# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031524\
Data File : VN081449.D
Acq On : 16 Mar 2024 00:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Mar 16 01:35:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 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 | 76 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 49.376 | 1.2 | 70 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.667 | 2.7 | 79 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 49.450 | 1.1# | 81 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 44.511 | 11.0 | 73 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 52.010 | -4.0 | 88 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.264 | 1.5 | 78 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 56.621 | -13.2 | 88 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 45.373 | 9.3 | 75 | 0.01 |
| 10 | T | Methyl Iodide | 50.000 | 59.141 | -18.3 | 87 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 318.368 | -27.3# | 108 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.233 | 1.5# | 79 | 0.00 |
| 13 | T | Acrolein | 250.000 | 264.865 | -5.9 | 84 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.586 | -5.2 | 86 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 290.466 | -16.2 | 95 | 0.01 |
| 16 | T | Acetone | 250.000 | 281.849 | -12.7 | 97 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.854 | 12.3 | 72 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 70.996 | -42.0# | 109 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 57.773 | -15.5 | 92 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 57.377 | -14.8 | 88 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.293 | 1.4 | 82 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 61.188 | -22.4 | 93 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 291.190 | -16.5 | 89 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 56.351 | -12.7 | 91 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 290.232 | -16.1 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 45.175 | 9.7 | 70 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.018 | -4.0 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 58.143 | -16.3 | 94 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 288.471 | -15.4 | 95 | 0.00 |
| 30 | C | Chloroform | 50.000 | 58.540 | -17.1# | 94 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 41.974 | 16.1 | 70 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.580 | -9.2 | 87 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 59.783 | -19.6 | 88 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 81 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 56.059 | -12.1 | 86 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.882 | 4.2 | 80 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 54.258 | -8.5 | 89 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.428 | -0.9 | 81 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 40.243 | 19.5 | 65 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.648 | -3.3 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 56.068 | -12.1 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 57.396 | -14.8 | 95 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.478 | -7.0 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.469 | 3.1 | 80 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 54.493 | -9.0# | 91 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.942 | -11.9 | 91 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 57.503 | -15.0 | 94 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 58.254 | -16.5 | 96 | 0.00 |

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Mar 16 01:35:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 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 | 972.725 | 2.7 | 86 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.610 | -3.2 | 78 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 291.691 | -16.7 | 96 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.804 | -1.6# | 82 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 55.515 | -11.0 | 89 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.752 | -7.5 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 56.046 | -12.1 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 58.413 | -16.8 | 90 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 55.206 | -10.4 | 92 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 295.355 | -18.1 | 90 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 291.140 | -16.5 | 95 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 57.344 | -14.7 | 92 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.399 | -10.8 | 91 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.924 | -3.8 | 78 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 81 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.925 | 0.2 | 85 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.527 | -1.1 | 85 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.670 | -7.3 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.005 | -0.0# | 80 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 98.780 | 1.2 | 80 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.563 | -1.1 | 82 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.564 | -11.1 | 85 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.959 | -11.9 | 89 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 80 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.104 | -0.2 | 78 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 58.484 | -17.0 | 90 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.931 | -7.9 | 92 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.844 | 2.3 | 83 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.103 | 3.8 | 82 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.741 | -1.5 | 77 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.731 | -1.5 | 82 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.831 | -5.7 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.788 | -7.6 | 76 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.725 | -1.5 | 81 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.592 | 2.8 | 76 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.821 | -5.6 | 82 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.445 | 1.1 | 76 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.696 | -1.4 | 77 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.434 | 3.1 | 82 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.476 | 3.0 | 82 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.750 | 2.5 | 74 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 52.385 | -4.8 | 81 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.093 | -2.2 | 86 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 55.230 | -10.5 | 90 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.453 | 1.1 | 78 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 44.691 | 10.6 | 74 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 54.706 | -9.4 | 84 | 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 | 51.284 | -2.6 | 83 | 0.00 |

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