Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081221\
Data File : VY005609.D
Acq On : 12 Aug 2021 09:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 13 04:18:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 03 04:52:05 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 | 84 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 40.761 | 18.5 | 76 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 41.925 | 16.2 | 72 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.293 | 11.4# | 76 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 43.933 | 12.1 | 76 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.166 | 3.7 | 77 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.213 | 1.6 | 80 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.943 | 6.1 | 86 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.015 | -2.0 | 89 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 52.264 | -4.5 | 89 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 211.019 | 15.6 | 89 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.382 | 1.2# | 86 | 0.00 |
| 13 | T | Acrolein | 250.000 | 237.442 | 5.0 | 81 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.387 | -4.8 | 91 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 235.412 | 5.8 | 90 | 0.00 |
| 16 | T | Acetone | 250.000 | 293.213 | -17.3 | 106 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 45.924 | 8.2 | 81 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.625 | 10.8 | 91 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 50.125 | -0.3 | 90 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 50.736 | -1.5 | 85 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.069 | -0.1 | 88 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 53.682 | -7.4 | 93 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 256.165 | -2.5 | 92 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.469 | -6.9 | 92 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 257.301 | -2.9 | 98 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 55.146 | -10.3 | 94 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.963 | -1.9 | 88 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.438 | 5.1 | 90 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 229.434 | 8.2 | 91 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.698 | -5.4# | 92 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.325 | 1.3 | 89 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.738 | -7.5 | 92 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.556 | 4.9 | 82 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 84 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.770 | -1.5 | 82 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 53.159 | -6.3 | 90 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.102 | 3.8 | 92 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 54.574 | -9.1 | 93 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 52.293 | -4.6 | 88 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.552 | -5.1 | 90 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 52.639 | -5.3 | 84 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 52.120 | -4.2 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.904 | 0.2 | 94 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 53.013 | -6.0 | 90 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.180 | -6.4# | 91 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.511 | -3.0 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.128 | -8.3 | 92 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.979 | 0.0 | 93 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
Quant Title : SW846 8260
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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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 999.753 | 0.0 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.477 | 1.0 | 80 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 247.643 | 0.9 | 94 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.055 | -6.1# | 90 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 51.912 | -3.8 | 90 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.132 | -6.3 | 90 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.408 | -2.8 | 90 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 50.558 | -1.1 | 91 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.780 | -3.6 | 91 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 254.620 | -1.8 | 89 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 255.902 | -2.4 | 96 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 51.841 | -3.7 | 91 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.398 | 1.2 | 88 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.553 | 0.9 | 82 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 83 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 53.976 | -8.0 | 92 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 53.840 | -7.7 | 90 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.729 | -9.5 | 92 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 55.154 | -10.3# | 91 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 109.056 | -9.1 | 90 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.069 | -8.1 | 90 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.287 | -8.6 | 90 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.949 | -3.9 | 90 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.532 | -9.1 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.429 | -2.9 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.663 | 0.7 | 92 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.967 | 10.1 | 82 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.682 | -5.4 | 90 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 55.332 | -10.7 | 93 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 54.243 | -8.5 | 92 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 55.087 | -10.2 | 92 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.816 | 0.4 | 93 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 54.209 | -8.4 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.840 | -7.7 | 90 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 54.880 | -9.8 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 55.288 | -10.6 | 91 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.079 | -10.2 | 92 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.422 | -6.8 | 91 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 52.661 | -5.3 | 91 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 56.044 | -12.1 | 94 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 55.978 | -12.0 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.379 | -6.8 | 93 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.915 | 2.2 | 96 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 55.672 | -11.3 | 98 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 57.256 | -14.5 | 97 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.451 | -2.9 | 95 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 54.360 | -8.7 | 97 | 0.00 |

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