# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081522\
Data File : VD074100.D
Acq On : 15 Aug 2022 20:03
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Aug 15 22:49:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 15 22:46:28 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 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 39.732 | 20.5 | 74 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.650 | 2.7 | 85 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 41.075 | 17.8# | 82 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 37.835 | 24.3 | 82 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.878 | 2.2 | 83 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 41.255 | 17.5 | 75 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 43.525 | 13.0 | 86 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 44.309 | 11.4 | 76 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 43.306 | 13.4 | 85 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 287.938 | -15.2 | 103 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 43.562 | 12.9# | 78 | 0.00 |
| 13 | T | Acrolein | 250.000 | 254.218 | -1.7 | 89 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 42.783 | 14.4 | 79 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 280.697 | -12.3 | 102 | 0.00 |
| 16 | T | Acetone | 250.000 | 230.911 | 7.6 | 76 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 41.868 | 16.3 | 78 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 59.207 | -18.4 | 102 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.920 | -5.8 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.683 | -5.4 | 90 | -0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 41.530 | 16.9 | 79 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.089 | -0.2 | 88 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 278.521 | -11.4 | 94 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 45.153 | 9.7 | 84 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 249.742 | 0.1 | 93 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 41.358 | 17.3 | 77 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 45.314 | 9.4 | 85 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.740 | -5.5 | 98 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 286.929 | -14.8 | 105 | 0.00 |
| 30 | C | Chloroform | 50.000 | 47.648 | 4.7# | 88 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 41.009 | 18.0 | 73 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 44.142 | 11.7 | 80 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 55.224 | -10.4 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.310 | 3.4 | 89 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 43.138 | 13.7 | 79 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.442 | -6.9 | 96 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 44.822 | 10.4 | 80 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 39.700 | 20.6 | 70 | 0.00 |
| 40 | TM | Benzene | 50.000 | 45.981 | 8.0 | 85 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 58.308 | -16.6 | 111 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.958 | -1.9 | 91 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 57.506 | -15.0 | 102 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 44.103 | 11.8 | 82 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.627 | 2.7# | 88 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.588 | -9.2 | 99 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 49.954 | 0.1 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.884 | -3.8 | 90 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1311.168 | -31.1# | 111 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 43.306 | 13.4 | 88 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 303.972 | -21.6 | 106 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.250 | 3.5# | 86 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.693 | -5.4 | 92 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.947 | 0.1 | 89 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.917 | -5.8 | 94 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 58.455 | -16.9 | 98 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.712 | -7.4 | 99 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 277.603 | -11.0 | 96 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 303.422 | -21.4 | 101 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.304 | -6.6 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.595 | -9.2 | 98 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.041 | -4.1 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 43.292 | 13.4 | 80 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 46.259 | 7.5 | 87 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.836 | 2.3 | 94 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 46.438 | 7.1# | 84 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 93.575 | 6.4 | 84 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.572 | 2.9 | 85 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.817 | -1.6 | 91 | 0.00 |
| 71 | P | Bromoform | 50.000 | 57.177 | -14.4 | 100 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 71 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 47.296 | 5.4 | 82 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 58.244 | -16.5 | 103 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 55.860 | -11.7 | 104 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 54.279 | -8.6 | 98 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.761 | 0.5 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 46.768 | 6.5 | 83 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.333 | 5.3 | 85 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.309 | 3.4 | 83 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 54.532 | -9.1 | 103 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 47.545 | 4.9 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 45.732 | 8.5 | 68 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 47.158 | 5.7 | 72 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 45.160 | 9.7 | 68 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 46.121 | 7.8 | 68 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 47.175 | 5.7 | 73 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 46.190 | 7.6 | 71 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 44.541 | 10.9 | 68 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 43.437 | 13.1 | 71 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 46.604 | 6.8 | 72 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.550 | -7.1 | 92 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 40.455 | 19.1 | 58 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 37.215 | 25.6# | 53 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.211 | -0.4 | 74 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 43.407 | 13.2 | 63 | 0.00 |

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