# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
Data File : VD073356.D
Acq On : 25 May 2022 07:37
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

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

Quant Time: May 25 07:58:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 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 | 79 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 38.827 | 22.3 | 70 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 42.287 | 15.4 | 77 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 40.943 | 18.1# | 70 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 50.095 | -0.2 | 78 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 45.896 | 8.2 | 78 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 44.781 | 10.4 | 76 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 53.625 | -7.2 | 87 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 45.195 | 9.6 | 78 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 43.375 | 13.3 | 69 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 113.123 | 54.8# | 69 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.963 | 4.1# | 79 | 0.00 |
| 13 | T | Acrolein | 250.000 | 210.454 | 15.8 | 70 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.249 | 5.5 | 77 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 292.716 | -17.1 | 95 | 0.00 |
| 16 | T | Acetone | 250.000 | 254.110 | -1.6 | 93 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 39.795 | 20.4 | 67 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 56.619 | -13.2 | 97 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 58.628 | -17.3 | 94 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 67.263 | -34.5# | 108 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.829 | -1.7 | 83 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 56.836 | -13.7 | 90 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 288.604 | -15.4 | 91 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.912 | -5.8 | 89 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 283.291 | -13.3 | 96 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 41.988 | 16.0 | 71 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 54.885 | -9.8 | 90 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 53.370 | -6.7 | 87 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 292.304 | -16.9 | 95 | 0.00 |
| 30 | C | Chloroform | 50.000 | 55.593 | -11.2# | 93 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 40.666 | 18.7 | 69 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.669 | -1.3 | 85 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.074 | -8.1 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 83 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 54.634 | -9.3 | 90 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.929 | 4.1 | 81 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 54.944 | -9.9 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.457 | 3.1 | 80 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 42.594 | 14.8 | 69 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.285 | -4.6 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 49.500 | 1.0 | 96 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 55.196 | -10.4 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 56.422 | -12.8 | 94 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.063 | -4.1 | 88 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 55.190 | -10.4# | 93 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.629 | -11.3 | 95 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 55.520 | -11.0 | 94 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 58.079 | -16.2 | 96 | 0.00 |

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ALS Vial : 45 Sample Multiplier: 1

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MSVOA_D
**LabSampleId :**
VSTDCCC050

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QLast Update : Thu May 19 15:13:42 2022
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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 | 1145.873 | -14.6 | 97 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 54.787 | -9.6 | 89 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 302.276 | -20.9 | 100 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.786 | -9.6# | 89 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.853 | -5.7 | 90 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.647 | -5.3 | 88 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 58.703 | -17.4 | 100 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 61.664 | -23.3 | 96 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 57.940 | -15.9 | 96 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 252.645 | -1.1 | 90 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 304.317 | -21.7 | 99 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 58.628 | -17.3 | 100 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 57.685 | -15.4 | 98 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 56.114 | -12.2 | 93 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 89 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.268 | 3.5 | 88 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.443 | -4.9 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.293 | -8.6 | 97 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.194 | -4.4# | 90 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 105.577 | -5.6 | 90 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.154 | -8.3 | 93 | 0.00 |
| 70 | T | Styrene | 50.000 | 56.721 | -13.4 | 96 | 0.00 |
| 71 | P | Bromoform | 50.000 | 57.254 | -14.5 | 103 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.715 | 2.6 | 90 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 52.277 | -4.6 | 99 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.352 | -4.7 | 103 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 58.487 | -17.0 | 114 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.611 | -1.2 | 98 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 48.579 | 2.8 | 90 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.479 | 1.0 | 94 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.283 | -0.6 | 93 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 48.562 | 2.9 | 92 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.868 | 0.3 | 94 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.302 | -0.6 | 94 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.946 | -1.9 | 96 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 47.828 | 4.3 | 90 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.678 | 2.6 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.481 | -1.0 | 98 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.700 | 0.6 | 99 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.325 | 3.3 | 89 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.650 | 2.7 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.349 | -2.7 | 100 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.471 | -6.9 | 107 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.573 | -3.1 | 97 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 45.811 | 8.4 | 92 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.433 | -0.9 | 104 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.053 | -6.1 | 100 | 0.00 |

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