Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
Data File : VD072352.D
Acq On : 21 Mar 2022 20:52
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Mar 22 02:14:34 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 | 68 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.808 | 8.4 | 58 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 58.302 | -16.6 | 73 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 57.700 | -15.4# | 67 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 61.650 | -23.3 | 79 | -0.01 |
| 6 | T | Chloroethane | 50.000 | 61.862 | -23.7 | 75 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.876 | 0.2 | 62 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 59.817 | -19.6 | 79 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.321 | 1.4 | 62 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 44.269 | 11.5 | 57 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 292.658 | -17.1 | 90 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 52.984 | -6.0# | 64 | 0.00 |
| 13 | T | Acrolein | 250.000 | 272.972 | -9.2 | 87 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 56.385 | -12.8 | 70 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 324.105 | -29.6# | 90 | 0.00 |
| 16 | T | Acetone | 250.000 | 260.011 | -4.0 | 70 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 52.847 | -5.7 | 63 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 63.427 | -26.9# | 97 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 60.674 | -21.3 | 80 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 61.693 | -23.4 | 76 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 58.041 | -16.1 | 69 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 61.012 | -22.0 | 80 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 331.963 | -32.8# | 83 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 57.406 | -14.8 | 74 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 321.474 | -28.6# | 89 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.945 | 2.1 | 63 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 57.558 | -15.1 | 73 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 65.157 | -30.3# | 85 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 355.760 | -42.3# | 96 | 0.00 |
| 30 | C | Chloroform | 50.000 | 58.109 | -16.2# | 76 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 51.804 | -3.6 | 63 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.426 | -6.9 | 68 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 60.039 | -20.1 | 87 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 72 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.090 | -4.2 | 81 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.073 | -2.1 | 65 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 65.734 | -31.5# | 93 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.214 | 1.6 | 66 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.491 | -1.0 | 62 | 0.00 |
| 40 | TM | Benzene | 50.000 | 55.374 | -10.7 | 73 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 66.759 | -33.5# | 93 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 59.959 | -19.9 | 83 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 62.736 | -25.5# | 90 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.264 | -2.5 | 68 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 57.428 | -14.9# | 80 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 60.901 | -21.8 | 85 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 57.132 | -14.3 | 80 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 61.536 | -23.1 | 82 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Mar 22 02:14:34 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 | 1247.838 | -24.8 | 92 | 0.01 |
| 50 | S | Toluene-d8 | 50.000 | 51.654 | -3.3 | 77 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 333.133 | -33.3# | 96 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.956 | -9.9# | 72 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 56.655 | -13.3 | 79 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 56.060 | -12.1 | 77 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 59.422 | -18.8 | 86 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 63.711 | -27.4# | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 59.402 | -18.8 | 84 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 294.995 | -18.0 | 87 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 325.308 | -30.1# | 93 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 56.965 | -13.9 | 82 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 59.581 | -19.2 | 84 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.486 | -3.0 | 79 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 75 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.858 | 0.3 | 67 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 53.468 | -6.9 | 75 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.608 | -5.2 | 75 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.518 | -5.0# | 71 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 107.514 | -7.5 | 73 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.688 | -7.4 | 73 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.210 | -8.4 | 76 | 0.00 |
| 71 | P | Bromoform | 50.000 | 57.483 | -15.0 | 86 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 78 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.787 | 0.4 | 70 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 61.241 | -22.5 | 92 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 58.569 | -17.1 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.702 | 4.6 | 74 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.995 | -4.0 | 77 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.611 | -1.2 | 71 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.779 | -1.6 | 74 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.180 | 1.6 | 71 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 55.713 | -11.4 | 87 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.924 | -1.8 | 74 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.044 | 1.9 | 71 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.798 | 0.4 | 73 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.474 | 3.1 | 69 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.960 | 2.1 | 70 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.396 | -0.8 | 76 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.267 | -0.5 | 76 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.260 | 3.5 | 68 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.539 | 2.9 | 73 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.607 | -3.2 | 79 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 58.378 | -16.8 | 91 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 46.983 | 6.0 | 71 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 43.874 | 12.3 | 65 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 55.559 | -11.1 | 85 | 0.00 |

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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Mar 22 02:14:34 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 | 50.241 | -0.5 | 77 | 0.00 |

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