# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
Data File : VD078074.D
Acq On : 22 Dec 2023 19:50
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Dec 23 03:41:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 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 | 163 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 37.086 | 25.8# | 125 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 40.123 | 19.8 | 133 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 41.281 | 17.4# | 131 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 57.879 | -15.8 | 182 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 44.439 | 11.1 | 142 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 43.417 | 13.2 | 139 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 45.748 | 8.5 | 145 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 44.095 | 11.8 | 139 | 0.01 |
| 10 | T | Methyl Iodide | 50.000 | 65.761 | -31.5# | 219 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 181.776 | 27.3# | 123 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.721 | 6.6# | 147 | 0.00 |
| 13 | T | Acrolein | 250.000 | 147.699 | 40.9# | 97 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 38.162 | 23.7 | 122 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 200.168 | 19.9 | 130 | 0.00 |
| 16 | T | Acetone | 250.000 | 161.302 | 35.5# | 121 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 42.206 | 15.6 | 135 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 39.756 | 20.5 | 129 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 46.344 | 7.3 | 148 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 50.222 | -0.4 | 157 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.154 | 3.7 | 148 | 0.01 |
| 22 | T | Diisopropyl ether | 50.000 | 39.886 | 20.2 | 124 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 190.353 | 23.9 | 119 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 43.509 | 13.0 | 138 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 174.175 | 30.3# | 123 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 43.213 | 13.6 | 138 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.649 | -1.3 | 157 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 36.716 | 26.6# | 116 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 176.997 | 29.2# | 115 | 0.00 |
| 30 | C | Chloroform | 50.000 | 46.842 | 6.3# | 147 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 35.649 | 28.7# | 116 | 0.01 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.105 | 7.8 | 144 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 35.786 | 28.4# | 114 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 165 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 44.739 | 10.5 | 136 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 45.037 | 9.9 | 136 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 35.369 | 29.3# | 123 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 46.638 | 6.7 | 141 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 43.493 | 13.0 | 128 | 0.00 |
| 40 | TM | Benzene | 50.000 | 46.619 | 6.8 | 141 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 37.132 | 25.7# | 125 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 46.605 | 6.8 | 143 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 37.996 | 24.0 | 120 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.507 | -5.0 | 157 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 45.126 | 9.7# | 138 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.167 | -0.3 | 153 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.777 | 2.4 | 147 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 38.614 | 22.8 | 120 | 0.00 |

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ALS Vial : 21 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 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 | 870.287 | 13.0 | 153 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 39.803 | 20.4 | 118 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 188.891 | 24.4 | 117 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.507 | 1.0# | 146 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 47.300 | 5.4 | 143 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.010 | 4.0 | 145 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 49.089 | 1.8 | 150 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 45.487 | 9.0 | 138 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 46.417 | 7.2 | 141 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 194.319 | 22.3 | 130 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 162.527 | 35.0# | 115 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.166 | -4.3 | 158 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.501 | -3.0 | 161 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 40.524 | 19.0 | 123 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 157 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 52.829 | -5.7 | 153 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.703 | 0.6 | 149 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.297 | -4.6 | 153 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.398 | -2.8# | 148 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 109.685 | -9.7 | 155 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.588 | -9.2 | 156 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.784 | -3.6 | 147 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.392 | -4.8 | 156 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 146 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.714 | -5.4 | 143 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 39.979 | 20.0 | 116 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.927 | 2.1 | 137 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.521 | 5.0 | 116 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 59.069 | -18.1 | 166 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 55.214 | -10.4 | 148 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 57.695 | -15.4 | 159 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 63.241 | -26.5# | 170 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 46.449 | 7.1 | 132 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.803 | -3.6 | 142 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.174 | -4.3 | 139 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 93.683 | -87.4# | 252 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.373 | -2.7 | 137 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.058 | -6.1 | 139 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.568 | -5.1 | 143 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.578 | -3.2 | 143 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.255 | -2.5 | 134 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.944 | -9.9 | 149 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.999 | -4.0 | 147 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.318 | 3.4 | 135 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 50.013 | -0.0 | 145 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.997 | -2.0 | 139 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 65.942 | -31.9# | 183 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.778 | -3.6 | 148 | 0.00 |

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