Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013024\
Data File : VY017148.D
Acq On : 30 Jan 2024 16:58
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Jan 31 00:29:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 25 04:44:10 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 | 74 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.091 | 9.8 | 70 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 57.468 | -14.9 | 86 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 62.082 | -24.2# | 89 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 66.730 | -33.5# | 100 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 66.165 | -32.3# | 96 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.800 | -7.6 | 80 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.878 | -5.8 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.410 | 7.2 | 75 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.188 | 5.6 | 69 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 309.262 | -23.7 | 100 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.006 | 4.0# | 77 | 0.00 |
| 13 | T | Acrolein | 250.000 | 224.838 | 10.1 | 70 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.165 | -4.3 | 81 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 281.158 | -12.5 | 87 | 0.00 |
| 16 | T | Acetone | 250.000 | 243.518 | 2.6 | 80 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.458 | 13.1 | 69 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 64.739 | -29.5# | 96 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 56.844 | -13.7 | 88 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 57.663 | -15.3 | 83 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.971 | -1.9 | 80 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 57.399 | -14.8 | 87 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 272.396 | -9.0 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 54.073 | -8.1 | 86 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 263.386 | -5.4 | 86 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.511 | -1.0 | 80 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 54.361 | -8.7 | 84 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 60.285 | -20.6 | 81 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 301.919 | -20.8 | 90 | 0.00 |
| 30 | C | Chloroform | 50.000 | 55.873 | -11.7# | 88 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 50.553 | -1.1 | 74 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.521 | -7.0 | 84 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 59.730 | -19.5 | 87 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 79 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 54.097 | -8.2 | 83 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.439 | 5.1 | 80 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 55.436 | -10.9 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.265 | 3.5 | 82 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 45.581 | 8.8 | 74 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.182 | -0.4 | 83 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.618 | -9.2 | 100 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.974 | -7.9 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.497 | -11.0 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.180 | 1.6 | 83 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.783 | -5.6# | 87 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.710 | -7.4 | 90 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.460 | -6.9 | 87 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.354 | -8.7 | 86 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Jan 31 00:29:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 25 04:44:10 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 | 1207.353 | -20.7 | 99 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 54.694 | -9.4 | 82 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 286.199 | -14.5 | 93 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.086 | -4.2# | 85 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 54.415 | -8.8 | 88 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.724 | -5.4 | 85 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.683 | -7.4 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 57.488 | -15.0 | 90 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.158 | -8.3 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 305.017 | -22.0 | 88 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 261.406 | -4.6 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.413 | -8.8 | 90 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.437 | -8.9 | 90 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 56.709 | -13.4 | 85 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 81 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.373 | 3.3 | 84 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.815 | -1.6 | 87 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.830 | -5.7 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.615 | -3.2# | 86 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.272 | -2.3 | 85 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.542 | -7.1 | 88 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.754 | -9.5 | 88 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.882 | -7.8 | 91 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 83 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.982 | 0.0 | 87 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 55.225 | -10.5 | 94 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.067 | -4.1 | 92 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 45.670 | 8.7 | 78 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.896 | 0.2 | 88 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.618 | -1.2 | 86 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.687 | -1.4 | 89 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.925 | -1.8 | 87 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.040 | -0.1 | 90 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.019 | -2.0 | 89 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.645 | -3.3 | 88 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.541 | -3.1 | 88 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.739 | -1.5 | 86 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.439 | -2.9 | 87 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.126 | -0.3 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.183 | 1.6 | 87 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.059 | -2.1 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.057 | -0.1 | 88 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.255 | -2.5 | 91 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.061 | -6.1 | 96 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.241 | -2.5 | 90 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 46.811 | 6.4 | 84 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 57.493 | -15.0 | 98 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.954 | -3.9 | 92 | 0.00 |

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