Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031722\
Data File : VD072280.D
Acq On : 18 Mar 2022 09:32
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 48 Sample Multiplier: 1

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

Quant Time: Mar 18 09:51:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
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 | 72 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.043 | 9.9 | 60 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 62.844 | -25.7# | 83 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 60.012 | -20.0# | 74 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 64.996 | -30.0# | 88 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 65.001 | -30.0# | 83 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.164 | -0.3 | 66 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 58.755 | -17.5 | 83 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.949 | 2.1 | 65 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.087 | 5.8 | 64 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 264.567 | -5.8 | 86 | 0.02 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 55.157 | -10.3# | 71 | 0.00 |
| 13 | T | Acrolein | 250.000 | 161.138 | 35.5# | 54 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 58.719 | -17.4 | 77 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 313.745 | -25.5# | 92 | 0.00 |
| 16 | T | Acetone | 250.000 | 235.406 | 5.8 | 67 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 55.540 | -11.1 | 70 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 71.869 | -43.7# | 116 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 59.656 | -19.3 | 84 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 62.338 | -24.7 | 81 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 60.441 | -20.9 | 76 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 61.591 | -23.2 | 85 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 308.649 | -23.5 | 82 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 59.485 | -19.0 | 81 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 288.348 | -15.3 | 84 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 44.760 | 10.5 | 61 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 59.445 | -18.9 | 80 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 62.875 | -25.8# | 86 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 322.751 | -29.1# | 92 | 0.00 |
| 30 | C | Chloroform | 50.000 | 59.695 | -19.4# | 83 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 51.975 | -4.0 | 66 | 0.01 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.800 | -9.6 | 74 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 60.817 | -21.6 | 93 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 79 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 54.066 | -8.1 | 92 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.434 | -2.9 | 72 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 56.976 | -14.0 | 89 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.793 | 2.4 | 72 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 48.092 | 3.8 | 64 | 0.00 |
| 40 | TM | Benzene | 50.000 | 55.983 | -12.0 | 81 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 66.387 | -32.8# | 101 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 56.316 | -12.6 | 86 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.640 | -11.3 | 88 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.467 | -2.9 | 74 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 54.421 | -8.8# | 84 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 59.193 | -18.4 | 90 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.988 | -8.0 | 83 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 56.560 | -13.1 | 83 | 0.00 |

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Data File : VD072280.D
Acq On : 18 Mar 2022 09:32
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 48 Sample Multiplier: 1

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

Quant Time: Mar 18 09:51:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
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 | 1108.872 | -10.9 | 90 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 53.374 | -6.7 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 295.097 | -18.0 | 93 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.787 | -9.6# | 78 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.182 | -4.4 | 80 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.447 | -6.9 | 81 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.233 | -10.5 | 87 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 57.964 | -15.9 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 57.249 | -14.5 | 89 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 267.330 | -6.9 | 86 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 285.687 | -14.3 | 90 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.205 | -8.4 | 86 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 56.657 | -13.3 | 87 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.592 | 0.8 | 84 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 81 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.156 | -0.3 | 73 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 53.034 | -6.1 | 79 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.917 | -3.8 | 80 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.706 | -5.4# | 77 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 105.324 | -5.3 | 76 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.850 | -5.7 | 77 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.990 | -8.0 | 81 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.251 | -10.5 | 88 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 80 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.390 | -2.8 | 74 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 55.031 | -10.1 | 85 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.629 | -9.3 | 89 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 56.096 | -12.2 | 89 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.948 | -5.9 | 81 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.540 | -1.1 | 73 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.045 | -4.1 | 78 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.702 | 0.6 | 74 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 48.204 | 3.6 | 77 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.139 | -2.3 | 77 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.293 | 1.4 | 73 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.511 | -1.0 | 76 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.815 | 2.4 | 71 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.054 | 3.9 | 70 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.878 | 0.2 | 77 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.284 | 1.4 | 76 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 45.359 | 9.3 | 66 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.488 | 1.0 | 76 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.693 | -3.4 | 81 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.893 | -7.8 | 86 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 44.318 | 11.4 | 69 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 41.329 | 17.3 | 63 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.557 | -5.1 | 82 | 0.00 |

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Acq On : 18 Mar 2022 09:32
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 48 Sample Multiplier: 1

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

Quant Time: Mar 18 09:51:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 47.883 | 4.2 | 75 | 0.00 |

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