# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
Data File : VN074341.D
Acq On : 04 Sep 2022 01:03
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 05 05:44:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 03 04:35:33 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 | 106 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 51.976 | -4.0 | 113 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 39.305 | 21.4 | 87 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.928 | 10.1# | 95 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 28.077 | 43.8# | 67 | 0.01 |
| 6 | T | Chloroethane | 50.000 | 46.773 | 6.5 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.484 | 5.0 | 113 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.111 | 1.8 | 113 | 0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 45.611 | 8.8 | 108 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 29.161 | 41.7# | 62 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 252.363 | -0.9 | 112 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.796 | 4.4# | 109 | 0.00 |
| 13 | T | Acrolein | 250.000 | 226.863 | 9.3 | 108 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.533 | 2.9 | 107 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 256.194 | -2.5 | 113 | 0.00 |
| 16 | T | Acetone | 250.000 | 251.216 | -0.5 | 117 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.539 | -1.1 | 110 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 47.704 | 4.6 | 116 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.749 | -3.5 | 111 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.130 | -4.3 | 114 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.701 | -1.4 | 109 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 56.707 | -13.4 | 113 | -0.01 |
| 23 | T | Vinyl Acetate | 250.000 | 279.427 | -11.8 | 111 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.241 | -0.5 | 110 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 267.463 | -7.0 | 113 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 37.426 | 25.1# | 82 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.386 | 1.2 | 108 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.514 | -1.0 | 110 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 276.027 | -10.4 | 114 | 0.00 |
| 30 | C | Chloroform | 50.000 | 54.113 | -8.2# | 116 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.597 | 2.8 | 111 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.760 | -7.5 | 112 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.519 | -1.0 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.361 | 1.3 | 102 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.811 | -1.6 | 109 | -0.01 |
| 37 | T | Ethyl Acetate | 50.000 | 49.483 | 1.0 | 114 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.465 | -2.9 | 112 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.687 | -1.4 | 106 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.779 | -3.6 | 111 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.033 | 5.9 | 110 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.577 | -3.2 | 117 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 52.768 | -5.5 | 111 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.347 | 1.3 | 111 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.616 | -5.2# | 115 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.033 | -2.1 | 112 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.207 | -6.4 | 113 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.643 | -3.3 | 115 | 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 | 989.613 | 1.0 | 109 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 52.399 | -4.8 | 105 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 270.547 | -8.2 | 111 | 0.00 |
| 52 | CM | Toluene | 50.000 | 56.682 | -13.4# | 115 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.620 | -7.2 | 107 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.568 | -1.1 | 105 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.433 | -8.9 | 116 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 60.468 | -20.9 | 119 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.550 | -7.1 | 116 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 255.670 | -2.3 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 283.260 | -13.3 | 113 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.741 | -9.5 | 112 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.967 | -11.9 | 117 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.555 | 4.9 | 105 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 113 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.703 | 0.6 | 118 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.709 | -1.4 | 115 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.068 | -0.1 | 111 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.625 | -5.3# | 114 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 103.614 | -3.6 | 112 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.361 | -4.7 | 113 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.755 | -11.5 | 115 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.132 | -6.3 | 114 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 110 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.479 | -3.0 | 113 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 53.630 | -7.3 | 114 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.973 | -1.9 | 118 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.814 | 6.4 | 115 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.145 | 1.7 | 110 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.523 | -7.0 | 112 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.579 | -1.2 | 115 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.147 | -6.3 | 112 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 43.637 | 12.7 | 92 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.606 | -3.2 | 113 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.967 | -1.9 | 112 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.712 | -3.4 | 109 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.672 | -5.3 | 112 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.981 | -8.0 | 109 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.834 | -1.7 | 110 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.941 | 0.1 | 110 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.827 | -5.7 | 109 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 45.228 | 9.5 | 104 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.885 | 0.2 | 115 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.995 | 6.0 | 108 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 48.414 | 3.2 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.948 | -1.9 | 112 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 49.358 | 1.3 | 110 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.005 | -0.0 | 112 | 0.00 |

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