# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012022\
Data File : VD071765.D
Acq On : 20 Jan 2022 17:22
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jan 21 03:16:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 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 | 93 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 47.566 | 4.9 | 92 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.586 | 2.8 | 94 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.940 | 2.1# | 101 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 47.948 | 4.1 | 98 | -0.01 |
| 6 | T | Chloroethane | 50.000 | 49.857 | 0.3 | 104 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 48.075 | 3.8 | 101 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.382 | -2.8 | 102 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.437 | 1.1 | 101 | -0.01 |
| 10 | T | Methyl Iodide | 50.000 | 45.682 | 8.6 | 85 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 359.204 | -43.7# | 126 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.129 | 5.7# | 96 | -0.01 |
| 13 | T | Acrolein | 250.000 | 161.390 | 35.4# | 60 | -0.01 |
| 14 | T | Allyl chloride | 50.000 | 50.068 | -0.1 | 104 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 271.941 | -8.8 | 108 | 0.00 |
| 16 | T | Acetone | 250.000 | 268.553 | -7.4 | 103 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.832 | 12.3 | 86 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 56.031 | -12.1 | 109 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.912 | -5.8 | 106 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.896 | -3.8 | 103 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.596 | 4.8 | 97 | -0.01 |
| 22 | T | Diisopropyl ether | 50.000 | 53.213 | -6.4 | 103 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 282.493 | -13.0 | 107 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.589 | -1.2 | 102 | -0.01 |
| 25 | T | 2-Butanone | 250.000 | 280.145 | -12.1 | 113 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.997 | 0.0 | 101 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.485 | -1.0 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 48.345 | 3.3 | 91 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 277.597 | -11.0 | 110 | 0.00 |
| 30 | C | Chloroform | 50.000 | 51.798 | -3.6# | 104 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.463 | 3.1 | 96 | -0.01 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.764 | -1.5 | 103 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 55.362 | -10.7 | 98 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 89 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 56.333 | -12.7 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.067 | -2.1 | 100 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 54.776 | -9.6 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 54.220 | -8.4 | 105 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.098 | -0.2 | 95 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.056 | -4.1 | 100 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.559 | -11.1 | 123 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.368 | -8.7 | 105 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 58.176 | -16.4 | 111 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.031 | -2.1 | 99 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 54.879 | -9.8# | 105 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.458 | -6.9 | 101 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 55.767 | -11.5 | 105 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.674 | -5.3 | 108 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jan 21 03:16:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 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 | 1320.691 | -32.1# | 121 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 56.873 | -13.7 | 96 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 303.103 | -21.2 | 113 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.336 | -8.7# | 103 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 57.466 | -14.9 | 111 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 55.721 | -11.4 | 106 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 58.184 | -16.4 | 109 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 60.189 | -20.4 | 110 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 55.778 | -11.6 | 108 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 275.331 | -10.1 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 307.797 | -23.1 | 114 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 59.162 | -18.3 | 111 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 56.066 | -12.1 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 56.696 | -13.4 | 101 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.914 | -1.8 | 102 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.614 | -3.2 | 103 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.009 | -4.0 | 107 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.406 | -4.8# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 107.217 | -7.2 | 103 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.243 | -6.5 | 105 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.422 | -10.8 | 106 | 0.00 |
| 71 | P | Bromoform | 50.000 | 57.408 | -14.8 | 112 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.182 | -2.4 | 104 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 57.384 | -14.8 | 118 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.227 | -6.5 | 113 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 57.440 | -14.9 | 133 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.776 | -1.6 | 108 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.931 | -3.9 | 107 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.067 | -0.1 | 104 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.032 | -2.1 | 104 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 56.836 | -13.7 | 121 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.865 | -1.7 | 104 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.682 | -5.4 | 108 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.842 | -3.7 | 106 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.753 | -3.5 | 103 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.989 | -6.0 | 107 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.040 | -4.1 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.667 | 0.7 | 105 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.254 | -4.5 | 106 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.748 | -3.5 | 109 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.005 | -6.0 | 110 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 55.804 | -11.6 | 123 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 53.391 | -6.8 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.375 | -2.8 | 108 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 56.922 | -13.8 | 113 | 0.00 |

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Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 2022
Response via : Initial Calibration

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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 | 55.550 | -11.1 | 114 | 0.00 |

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