# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
Data File : VX033173.D
Acq On : 01 Dec 2022 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Dec 02 00:55:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 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 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.449 | 9.1 | 101 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 45.237 | 9.5 | 103 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.763 | 4.5# | 106 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 47.323 | 5.4 | 109 | 0.01 |
| 6 | T | Chloroethane | 50.000 | 44.870 | 10.3 | 95 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.254 | 5.5 | 104 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.591 | -5.2 | 115 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.239 | -2.5 | 111 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 44.096 | 11.8 | 88 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 225.512 | 9.8 | 97 | 0.05 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 52.165 | -4.3# | 112 | 0.00 |
| 13 | T | Acrolein | 250.000 | 352.399 | -41.0# | 159 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.591 | -5.2 | 112 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 271.057 | -8.4 | 119 | 0.00 |
| 16 | T | Acetone | 250.000 | 224.360 | 10.3 | 97 | 0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 43.169 | 13.7 | 97 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 54.879 | -9.8 | 122 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 54.982 | -10.0 | 117 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 53.972 | -7.9 | 112 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.637 | 0.7 | 109 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 53.693 | -7.4 | 110 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 266.865 | -6.7 | 109 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.969 | -3.9 | 113 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 258.931 | -3.6 | 111 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 52.902 | -5.8 | 110 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.879 | -5.8 | 111 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.883 | 0.2 | 105 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 263.864 | -5.5 | 115 | 0.01 |
| 30 | C | Chloroform | 50.000 | 52.352 | -4.7# | 110 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.543 | 2.9 | 102 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.519 | -5.0 | 109 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 44.041 | 11.9 | 96 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 111 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 43.538 | 12.9 | 101 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.323 | 1.4 | 107 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.691 | -5.4 | 114 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.810 | 0.4 | 107 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 48.470 | 3.1 | 104 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.112 | -2.2 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 52.851 | -5.7 | 114 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.199 | -0.4 | 107 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.315 | -6.6 | 114 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 53.160 | -6.3 | 113 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.937 | -5.9# | 112 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.394 | -0.8 | 109 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.006 | -6.0 | 111 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.470 | -4.9 | 112 | 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 | 1166.072 | -16.6 | 126 | 0.05 |
| 50 | S | Toluene-d8 | 50.000 | 42.230 | 15.5 | 95 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 266.002 | -6.4 | 113 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.980 | -2.0# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.960 | -1.9 | 110 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.041 | -8.1 | 111 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.077 | -4.2 | 113 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.699 | -13.4 | 114 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.333 | -4.7 | 112 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 260.445 | -4.2 | 111 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 262.612 | -5.0 | 109 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.432 | -6.9 | 108 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.724 | -5.4 | 111 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 44.055 | 11.9 | 98 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.206 | 5.6 | 104 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.169 | -2.3 | 110 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.477 | -7.0 | 111 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.586 | -5.2# | 108 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.922 | -2.9 | 107 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.352 | -4.7 | 108 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.071 | -8.1 | 108 | 0.00 |
| 71 | P | Bromoform | 50.000 | 54.492 | -9.0 | 110 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.217 | -6.4 | 108 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 56.643 | -13.3 | 109 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.127 | -8.3 | 112 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 55.672 | -11.3 | 114 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.588 | -5.2 | 108 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.280 | -6.6 | 106 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.185 | -4.4 | 107 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.217 | -6.4 | 105 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 56.690 | -13.4 | 112 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.708 | -3.4 | 104 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 54.213 | -8.4 | 108 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.659 | -7.3 | 106 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.406 | -6.8 | 105 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.686 | -7.4 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.043 | -4.1 | 107 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.071 | -2.1 | 105 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.915 | -5.8 | 103 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.974 | -7.9 | 108 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.077 | -4.2 | 105 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 56.578 | -13.2 | 110 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.800 | -5.6 | 107 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.859 | 0.3 | 107 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 54.844 | -9.7 | 110 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.110 | -6.2 | 107 | 0.00 |

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