Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032521\
Data File : VY004204.D
Acq On : 25 Mar 2021 16:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 26 01:14:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 08 12:28:55 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 | 56 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.884 | 8.2 | 54 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 60.000 | -20.0 | 65 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.051 | 5.9# | 57 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 41.417 | 17.2 | 51 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 52.500 | -5.0 | 62 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 48.069 | 3.9 | 57 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.567 | 0.9 | 56 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.004 | 2.0 | 58 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 56.397 | -12.8 | 62 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 218.599 | 12.6 | 46 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.146 | 3.7# | 57 | 0.00 |
| 13 | T | Acrolein | 250.000 | 144.674 | 42.1# | 28 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.707 | 10.6 | 51 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 242.642 | 2.9 | 52 | -0.01 |
| 16 | T | Acetone | 250.000 | 197.233 | 21.1 | 41 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 38.887 | 22.2 | 47 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 51.668 | -3.3 | 56 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.966 | -3.9 | 57 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.560 | -5.1 | 58 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.409 | 1.2 | 57 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.802 | 0.4 | 56 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 241.415 | 3.4 | 53 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.333 | 1.3 | 56 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 233.018 | 6.8 | 49 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.706 | 2.6 | 56 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.898 | -1.8 | 59 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.700 | 4.6 | 54 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 244.103 | 2.4 | 52 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.706 | -5.4# | 60 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 42.270 | 15.5 | 52 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.601 | -3.2 | 58 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.816 | -1.6 | 55 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 54 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 54.615 | -9.2 | 58 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.407 | -0.8 | 56 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.325 | -4.7 | 54 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 40.796 | 18.4 | 45 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 46.593 | 6.8 | 53 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.714 | -3.4 | 57 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.551 | -1.1 | 55 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.304 | -8.6 | 59 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.803 | 0.4 | 52 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 57.963 | -15.9 | 64 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.523 | -3.0# | 56 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.268 | -6.5 | 57 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.613 | -5.2 | 57 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.531 | 2.9 | 50 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 26 01:14:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 08 12:28:55 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 | 1092.079 | -9.2 | 57 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.452 | -0.9 | 54 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 255.978 | -2.4 | 52 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.992 | -4.0# | 58 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.345 | 1.3 | 53 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.017 | -2.0 | 55 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.806 | -3.6 | 55 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 50.602 | -1.2 | 52 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.468 | -4.9 | 56 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 244.512 | 2.2 | 53 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 244.127 | 2.3 | 49 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 51.108 | -2.2 | 54 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.416 | -4.8 | 56 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 46.332 | 7.3 | 49 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 52 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 58.625 | -17.3 | 63 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 54.140 | -8.3 | 57 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.625 | -5.3 | 55 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.126 | -6.3# | 57 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 106.676 | -6.7 | 57 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.226 | -6.5 | 56 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.166 | -6.3 | 56 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.908 | 0.2 | 50 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 54 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.820 | 0.4 | 55 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 44.999 | 10.0 | 46 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 56.120 | -12.2 | 58 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.733 | 4.5 | 51 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.479 | -3.0 | 56 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 48.871 | 2.3 | 54 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.381 | 3.2 | 54 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.533 | 0.9 | 55 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.263 | 11.5 | 46 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.181 | 3.6 | 54 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.917 | -1.8 | 56 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.297 | -0.6 | 55 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.684 | 0.6 | 55 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.140 | -2.3 | 56 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.783 | -7.6 | 59 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 52.830 | -5.7 | 58 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.601 | -1.2 | 56 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 24.493 | 51.0# | 27 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.432 | -6.9 | 58 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.935 | 4.1 | 51 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.109 | 1.8 | 53 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.201 | 3.6 | 52 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.337 | -2.7 | 54 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.062 | -4.1 | 56 | 0.00 |

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