# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050322\
Data File : VY008579.D
Acq On : 03 May 2022 09:44
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: May 03 16:54:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 01:57:20 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 | 116 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.878 | 12.2 | 114 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 44.726 | 10.5 | 109 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.376 | 11.2# | 107 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 46.326 | 7.3 | 106 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 43.335 | 13.3 | 104 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 45.287 | 9.4 | 109 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 48.632 | 2.7 | 115 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.701 | 6.6 | 114 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 44.689 | 10.6 | 96 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 258.530 | -3.4 | 125 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.879 | 4.2# | 114 | 0.00 |
| 13 | T | Acrolein | 250.000 | 263.314 | -5.3 | 126 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.666 | 0.7 | 116 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 256.052 | -2.4 | 122 | 0.00 |
| 16 | T | Acetone | 250.000 | 278.378 | -11.4 | 129 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.631 | 0.7 | 116 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 50.417 | -0.8 | 120 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 47.754 | 4.5 | 113 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 43.993 | 12.0 | 104 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.133 | 3.7 | 114 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 48.979 | 2.0 | 114 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 257.219 | -2.9 | 116 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.014 | 4.0 | 113 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 266.144 | -6.5 | 125 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 47.171 | 5.7 | 111 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.322 | 5.4 | 112 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 44.951 | 10.1 | 106 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 262.703 | -5.1 | 125 | 0.00 |
| 30 | C | Chloroform | 50.000 | 47.096 | 5.8# | 110 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.585 | 4.8 | 116 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.436 | 7.1 | 109 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.100 | -2.2 | 115 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 116 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.547 | -5.1 | 119 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.326 | 3.3 | 114 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.066 | -0.1 | 120 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 46.447 | 7.1 | 109 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.866 | 4.3 | 112 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.998 | 2.0 | 114 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 51.371 | -2.7 | 130 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 46.432 | 7.1 | 108 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.113 | -0.2 | 116 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 46.711 | 6.6 | 111 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.490 | 1.0# | 114 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 48.043 | 3.9 | 112 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.176 | 3.6 | 111 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.562 | 0.9 | 116 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Tue May 03 01:57:20 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 | 1071.355 | -7.1 | 122 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 55.209 | -10.4 | 124 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 258.277 | -3.3 | 120 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.615 | 2.8# | 114 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.021 | 2.0 | 113 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.991 | 2.0 | 112 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.699 | 2.6 | 114 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 51.089 | -2.2 | 116 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.513 | 1.0 | 115 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 275.254 | -10.1 | 122 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 271.903 | -8.8 | 123 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.318 | 3.4 | 110 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 48.317 | 3.4 | 112 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.758 | -3.5 | 118 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 112 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.028 | 5.9 | 109 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.943 | 2.1 | 110 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.421 | 3.2 | 108 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 48.970 | 2.1# | 110 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 98.053 | 1.9 | 111 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.211 | 1.6 | 111 | 0.00 |
| 70 | T | Styrene | 50.000 | 49.810 | 0.4 | 111 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.578 | -1.2 | 113 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 108 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.815 | 0.4 | 110 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.587 | -9.2 | 116 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.746 | -7.5 | 119 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.683 | 0.6 | 117 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.375 | 3.3 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.407 | -0.8 | 111 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.702 | 0.6 | 109 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.868 | 0.3 | 109 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 55.746 | -11.5 | 119 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.343 | -0.7 | 111 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.255 | 1.5 | 108 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.594 | 0.8 | 109 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.475 | 1.0 | 109 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.404 | 1.2 | 107 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 47.683 | 4.6 | 106 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.006 | 4.0 | 107 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.188 | -0.4 | 109 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.821 | 0.4 | 109 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 48.534 | 2.9 | 107 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.619 | -7.2 | 121 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 46.987 | 6.0 | 103 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 46.873 | 6.3 | 104 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.019 | -0.0 | 109 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.496 | 7.0 | 102 | 0.00 |

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