Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021224\
Data File : VN081016.D
Acq On : 12 Feb 2024 20:20
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Feb 13 03:27:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 07 06:22:23 2024
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 | 160 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 39.393 | 21.2 | 118 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.024 | 14.0 | 132 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 68.836 | -37.7# | 224 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 28.573 | 42.9# | 97 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 32.596 | 34.8# | 112 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 36.763 | 26.5# | 114 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 41.762 | 16.5 | 132 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 41.953 | 16.1 | 131 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 46.909 | 6.2 | 140 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 222.659 | 10.9 | 139 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 42.721 | 14.6# | 135 | 0.00 |
| 13 | T | Acrolein | 250.000 | 222.349 | 11.1 | 131 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 34.462 | 31.1# | 109 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 215.401 | 13.8 | 132 | 0.00 |
| 16 | T | Acetone | 250.000 | 172.990 | 30.8# | 120 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 35.542 | 28.9# | 116 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 42.340 | 15.3 | 133 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 41.588 | 16.8 | 127 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 39.664 | 20.7 | 132 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 38.269 | 23.5 | 124 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 38.913 | 22.2 | 120 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 217.889 | 12.8 | 119 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 36.943 | 26.1# | 119 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 183.075 | 26.8# | 123 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 36.018 | 28.0# | 111 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 41.473 | 17.1 | 128 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 37.327 | 25.3# | 116 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 195.084 | 22.0 | 125 | 0.00 |
| 30 | C | Chloroform | 50.000 | 40.361 | 19.3# | 129 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 37.110 | 25.8# | 124 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 40.876 | 18.2 | 123 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 35.869 | 28.3# | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 131 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.339 | 3.3 | 124 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 46.780 | 6.4 | 120 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.310 | 1.4 | 124 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 40.553 | 18.9 | 100 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.792 | -1.6 | 124 | 0.00 |
| 40 | TM | Benzene | 50.000 | 47.514 | 5.0 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.589 | 4.8 | 124 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 45.193 | 9.6 | 111 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 59.450 | -18.9 | 141 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 61.705 | -23.4 | 161 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 43.182 | 13.6# | 108 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 46.399 | 7.2 | 117 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 45.817 | 8.4 | 116 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 41.154 | 17.7 | 113 | 0.00 |

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 07 06:22:23 2024
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 | 1177.948 | -17.8 | 161 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.531 | 4.9 | 123 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 251.891 | -0.8 | 133 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.221 | 1.6# | 133 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 51.525 | -3.0 | 131 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.547 | 0.9 | 129 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.677 | 4.6 | 126 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 62.324 | -24.6 | 138 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.470 | -0.9 | 133 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 260.566 | -4.2 | 123 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 238.361 | 4.7 | 127 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 47.481 | 5.0 | 116 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.430 | -6.9 | 138 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 41.696 | 16.6 | 107 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 145 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 74.075 | -48.2# | 227 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 45.448 | 9.1 | 132 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 44.069 | 11.9 | 123 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 45.681 | 8.6# | 128 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 94.811 | 5.2 | 132 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 46.407 | 7.2 | 127 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.127 | -0.3 | 123 | 0.00 |
| 71 | P | Bromoform | 50.000 | 38.948 | 22.1 | 102 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 140 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.948 | 2.1 | 131 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 46.225 | 7.5 | 125 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 40.782 | 18.4 | 117 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 43.444 | 13.1 | 119 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 45.807 | 8.4 | 128 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 47.404 | 5.2 | 126 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 44.238 | 11.5 | 121 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.691 | 2.6 | 130 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 42.699 | 14.6 | 102 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 43.478 | 13.0 | 116 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.766 | -1.5 | 136 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 47.852 | 4.3 | 125 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.724 | -3.4 | 133 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.760 | -3.5 | 134 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 46.263 | 7.5 | 127 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.432 | 9.1 | 127 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 47.572 | 4.9 | 127 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 0.693 | 98.6# | 2 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 47.382 | 5.2 | 131 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 43.264 | 13.5 | 122 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 59.805 | -19.6 | 156 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 54.252 | -8.5 | 151 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 62.235 | -24.5 | 156 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 62.446 | -24.9 | 163 | 0.00 |

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