# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
Data File : VD076427.D
Acq On : 14 Jun 2023 19:34
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jun 15 05:36:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 13 02:01:34 2023
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 | 50 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 49.411 | 1.2 | 50 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 53.672 | -7.3 | 55 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 59.973 | -19.9# | 60 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 62.730 | -25.5# | 65 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 64.478 | -29.0# | 65 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.376 | -2.8 | 51 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.344 | -2.7 | 53 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 54.288 | -8.6 | 53 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 53.531 | -7.1 | 52 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 241.281 | 3.5 | 51 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.330 | -6.7# | 54 | 0.00 |
| 13 | T | Acrolein | 250.000 | 210.042 | 16.0 | 46 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.385 | 1.2 | 50 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 268.687 | -7.5 | 54 | 0.00 |
| 16 | T | Acetone | 250.000 | 239.425 | 4.2 | 45 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 51.197 | -2.4 | 51 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 52.521 | -5.0 | 55 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.206 | -2.4 | 52 | 0.01 |
| 20 | T | Methylene Chloride | 50.000 | 50.301 | -0.6 | 52 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.734 | -3.5 | 53 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.317 | -4.6 | 53 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 310.686 | -24.3 | 62 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.581 | -3.2 | 52 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 253.949 | -1.6 | 51 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 47.243 | 5.5 | 48 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.592 | -3.2 | 53 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.852 | 4.3 | 47 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 262.821 | -5.1 | 53 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.337 | -0.7# | 51 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 51.542 | -3.1 | 53 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.690 | 0.6 | 50 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.893 | 2.2 | 51 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 50 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.588 | -5.2 | 53 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.840 | 0.3 | 50 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.862 | -7.7 | 53 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.315 | 1.4 | 49 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 51.980 | -4.0 | 51 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.669 | -5.3 | 53 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.874 | -1.7 | 60 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.883 | 2.2 | 50 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.246 | -2.5 | 52 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.228 | -2.5 | 51 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.897 | -7.8# | 54 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.257 | -4.5 | 54 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.749 | -1.5 | 52 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.485 | 3.0 | 49 | 0.00 |

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ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jun 15 05:36:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 13 02:01:34 2023
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 | 1076.916 | -7.7 | 55 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 52.494 | -5.0 | 54 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 263.781 | -5.5 | 54 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.115 | -4.2# | 53 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.050 | -0.1 | 50 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.406 | -2.8 | 52 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.252 | -6.5 | 54 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 51.745 | -3.5 | 51 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.756 | -5.5 | 53 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 265.722 | -6.3 | 57 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 259.299 | -3.7 | 52 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 51.663 | -3.3 | 53 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.136 | -4.3 | 53 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.709 | 0.6 | 52 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 52 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.621 | -1.2 | 52 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.902 | -3.8 | 53 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.020 | -0.0 | 51 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.992 | -2.0# | 53 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.984 | -3.0 | 53 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.117 | -4.2 | 53 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.038 | -4.1 | 53 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.977 | -2.0 | 53 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 52 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.118 | -2.2 | 53 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.209 | -0.4 | 52 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.250 | -8.5 | 57 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 58.436 | -16.9 | 66 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.405 | -4.8 | 54 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.700 | -3.4 | 53 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.903 | 0.2 | 52 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.794 | 0.4 | 52 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 48.780 | 2.4 | 52 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.721 | 2.6 | 51 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.899 | -3.8 | 53 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.932 | -1.9 | 53 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.846 | -3.7 | 54 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.478 | -3.0 | 53 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.412 | -4.8 | 54 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 52.213 | -4.4 | 54 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.632 | -3.3 | 53 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.870 | -3.7 | 53 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.278 | -4.6 | 55 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.367 | 5.3 | 51 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.493 | -3.0 | 53 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.434 | -2.9 | 53 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.435 | -4.9 | 55 | 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 | 52.073 | -4.1 | 54 | 0.00 |

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