# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
Data File : VD073906.D
Acq On : 21 Jul 2022 20:11
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jul 22 01:20:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 20 15:29:08 2022
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 | 52.456 | -4.9 | 97 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 67.637 | -35.3# | 111 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 54.200 | -8.4# | 100 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 34.935 | 30.1# | 70 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 51.195 | -2.4 | 94 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 94.764 | -89.5# | 177 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.349 | -8.7 | 100 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.764 | -1.5 | 94 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 55.352 | -10.7 | 90 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 281.459 | -12.6 | 99 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.065 | -6.1# | 96 | -0.01 |
| 13 | T | Acrolein | 250.000 | 221.489 | 11.4 | 90 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.844 | 0.3 | 91 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 292.097 | -16.8 | 103 | 0.00 |
| 16 | T | Acetone | 250.000 | 223.346 | 10.7 | 69 | 0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 49.960 | 0.1 | 92 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 61.061 | -22.1 | 105 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 58.173 | -16.3 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 66.270 | -32.5# | 110 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 54.403 | -8.8 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 53.873 | -7.7 | 98 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 287.775 | -15.1 | 99 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.418 | -6.8 | 99 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 267.759 | -7.1 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.705 | -1.4 | 94 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 54.338 | -8.7 | 101 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 55.752 | -11.5 | 97 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 293.602 | -17.4 | 104 | 0.00 |
| 30 | C | Chloroform | 50.000 | 54.947 | -9.9# | 101 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.463 | 5.1 | 91 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 55.252 | -10.5 | 100 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.238 | -2.5 | 95 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 54.408 | -8.8 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 54.051 | -8.1 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 59.994 | -20.0 | 117 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.518 | -3.0 | 95 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.300 | -6.6 | 93 | 0.00 |
| 40 | TM | Benzene | 50.000 | 55.047 | -10.1 | 97 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.801 | -11.6 | 102 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.863 | -9.7 | 98 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 59.604 | -19.2 | 104 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 54.940 | -9.9 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 54.434 | -8.9# | 98 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 58.233 | -16.5 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 55.899 | -11.8 | 101 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 53.787 | -7.6 | 94 | 0.00 |

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ALS Vial : 20 Sample Multiplier: 1

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

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Quant Title : SW846 8260
QLast Update : Wed Jul 20 15:29:08 2022
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 | 1126.617 | -12.7 | 103 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 54.304 | -8.6 | 96 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 308.875 | -23.5 | 107 | 0.00 |
| 52 | CM | Toluene | 50.000 | 56.638 | -13.3# | 99 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 57.272 | -14.5 | 99 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 57.055 | -14.1 | 99 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 58.827 | -17.7 | 105 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 61.999 | -24.0 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 57.618 | -15.2 | 103 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 241.775 | 3.3 | 87 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 305.009 | -22.0 | 102 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 59.326 | -18.7 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 59.295 | -18.6 | 105 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 54.186 | -8.4 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 57.199 | -14.4 | 102 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 55.713 | -11.4 | 100 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.447 | -10.9 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.696 | -9.4# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 111.651 | -11.7 | 96 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 56.202 | -12.4 | 98 | 0.00 |
| 70 | T | Styrene | 50.000 | 56.985 | -14.0 | 100 | 0.00 |
| 71 | P | Bromoform | 50.000 | 58.773 | -17.5 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.526 | -1.1 | 95 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 56.473 | -12.9 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.815 | -9.6 | 103 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.253 | -6.5 | 119 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 54.021 | -8.0 | 103 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.118 | -0.2 | 93 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.677 | -1.4 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.871 | -1.7 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.439 | -0.9 | 92 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.388 | -0.8 | 94 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.065 | -0.1 | 94 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.935 | -1.9 | 94 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.728 | 0.5 | 92 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.896 | 0.2 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.182 | -4.4 | 98 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 52.573 | -5.1 | 100 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 46.638 | 6.7 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 46.196 | 7.6 | 86 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.859 | -5.7 | 99 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 57.469 | -14.9 | 105 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.902 | 0.2 | 93 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 42.224 | 15.6 | 81 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 57.396 | -14.8 | 102 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.411 | -4.8 | 95 | 0.00 |

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