Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032824\
Data File : VD078787.D
Acq On : 28 Mar 2024 21:04
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Mar 29 01:39:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 05:38:03 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 | 82 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 36.241 | 27.5# | 63 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 39.241 | 21.5 | 68 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 37.790 | 24.4# | 65 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 37.770 | 24.5 | 71 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 40.353 | 19.3 | 71 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 38.932 | 22.1 | 68 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 41.427 | 17.1 | 73 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 40.364 | 19.3 | 71 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 43.125 | 13.8 | 72 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 213.274 | 14.7 | 69 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 39.870 | 20.3# | 68 | 0.00 |
| 13 | T | Acrolein | 250.000 | 118.334 | 52.7# | 47 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 41.036 | 17.9 | 72 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 229.043 | 8.4 | 75 | 0.00 |
| 16 | T | Acetone | 250.000 | 195.328 | 21.9 | 64 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 36.110 | 27.8# | 62 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 53.995 | -8.0 | 85 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 45.202 | 9.6 | 75 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 49.215 | 1.6 | 83 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 44.347 | 11.3 | 76 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 47.372 | 5.3 | 80 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 227.261 | 9.1 | 74 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 44.568 | 10.9 | 78 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 211.013 | 15.6 | 72 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 41.475 | 17.0 | 72 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 44.222 | 11.6 | 77 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 41.574 | 16.9 | 62 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 230.124 | 8.0 | 74 | 0.00 |
| 30 | C | Chloroform | 50.000 | 44.944 | 10.1# | 80 | 0.01 |
| 31 | T | Cyclohexane | 50.000 | 36.186 | 27.6# | 65 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 43.691 | 12.6 | 77 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 43.559 | 12.9 | 77 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 85 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 44.933 | 10.1 | 80 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 41.063 | 17.9 | 72 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 43.474 | 13.1 | 77 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 42.399 | 15.2 | 76 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 38.369 | 23.3 | 65 | 0.00 |
| 40 | TM | Benzene | 50.000 | 43.948 | 12.1 | 78 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 42.838 | 14.3 | 77 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 46.482 | 7.0 | 81 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 44.804 | 10.4 | 76 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 43.970 | 12.1 | 79 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 45.126 | 9.7# | 80 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.060 | 5.9 | 83 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 46.775 | 6.5 | 85 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 45.709 | 8.6 | 79 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Mar 29 01:39:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 05:38:03 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 | 831.613 | 16.8 | 71 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 44.123 | 11.8 | 76 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 231.205 | 7.5 | 77 | 0.00 |
| 52 | CM | Toluene | 50.000 | 44.649 | 10.7# | 76 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 44.351 | 11.3 | 78 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 46.343 | 7.3 | 81 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.463 | 5.1 | 84 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 47.633 | 4.7 | 78 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 45.805 | 8.4 | 80 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 288.891 | -15.6 | 94 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 220.127 | 11.9 | 73 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 46.151 | 7.7 | 81 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 44.320 | 11.4 | 77 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 45.876 | 8.2 | 79 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 43.967 | 12.1 | 79 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 43.283 | 13.4 | 78 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 45.813 | 8.4 | 83 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 44.315 | 11.4# | 78 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 90.244 | 9.8 | 80 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 44.905 | 10.2 | 79 | 0.00 |
| 70 | T | Styrene | 50.000 | 46.896 | 6.2 | 81 | 0.00 |
| 71 | P | Bromoform | 50.000 | 45.934 | 8.1 | 82 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 40.842 | 18.3 | 78 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 39.749 | 20.5 | 74 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 41.630 | 16.7 | 79 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 41.958 | 16.1 | 82 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 42.420 | 15.2 | 81 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 41.319 | 17.4 | 77 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 41.164 | 17.7 | 80 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 42.708 | 14.6 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 40.782 | 18.4 | 76 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 41.106 | 17.8 | 79 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 42.117 | 15.8 | 79 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 43.123 | 13.8 | 80 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 42.036 | 15.9 | 78 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 42.709 | 14.6 | 79 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 42.173 | 15.7 | 81 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 43.227 | 13.5 | 84 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 42.431 | 15.1 | 79 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 41.521 | 17.0 | 81 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 42.730 | 14.5 | 84 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 37.911 | 24.2 | 75 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 41.875 | 16.3 | 83 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 41.324 | 17.4 | 83 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 41.941 | 16.1 | 78 | 0.00 |

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Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Mar 29 01:39:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 05:38:03 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 | 42.783 | 14.4 | 80 | 0.00 |

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