Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030921\
Data File : VD068569.D
Acq On : 09 Mar 2021 10:10
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: Mar 09 23:58:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 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 | 83 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.620 | 2.8 | 80 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 47.497 | 5.0 | 80 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.482 | 3.0# | 80 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 50.017 | -0.0 | 88 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.336 | 3.3 | 82 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 52.401 | -4.8 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.945 | 0.1 | 83 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 52.059 | -4.1 | 87 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.422 | 3.2 | 81 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 226.123 | 9.6 | 83 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.788 | -1.6# | 84 | 0.00 |
| 13 | T | Acrolein | 250.000 | 224.043 | 10.4 | 73 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.386 | -0.8 | 83 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 279.496 | -11.8 | 93 | 0.00 |
| 16 | T | Acetone | 250.000 | 282.474 | -13.0 | 91 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.636 | 0.7 | 82 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 55.719 | -11.4 | 97 | -0.01 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 59.088 | -18.2 | 100 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.924 | -3.8 | 84 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 59.490 | -19.0 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.605 | -1.2 | 83 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 256.270 | -2.5 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.990 | -4.0 | 87 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 258.200 | -3.3 | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 54.833 | -9.7 | 91 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.971 | -3.9 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.276 | -2.6 | 84 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 249.072 | 0.4 | 83 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.070 | -4.1# | 87 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.680 | 4.6 | 82 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.986 | -6.0 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.069 | 5.9 | 79 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 80 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.174 | -0.3 | 81 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 52.535 | -5.1 | 84 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.841 | -3.7 | 87 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 55.187 | -10.4 | 89 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 52.559 | -5.1 | 83 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.726 | -5.5 | 85 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 49.182 | 1.6 | 85 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.005 | -6.0 | 85 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.214 | -6.4 | 85 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 53.249 | -6.5 | 87 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 54.407 | -8.8# | 86 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.004 | -10.0 | 91 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.391 | -8.8 | 87 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.875 | -3.8 | 84 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 09 23:58:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 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 | 992.189 | 0.8 | 82 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.420 | 3.2 | 79 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 272.044 | -8.8 | 86 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.078 | -8.2# | 87 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 54.408 | -8.8 | 89 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.456 | -6.9 | 86 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.965 | -7.9 | 87 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.266 | -6.5 | 84 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.344 | -8.7 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 267.880 | -7.2 | 86 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 285.013 | -14.0 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 56.406 | -12.8 | 90 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.288 | -6.6 | 86 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.330 | 1.3 | 79 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 80 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 53.870 | -7.7 | 88 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 53.721 | -7.4 | 87 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.080 | -10.2 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.028 | -8.1# | 86 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 108.417 | -8.4 | 86 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.888 | -9.8 | 86 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.507 | -11.0 | 87 | 0.00 |
| 71 | P | Bromoform | 50.000 | 56.651 | -13.3 | 90 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 82 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.815 | -5.6 | 87 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 53.722 | -7.4 | 87 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.709 | -3.4 | 88 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.079 | -6.2 | 103 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.323 | -4.6 | 88 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.771 | -7.5 | 88 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.333 | -4.7 | 86 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.996 | -8.0 | 87 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 54.302 | -8.6 | 88 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.149 | -4.3 | 85 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.882 | -5.8 | 85 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 54.238 | -8.5 | 87 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 54.344 | -8.7 | 89 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 54.814 | -9.6 | 88 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.594 | -7.2 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 54.500 | -9.0 | 91 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.514 | -9.0 | 87 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.216 | -8.4 | 85 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.749 | -5.5 | 87 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.041 | 3.9 | 82 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.710 | 4.6 | 77 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.954 | 2.1 | 79 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.481 | 3.0 | 78 | 0.00 |

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**LabSampleId :**
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Quant Time: Mar 09 23:58:46 2021
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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 | 46.994 | 6.0 | 78 | 0.00 |

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