Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010421\
Data File : VD067986.D
Acq On : 04 Jan 2021 10:48
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: Jan 05 00:06:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 23 07:34:16 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 | 95 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 55.702 | -11.4 | 109 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 41.181 | 17.6 | 87 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.779 | 10.4# | 92 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.484 | 3.0 | 94 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 43.786 | 12.4 | 92 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 52.921 | -5.8 | 110 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 47.000 | 6.0 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.661 | -1.3 | 105 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.914 | 4.2 | 95 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 272.517 | -9.0 | 106 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.246 | 1.5# | 100 | 0.00 |
| 13 | T | Acrolein | 250.000 | 233.811 | 6.5 | 93 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 45.240 | 9.5 | 89 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 226.522 | 9.4 | 93 | 0.00 |
| 16 | T | Acetone | 250.000 | 295.884 | -18.4 | 129 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.785 | 6.4 | 93 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 43.887 | 12.2 | 90 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.439 | 1.1 | 97 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 45.938 | 8.1 | 89 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.711 | 4.6 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 45.533 | 8.9 | 88 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 238.591 | 4.6 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 45.447 | 9.1 | 93 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 235.579 | 5.8 | 96 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 52.037 | -4.1 | 108 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.052 | 5.9 | 93 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 45.027 | 9.9 | 87 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 229.188 | 8.3 | 92 | 0.00 |
| 30 | C | Chloroform | 50.000 | 47.611 | 4.8# | 95 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.013 | 8.0 | 98 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.603 | 2.8 | 100 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 44.940 | 10.1 | 96 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 89 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.513 | -3.0 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 52.701 | -5.4 | 98 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.391 | 5.2 | 88 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 55.263 | -10.5 | 107 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 55.752 | -11.5 | 107 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.964 | 0.1 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 52.233 | -4.5 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.362 | -0.7 | 97 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 48.795 | 2.4 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.436 | -4.9 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.587 | 0.8# | 93 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.103 | -4.2 | 99 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.057 | -2.1 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.603 | 2.8 | 88 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 1061.069 | -6.1 | 98 | -0.01 |

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ALS Vial : 2 Sample Multiplier: 1

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

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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) |
|---|---|---|---|---|---|---|---|
| 50 | S | Toluene-d8 | 50.000 | 49.576 | 0.8 | 97 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 251.432 | -0.6 | 91 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.123 | -4.2# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.003 | -6.0 | 98 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.451 | -2.9 | 96 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.968 | -3.9 | 99 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.487 | -9.0 | 97 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.972 | -1.9 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 285.501 | -14.2 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 282.012 | -12.8 | 103 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 51.613 | -3.2 | 98 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.138 | -0.3 | 95 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.520 | -1.0 | 98 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.006 | -0.0 | 97 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.825 | -1.7 | 96 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.825 | -3.7 | 97 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.170 | -6.3# | 97 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 106.773 | -6.8 | 97 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.570 | -5.1 | 95 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.361 | -6.7 | 95 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.967 | -3.9 | 96 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.693 | -9.4 | 102 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.682 | 0.6 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.595 | 2.8 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.432 | -6.9 | 97 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.943 | -5.9 | 97 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 54.153 | -8.3 | 100 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.462 | -4.9 | 97 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 54.780 | -9.6 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.599 | -7.2 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.566 | -5.1 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 56.236 | -12.5 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 54.665 | -9.3 | 99 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 55.134 | -10.3 | 103 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 56.692 | -13.4 | 104 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.990 | -2.0 | 97 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.879 | -1.8 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 56.280 | -12.6 | 104 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.311 | -8.6 | 103 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.520 | -5.0 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.542 | 8.9 | 96 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 56.288 | -12.6 | 107 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 56.210 | -12.4 | 111 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 55.551 | -11.1 | 101 | 0.00 |
| 96 | T | 1,2,3-Trichlorobenzene | 50.000 | 57.248 | -14.5 | 110 | 0.00 |

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| Compound | Amount | Calc. | %Dev Area% | Dev(min) |
|---|---|---|---|---|

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