Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092221\
Data File : VY006113.D
Acq On : 22 Sep 2021 19:19
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**LabSampleId :** VSTDCCC050

Quant Time: Sep 23 01:28:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 15 05:01:47 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 | 110 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 42.807 | 14.4 | 100 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 40.224 | 19.6 | 93 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 41.677 | 16.6# | 95 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 44.357 | 11.3 | 105 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 44.961 | 10.1 | 100 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 44.919 | 10.2 | 100 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 48.609 | 2.8 | 104 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.024 | 6.0 | 106 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.090 | 5.8 | 100 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 226.230 | 9.5 | 105 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.361 | 5.3# | 107 | 0.00 |
| 13 | T | Acrolein | 250.000 | 242.799 | 2.9 | 101 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.630 | 10.7 | 99 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 233.580 | 6.6 | 96 | 0.00 |
| 16 | T | Acetone | 250.000 | 186.789 | 25.3# | 77 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 44.403 | 11.2 | 99 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 47.077 | 5.8 | 100 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 48.310 | 3.4 | 102 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.796 | -5.6 | 115 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.909 | 4.2 | 106 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 46.934 | 6.1 | 102 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 227.864 | 8.9 | 95 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 47.891 | 4.2 | 106 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 212.406 | 15.0 | 86 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 43.799 | 12.4 | 99 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.382 | 1.2 | 107 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.739 | -1.5 | 102 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 228.122 | 8.8 | 92 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.990 | 2.0# | 108 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 42.473 | 15.1 | 98 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.116 | 5.8 | 104 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.891 | 6.2 | 103 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 112 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.063 | 1.9 | 111 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 46.072 | 7.9 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 43.258 | 13.5 | 92 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 45.747 | 8.5 | 102 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 45.944 | 8.1 | 101 | 0.00 |
| 40 | TM | Benzene | 50.000 | 47.920 | 4.2 | 106 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 46.690 | 6.6 | 94 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 46.448 | 7.1 | 100 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 44.215 | 11.6 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.467 | 3.1 | 107 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 47.587 | 4.8# | 106 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.597 | 4.8 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.545 | 2.9 | 106 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 45.484 | 9.0 | 94 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**LabSampleId :** VSTDCCC050

Quant Time: Sep 23 01:28:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 15 05:01:47 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 | 994.862 | 0.5 | 102 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.367 | 3.3 | 108 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 221.832 | 11.3 | 92 | 0.00 |
| 52 | CM | Toluene | 50.000 | 47.928 | 4.1# | 106 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.077 | 3.8 | 103 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.172 | 3.7 | 106 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.818 | 2.4 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 48.471 | 3.1 | 101 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.617 | 2.8 | 105 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 239.718 | 4.1 | 103 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 224.738 | 10.1 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.986 | 0.0 | 108 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.315 | -0.6 | 107 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.232 | 1.5 | 112 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 111 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.007 | 2.0 | 111 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.335 | 3.3 | 109 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.889 | 2.2 | 109 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 47.805 | 4.4# | 107 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 95.771 | 4.2 | 107 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.665 | 2.7 | 108 | 0.00 |
| 70 | T | Styrene | 50.000 | 49.146 | 1.7 | 108 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.701 | 0.6 | 107 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 111 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 46.228 | 7.5 | 106 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 43.508 | 13.0 | 94 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.952 | 8.1 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.158 | 11.7 | 104 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 47.375 | 5.3 | 108 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 45.812 | 8.4 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.462 | 5.1 | 107 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 47.773 | 4.5 | 108 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.101 | 11.8 | 96 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 47.731 | 4.5 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 47.389 | 5.2 | 106 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 47.880 | 4.2 | 107 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 47.431 | 5.1 | 106 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 47.248 | 5.5 | 106 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.026 | 1.9 | 109 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.138 | 3.7 | 110 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 47.012 | 6.0 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.118 | 3.8 | 109 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.419 | 1.2 | 111 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.938 | 10.1 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 50.018 | -0.0 | 113 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.929 | 2.1 | 112 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.242 | -0.5 | 107 | 0.00 |

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**Instrument :** MSVOA_Y
**LabSampleId :** VSTDCCC050

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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 | 51.290 | -2.6 | 114 | 0.00 |

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