Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
Data File : VD073358.D
Acq On : 25 May 2022 13:35
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: May 26 02:23:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 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 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 58.102 | -16.2 | 141 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 49.751 | 0.5 | 121 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 52.802 | -5.6# | 121 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 55.791 | -11.6 | 116 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 51.546 | -3.1 | 117 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.763 | -3.5 | 118 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.085 | -0.2 | 109 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.618 | -3.2 | 119 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 55.561 | -11.1 | 119 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 136.671 | 45.3# | 112 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.297 | -6.6# | 118 | 0.00 |
| 13 | T | Acrolein | 250.000 | 243.359 | 2.7 | 108 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.519 | 1.0 | 109 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 244.976 | 2.0 | 107 | 0.00 |
| 16 | T | Acetone | 250.000 | 292.027 | -16.8 | 144 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 52.841 | -5.7 | 120 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 47.198 | 5.6 | 108 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.484 | 1.0 | 107 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 53.840 | -7.7 | 118 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.618 | -1.2 | 112 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 48.907 | 2.2 | 104 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 251.253 | -0.5 | 107 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 47.287 | 5.4 | 107 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 260.226 | -4.1 | 118 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.038 | 3.9 | 109 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.878 | 2.2 | 107 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 45.051 | 9.9 | 98 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 242.134 | 3.1 | 106 | 0.00 |
| 30 | C | Chloroform | 50.000 | 46.424 | 7.2# | 104 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.367 | 1.3 | 113 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.643 | 2.7 | 110 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 44.980 | 10.0 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 106 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.183 | 1.6 | 104 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.799 | -3.6 | 112 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.568 | 0.9 | 110 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.923 | -3.8 | 110 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 55.794 | -11.6 | 116 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.771 | -1.5 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 43.734 | 12.5 | 108 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 46.755 | 6.5 | 101 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.059 | -0.1 | 106 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.554 | -3.1 | 111 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.945 | 2.1# | 105 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.185 | 5.6 | 103 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 47.980 | 4.0 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.239 | -2.5 | 109 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

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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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 985.352 | 1.5 | 107 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.285 | -0.6 | 104 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 250.221 | -0.1 | 105 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.752 | -3.5# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.008 | -0.0 | 108 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.287 | -0.6 | 107 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 49.008 | 2.0 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.598 | -7.2 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.006 | -0.0 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 233.121 | 6.8 | 105 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 281.333 | -12.5 | 117 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.566 | 2.9 | 105 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.578 | 0.8 | 108 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.546 | -3.1 | 109 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 53.126 | -6.3 | 114 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.434 | -0.9 | 108 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.005 | -0.0 | 105 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.001 | -6.0# | 108 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 108.192 | -8.2 | 108 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.178 | -8.4 | 110 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.515 | -7.0 | 107 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.704 | -1.4 | 108 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.466 | -6.9 | 109 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.139 | -0.3 | 105 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.433 | 3.1 | 106 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.628 | 6.7 | 101 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.647 | -1.3 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 52.250 | -4.5 | 107 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.886 | -1.8 | 107 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.546 | -5.1 | 108 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.039 | 1.9 | 103 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.824 | -1.6 | 106 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 54.253 | -8.5 | 112 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.695 | -5.4 | 110 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.379 | -6.8 | 111 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.381 | -6.8 | 110 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.402 | -0.8 | 109 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.853 | 2.3 | 108 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.096 | -8.2 | 110 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.682 | -1.4 | 110 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.898 | 0.2 | 107 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.988 | 6.0 | 104 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.383 | -4.8 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.680 | -1.4 | 113 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.164 | 3.7 | 110 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.009 | -4.0 | 109 | 0.00 |

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