Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022124\
Data File : VD078492.D
Acq On : 21 Feb 2024 10:12
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 22 00:00:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
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 | 55.146 | -10.3 | 89 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.819 | 6.4 | 81 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.827 | 6.3# | 83 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.257 | -8.5 | 100 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 47.718 | 4.6 | 88 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 54.037 | -8.1 | 95 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.529 | -9.1 | 104 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.588 | -3.2 | 92 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 60.475 | -21.0 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 240.885 | 3.6 | 94 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.117 | -6.2# | 94 | 0.00 |
| 13 | T | Acrolein | 250.000 | 168.622 | 32.6# | 73 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.021 | 2.0 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 261.838 | -4.7 | 96 | 0.00 |
| 16 | T | Acetone | 250.000 | 283.045 | -13.2 | 95 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.469 | 3.1 | 88 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 61.527 | -23.1 | 99 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.734 | -7.5 | 98 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 56.705 | -13.4 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 54.169 | -8.3 | 97 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.710 | -5.4 | 93 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 237.312 | 5.1 | 91 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.943 | -5.9 | 95 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 274.096 | -9.6 | 97 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 53.797 | -7.6 | 94 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 54.891 | -9.8 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 48.600 | 2.8 | 81 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 253.634 | -1.5 | 94 | 0.00 |
| 30 | C | Chloroform | 50.000 | 54.017 | -8.0# | 97 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.479 | 5.0 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.398 | -8.8 | 97 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.826 | 6.3 | 87 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 82 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.349 | -6.7 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 53.516 | -7.0 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.341 | 1.3 | 96 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 56.183 | -12.4 | 97 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.838 | -7.7 | 89 | 0.00 |
| 40 | TM | Benzene | 50.000 | 54.506 | -9.0 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.883 | -11.8 | 98 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 52.972 | -5.9 | 98 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.304 | -2.6 | 92 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 58.441 | -16.9 | 102 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.309 | -6.6# | 96 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.971 | -7.9 | 98 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.634 | -9.3 | 96 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 57.421 | -14.8 | 93 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 22 00:00:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
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 | 1139.594 | -14.0 | 106 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.111 | -2.2 | 91 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 257.915 | -3.2 | 94 | 0.00 |
| 52 | CM | Toluene | 50.000 | 56.383 | -12.8# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 54.505 | -9.0 | 95 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.656 | -9.3 | 97 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 56.109 | -12.2 | 101 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 48.202 | 3.6 | 100 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.200 | -8.4 | 99 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 238.023 | 4.8 | 77 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 260.248 | -4.1 | 98 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 58.434 | -16.9 | 105 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 56.526 | -13.1 | 100 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.006 | -0.0 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 81 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 56.905 | -13.8 | 99 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 57.630 | -15.3 | 101 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 57.086 | -14.2 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 58.700 | -17.4# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 119.083 | -19.1 | 98 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 58.151 | -16.3 | 98 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.970 | -9.9 | 98 | 0.00 |
| 71 | P | Bromoform | 50.000 | 58.920 | -17.8 | 109 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 84 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 57.428 | -14.9 | 98 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 47.702 | 4.6 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.129 | -4.3 | 101 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 54.026 | -8.1 | 115 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 56.738 | -13.5 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 55.890 | -11.8 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 54.299 | -8.6 | 97 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 57.447 | -14.9 | 99 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.514 | -7.0 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 54.867 | -9.7 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 58.831 | -17.7 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 58.309 | -16.6 | 99 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 56.677 | -13.4 | 99 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 59.500 | -19.0 | 99 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 56.332 | -12.7 | 100 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 55.786 | -11.6 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 57.209 | -14.4 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.308 | -8.6 | 99 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 55.734 | -11.5 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 52.315 | -4.6 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 58.253 | -16.5 | 102 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 59.986 | -20.0 | 104 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 58.758 | -17.5 | 107 | 0.00 |

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Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
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 | 61.721 | -23.4 | 108 | 0.00 |

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