# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
Data File : VY008883.D
Acq On : 19 May 2022 21:13
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: May 20 02:55:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 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 | 97 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 51.539 | -3.1 | 101 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 59.387 | -18.8 | 103 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 55.765 | -11.5# | 101 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 57.198 | -14.4 | 121 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 54.167 | -8.3 | 102 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.687 | -1.4 | 96 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.857 | -9.7 | 116 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 54.959 | -9.9 | 104 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.695 | 2.6 | 100 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 213.933 | 14.4 | 89 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.501 | 7.0# | 101 | 0.00 |
| 13 | T | Acrolein | 250.000 | 106.206 | 57.5# | 64 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.213 | -4.4 | 112 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 234.637 | 6.1 | 96 | 0.00 |
| 16 | T | Acetone | 250.000 | 233.355 | 6.7 | 90 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.931 | -1.9 | 102 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 47.165 | 5.7 | 97 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 59.891 | -19.8 | 123 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 55.864 | -11.7 | 108 | 0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.095 | -2.2 | 109 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 65.439 | -30.9# | 133 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 300.209 | -20.1 | 118 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 56.104 | -12.2 | 118 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 235.577 | 5.8 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.308 | -0.6 | 105 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 56.982 | -14.0 | 119 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.654 | -5.3 | 104 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 238.418 | 4.6 | 95 | 0.00 |
| 30 | C | Chloroform | 50.000 | 57.453 | -14.9# | 118 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 55.819 | -11.6 | 110 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.690 | -9.4 | 113 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 53.805 | -7.6 | 96 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.280 | 3.4 | 97 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.109 | 1.8 | 110 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 44.475 | 11.0 | 101 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.462 | 1.1 | 111 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 51.772 | -3.5 | 113 | 0.00 |
| 40 | TM | Benzene | 50.000 | 54.433 | -8.9 | 119 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.725 | -7.5 | 119 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 56.708 | -13.4 | 125 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.295 | -6.6 | 114 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.016 | -4.0 | 114 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 58.240 | -16.5# | 125 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.089 | -10.2 | 123 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 59.165 | -18.3 | 129 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.499 | -9.0 | 115 | 0.00 |

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ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: May 20 02:55:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 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 | 948.328 | 5.2 | 99 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 45.817 | 8.4 | 96 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 257.474 | -3.0 | 108 | 0.00 |
| 52 | CM | Toluene | 50.000 | 57.214 | -14.4# | 119 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 58.524 | -17.0 | 122 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 58.132 | -16.3 | 125 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 59.485 | -19.0 | 125 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 62.888 | -25.8# | 127 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 59.452 | -18.9 | 127 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 274.648 | -9.9 | 111 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 245.759 | 1.7 | 99 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 60.937 | -21.9 | 130 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 56.707 | -13.4 | 120 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.565 | 2.9 | 104 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 112 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.135 | 1.7 | 119 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.940 | -5.9 | 123 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 57.251 | -14.5 | 133 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.421 | -8.8# | 123 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 113.078 | -13.1 | 123 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 58.494 | -17.0 | 127 | 0.00 |
| 70 | T | Styrene | 50.000 | 61.253 | -22.5 | 130 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.458 | -10.9 | 126 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 114 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.913 | 0.2 | 126 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.802 | -1.6 | 125 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.469 | 9.1 | 119 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 45.287 | 9.4 | 119 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.700 | 0.6 | 129 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.090 | -0.2 | 123 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.553 | -3.1 | 127 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 54.025 | -8.0 | 127 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.671 | 10.7 | 109 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 53.893 | -7.8 | 127 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.404 | -6.8 | 126 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.078 | -10.2 | 128 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.221 | -6.4 | 124 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 54.623 | -9.2 | 124 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.575 | -7.2 | 128 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.828 | -7.7 | 126 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.508 | -3.0 | 120 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.166 | -6.3 | 129 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 54.616 | -9.2 | 129 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 39.304 | 21.4 | 100 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.276 | -4.6 | 130 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.698 | 2.6 | 125 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.770 | 2.5 | 119 | 0.00 |

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QLast Update : Wed May 18 07:32:50 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.729 | -5.5 | 132 | 0.00 |

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