Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092421\
Data File : VY006152.D
Acq On : 24 Sep 2021 20:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Sep 25 05:48:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 15 05:01:47 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 | 91 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 41.769 | 16.5 | 80 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 44.357 | 11.3 | 85 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.606 | 10.8# | 85 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 46.740 | 6.5 | 91 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.034 | 1.9 | 91 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.899 | 0.2 | 92 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.986 | -6.0 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 52.164 | -4.3 | 97 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 52.339 | -4.7 | 92 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 179.301 | 28.3# | 74 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.459 | -2.9# | 96 | 0.00 |
| 13 | T | Acrolein | 250.000 | 188.781 | 24.5 | 65 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.173 | 3.7 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 255.065 | -2.0 | 87 | 0.00 |
| 16 | T | Acetone | 250.000 | 201.054 | 19.6 | 68 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.222 | 1.6 | 91 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 50.960 | -1.9 | 90 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.922 | -5.8 | 92 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 57.554 | -15.1 | 103 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 54.044 | -8.1 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.931 | -1.9 | 91 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 240.395 | 3.8 | 83 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.760 | -5.5 | 97 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 187.920 | 24.8 | 63 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 42.331 | 15.3 | 79 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.577 | 2.8 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 46.145 | 7.7 | 77 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 199.253 | 20.3 | 67 | 0.00 |
| 30 | C | Chloroform | 50.000 | 47.943 | 4.1# | 87 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 38.248 | 23.5 | 73 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.185 | 7.6 | 84 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.484 | 7.0 | 84 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.610 | 2.8 | 90 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 44.249 | 11.5 | 81 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 39.228 | 21.5 | 69 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 46.274 | 7.5 | 85 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 42.558 | 14.9 | 77 | 0.00 |
| 40 | TM | Benzene | 50.000 | 46.345 | 7.3 | 85 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 42.145 | 15.7 | 70 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 45.701 | 8.6 | 81 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 40.195 | 19.6 | 69 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.249 | 3.5 | 88 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 44.144 | 11.7# | 81 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.185 | 5.6 | 83 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 47.781 | 4.4 | 86 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 41.841 | 16.3 | 71 | 0.00 |

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ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Sep 25 05:48:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 15 05:01:47 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 892.171 | 10.8 | 76 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.004 | 4.0 | 88 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 201.609 | 19.4 | 69 | 0.00 |
| 52 | CM | Toluene | 50.000 | 47.720 | 4.6# | 87 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 45.307 | 9.4 | 80 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 45.781 | 8.4 | 83 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.458 | 3.1 | 85 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 45.367 | 9.3 | 78 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 46.325 | 7.3 | 82 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 222.955 | 10.8 | 79 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 204.389 | 18.2 | 68 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.249 | -0.5 | 89 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 48.754 | 2.5 | 85 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.622 | 2.8 | 91 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.899 | -1.8 | 96 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.418 | 5.2 | 89 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.533 | 0.9 | 92 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 46.582 | 6.8# | 87 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 95.338 | 4.7 | 89 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.499 | 3.0 | 90 | 0.00 |
| 70 | T | Styrene | 50.000 | 49.074 | 1.9 | 90 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.454 | -0.9 | 90 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 44.141 | 11.7 | 88 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 37.831 | 24.3 | 71 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 41.147 | 17.7 | 79 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 40.878 | 18.2 | 84 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 46.370 | 7.3 | 92 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 43.142 | 13.7 | 86 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 45.065 | 9.9 | 89 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 45.674 | 8.7 | 89 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 39.034 | 21.9 | 74 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 45.986 | 8.0 | 91 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 45.556 | 8.9 | 88 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 45.877 | 8.2 | 89 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 44.560 | 10.9 | 87 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 45.705 | 8.6 | 89 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.070 | 3.9 | 93 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 46.849 | 6.3 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 43.819 | 12.4 | 85 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 45.366 | 9.3 | 90 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 48.209 | 3.6 | 94 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 40.914 | 18.2 | 79 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.238 | 5.5 | 92 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 46.693 | 6.6 | 93 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 46.423 | 7.2 | 86 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 47.618 | 4.8 | 92 | 0.00 |

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