 | 90 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.425 | 7.2 | 85 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 44.499 | 11.0 | 79 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 330.038 | -32.0# | 116 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.054 | 3.9# | 83 | 0.00 |
| 13 | T | Acrolein | 250.000 | 123.702 | 50.5# | 40 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 55.197 | -10.4 | 94 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 285.547 | -14.2 | 99 | 0.00 |
| 16 | T | Acetone | 250.000 | 211.800 | 15.3 | 74 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 45.350 | 9.3 | 77 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 57.516 | -15.0 | 105 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.431 | -6.9 | 90 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 62.735 | -25.5# | 108 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.693 | -1.4 | 87 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 60.146 | -20.3 | 99 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 254.524 | -1.8 | 91 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.479 | -7.0 | 95 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 265.610 | -6.2 | 90 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.303 | 3.4 | 86 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 53.116 | -6.2 | 91 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 59.571 | -19.1 | 106 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 288.211 | -15.3 | 95 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.740 | -5.5# | 95 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 45.021 | 10.0 | 80 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.013 | -2.0 | 90 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.094 | -0.2 | 95 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.874 | -3.7 | 99 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.130 | 3.7 | 84 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.152 | -6.3 | 92 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.002 | 6.0 | 84 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 45.952 | 8.1 | 77 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.944 | -3.9 | 93 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.015 | -6.0 | 109 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.988 | -2.0 | 93 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.616 | -7.2 | 94 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.561 | 0.9 | 89 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 55.066 | -10.1# | 98 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.387 | -4.8 | 95 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.351 | -2.7 | 94 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 53.454 | -6.9 | 94 | 0.00 |

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ALS Vial : 22 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
Quant Title : SW846 8260
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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 | 1035.623 | -3.6 | 89 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.449 | -2.9 | 97 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 282.826 | -13.1 | 97 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.516 | -7.0# | 93 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.343 | -0.7 | 89 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.708 | -1.4 | 91 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.250 | -6.5 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.773 | 0.5 | 92 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.123 | -8.2 | 98 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 263.826 | -5.5 | 98 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 276.441 | -10.6 | 92 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.869 | -5.7 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.706 | -3.4 | 91 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 54.381 | -8.8 | 100 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 45.733 | 8.5 | 86 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.660 | 0.7 | 94 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.685 | 0.6 | 94 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.759 | -1.5# | 91 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.486 | -4.5 | 92 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.782 | -5.6 | 91 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.242 | -8.5 | 94 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.422 | 1.2 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.237 | -2.5 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 52.355 | -4.7 | 94 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.898 | -1.8 | 97 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.054 | -0.1 | 93 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.619 | -1.2 | 93 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.497 | -3.0 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.807 | -3.6 | 94 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.037 | -4.1 | 91 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 45.443 | 9.1 | 86 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.334 | -2.7 | 93 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 45.854 | 8.3 | 85 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.194 | -6.4 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.398 | -0.8 | 88 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.066 | -2.1 | 87 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.745 | 0.5 | 93 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.575 | 2.8 | 92 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.376 | 1.2 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.923 | 4.2 | 91 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.343 | -0.7 | 94 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.384 | 5.2 | 96 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 50.596 | -1.2 | 90 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 45.326 | 9.3 | 84 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 46.816 | 6.4 | 91 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.348 | -0.7 | 90 | 0.00 |

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