# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041823\
Data File : VD075738.D
Acq On : 18 Apr 2023 20:39
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 19 01:25:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 14:16:29 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 | 81 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 49.619 | 0.8 | 83 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.979 | 2.0 | 83 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.765 | 6.5# | 78 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 46.487 | 7.0 | 80 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.443 | 3.1 | 81 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.018 | -2.0 | 85 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.235 | -2.5 | 87 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 53.208 | -6.4 | 89 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 55.357 | -10.7 | 87 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 239.399 | 4.2 | 81 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 52.647 | -5.3# | 86 | 0.00 |
| 13 | T | Acrolein | 250.000 | 281.234 | -12.5 | 94 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.025 | -6.0 | 85 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 271.963 | -8.8 | 89 | 0.00 |
| 16 | T | Acetone | 250.000 | 210.911 | 15.6 | 64 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.786 | 0.4 | 83 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 54.355 | -8.7 | 90 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.951 | -5.9 | 84 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 65.233 | -30.5# | 103 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 53.418 | -6.8 | 87 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 56.207 | -12.4 | 89 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 275.983 | -10.4 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.670 | -7.3 | 89 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 238.917 | 4.4 | 76 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.471 | 7.1 | 79 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 53.299 | -6.6 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.828 | -1.7 | 86 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 279.322 | -11.7 | 88 | 0.00 |
| 30 | C | Chloroform | 50.000 | 53.490 | -7.0# | 89 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 50.897 | -1.8 | 86 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.920 | -7.8 | 87 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 52.547 | -5.1 | 89 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 85 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.237 | -2.5 | 89 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.491 | -1.0 | 84 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.041 | -4.1 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.421 | -2.8 | 86 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 52.948 | -5.9 | 85 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.577 | -5.2 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 63.795 | -27.6# | 116 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.728 | -3.5 | 86 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.811 | -3.6 | 86 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.027 | -2.1 | 86 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.852 | -5.7# | 90 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.558 | -1.1 | 86 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.849 | -3.7 | 88 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 55.767 | -11.5 | 89 | 0.00 |

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ALS Vial : 1 Sample Multiplier: 1

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

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Quant Title : SW846 8260
QLast Update : Thu Apr 13 14:16:29 2023
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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 | 999.870 | 0.0 | 82 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.562 | -1.1 | 77 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 257.137 | -2.9 | 77 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.149 | -2.3# | 77 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.412 | 3.2 | 75 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.640 | -1.3 | 77 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.370 | -0.7 | 81 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 51.055 | -2.1 | 75 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.014 | -2.0 | 83 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 251.358 | -0.5 | 75 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 247.076 | 1.2 | 74 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.120 | -0.2 | 79 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 48.859 | 2.3 | 78 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.582 | -5.2 | 85 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.308 | -2.6 | 75 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.792 | -5.6 | 89 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.709 | -7.4 | 90 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.758 | -9.5# | 86 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 111.992 | -12.0 | 88 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 56.761 | -13.5 | 87 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.610 | -7.2 | 87 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.545 | -11.1 | 89 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 83 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 55.777 | -11.6 | 87 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.190 | -8.4 | 87 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.791 | -7.6 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 56.198 | -12.4 | 107 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.911 | -5.8 | 88 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 55.238 | -10.5 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 53.234 | -6.5 | 88 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 55.980 | -12.0 | 89 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.754 | -1.5 | 80 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.312 | -4.6 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 56.179 | -12.4 | 88 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.433 | -10.9 | 87 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 55.561 | -11.1 | 87 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 54.889 | -9.8 | 85 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.671 | -5.3 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.747 | -3.5 | 87 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.411 | -4.8 | 83 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.737 | -7.5 | 92 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.665 | -7.3 | 90 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.775 | -7.5 | 93 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.816 | 4.4 | 83 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.754 | 4.5 | 86 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.972 | -5.9 | 88 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.592 | -1.2 | 89 | 0.00 |

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