# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
Data File : VX038515.D
Acq On : 26 Oct 2023 11:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 26 13:41:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 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 | 119 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.471 | 7.1 | 108 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.224 | 7.6 | 120 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.106 | 7.8# | 110 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.753 | 2.5 | 109 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 44.389 | 11.2 | 96 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 41.368 | 17.3 | 99 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 44.267 | 11.5 | 107 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.164 | -0.3 | 121 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 51.316 | -2.6 | 123 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 274.984 | -10.0 | 133 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.545 | -3.1# | 123 | 0.00 |
| 13 | T | Acrolein | 250.000 | 274.494 | -9.8 | 146 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 43.075 | 13.8 | 103 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 248.264 | 0.7 | 119 | 0.00 |
| 16 | T | Acetone | 250.000 | 227.069 | 9.2 | 114 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 40.082 | 19.8 | 101 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 53.883 | -7.8 | 130 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.619 | 0.8 | 119 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.322 | 3.4 | 128 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.360 | 5.3 | 112 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 46.780 | 6.4 | 109 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 220.238 | 11.9 | 102 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.308 | 7.4 | 112 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 230.677 | 7.7 | 112 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 27.301 | 45.4# | 64 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.493 | 1.0 | 120 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 44.631 | 10.7 | 101 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 226.212 | 9.5 | 110 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.559 | 0.9# | 115 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 39.596 | 20.8 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.487 | 5.0 | 109 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 44.437 | 11.1 | 105 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 112 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 54.858 | -9.7 | 123 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 43.904 | 12.2 | 102 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.424 | 5.2 | 108 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.573 | -1.1 | 112 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 41.950 | 16.1 | 93 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.918 | 0.2 | 111 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 49.403 | 1.2 | 110 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.988 | 4.0 | 107 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 47.874 | 4.3 | 104 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 54.594 | -9.2 | 121 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.243 | -0.5# | 112 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.539 | -5.1 | 119 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.552 | -9.1 | 116 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.013 | -0.0 | 109 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 26 13:41:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 982.770 | 1.7 | 108 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.009 | 4.0 | 107 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 251.836 | -0.7 | 112 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.855 | 0.3# | 110 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.259 | 3.5 | 100 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.254 | 3.5 | 103 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.881 | -9.8 | 122 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 51.777 | -3.6 | 112 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.174 | -4.3 | 115 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 230.270 | 7.9 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 250.641 | -0.3 | 112 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 61.140 | -22.3 | 130 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.822 | -11.6 | 122 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.898 | -3.8 | 117 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 116 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 58.685 | -17.4 | 134 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.065 | -2.1 | 120 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 58.741 | -17.5 | 128 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 48.002 | 4.0# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 98.230 | 1.8 | 112 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.322 | -0.6 | 117 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.028 | -6.1 | 119 | 0.00 |
| 71 | P | Bromoform | 50.000 | 57.907 | -15.8 | 143 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 124 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 46.242 | 7.5 | 113 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 45.548 | 8.9 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.926 | -1.9 | 125 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 42.981 | 14.0 | 105 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.944 | -5.9 | 132 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 43.767 | 12.5 | 107 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 45.022 | 10.0 | 114 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 46.975 | 6.0 | 114 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 37.496 | 25.0# | 93 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 44.769 | 10.5 | 111 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 46.776 | 6.4 | 115 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 47.502 | 5.0 | 114 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 45.726 | 8.5 | 110 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 46.826 | 6.3 | 113 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.442 | 1.1 | 124 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.198 | 1.6 | 127 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 40.755 | 18.5 | 99 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.444 | 1.1 | 115 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.527 | -3.1 | 130 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.288 | 1.4 | 116 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.671 | 0.7 | 125 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 44.783 | 10.4 | 113 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.974 | 2.1 | 122 | 0.00 |

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Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.314 | -2.6 | 128 | 0.00 |

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