# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
Data File : VN082282.D
Acq On : 22 May 2024 10:25
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 23 01:47:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.721 | 0.630 | 12.6 | 98 | 0.00 |
| 3 | P | Chloromethane | 0.817 | 0.635 | 22.3 | 92 | 0.00 |
| 4 | C | Vinyl Chloride | 0.768 | 0.636 | 17.2# | 96 | 0.00 |
| 5 | T | Bromomethane | 0.441 | 0.346 | 21.5 | 97 | 0.00 |
| 6 | T | Chloroethane | 0.501 | 0.415 | 17.2 | 101 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.006 | 0.971 | 3.5 | 111 | 0.00 |
| 8 | T | Diethyl Ether | 0.358 | 0.353 | 1.4 | 110 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.588 | 0.537 | 8.7 | 108 | 0.00 |
| 10 | T | Methyl Iodide | 0.591 | 0.592 | -0.2 | 111 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.127 | 0.119 | 6.3 | 107 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.546 | 0.514 | 5.9# | 108 | 0.00 |
| 13 | T | Acrolein | 0.094 | 0.068 | 27.7# | 80 | 0.00 |
| 14 | T | Allyl chloride | 1.169 | 1.034 | 11.5 | 106 | 0.00 |
| 15 | T | Acrylonitrile | 0.328 | 0.306 | 6.7 | 105 | 0.00 |
| 16 | T | Acetone | 0.324 | 0.271 | 16.4 | 91 | 0.00 |
| 17 | T | Carbon Disulfide | 1.764 | 1.402 | 20.5 | 97 | 0.00 |
| 18 | T | Methyl Acetate | 0.807 | 0.743 | 7.9 | 110 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.996 | 1.981 | 0.8 | 111 | 0.00 |
| 20 | T | Methylene Chloride | 0.653 | 0.584 | 10.6 | 108 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.595 | 0.546 | 8.2 | 108 | 0.00 |
| 22 | T | Diisopropyl ether | 2.441 | 2.266 | 7.2 | 105 | 0.00 |
| 23 | T | Vinyl Acetate | 1.925 | 1.824 | 5.2 | 103 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.258 | 1.146 | 8.9 | 107 | 0.00 |
| 25 | T | 2-Butanone | 0.491 | 0.445 | 9.4 | 102 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.054 | 1.007 | 4.5 | 109 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.702 | 0.667 | 5.0 | 109 | 0.00 |
| 28 | T | Bromochloromethane | 0.586 | 0.499 | 14.8 | 106 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.315 | 0.300 | 4.8 | 106 | 0.00 |
| 30 | C | Chloroform | 1.202 | 1.160 | 3.5# | 113 | 0.00 |
| 31 | T | Cyclohexane | 1.261 | 1.038 | 17.7 | 104 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.066 | 1.043 | 2.2 | 111 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.790 | 0.744 | 5.8 | 110 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.308 | 0.303 | 1.6 | 113 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.516 | 0.478 | 7.4 | 105 | 0.00 |
| 37 | T | Ethyl Acetate | 0.577 | 0.559 | 3.1 | 105 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.523 | 0.527 | -0.8 | 113 | 0.00 |
| 39 | T | Methylcyclohexane | 0.565 | 0.544 | 3.7 | 105 | 0.00 |
| 40 | TM | Benzene | 1.538 | 1.460 | 5.1 | 108 | 0.00 |
| 41 | T | Methacrylonitrile | 0.340 | 0.315 | 7.4 | 106 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.592 | 0.572 | 3.4 | 111 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.023 | 1.005 | 1.8 | 110 | 0.00 |
| 44 | TM | Trichloroethene | 0.349 | 0.342 | 2.0 | 113 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.397 | 0.367 | 7.6# | 106 | 0.00 |
| 46 | T | Dibromomethane | 0.261 | 0.251 | 3.8 | 110 | 0.00 |
| 47 | T | Bromodichloromethane | 0.550 | 0.544 | 1.1 | 110 | 0.00 |
| 48 | T | Methyl methacrylate | 0.487 | 0.476 | 2.3 | 107 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 23 01:47:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.007 | 0.0 | 109 | 0.00 |
| 50 | S | Toluene-d8 | 1.179 | 1.141 | 3.2 | 109 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.581 | 0.574 | 1.2 | 107 | 0.00 |
| 52 | CM | Toluene | 0.923 | 0.912 | 1.2# | 109 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.569 | 0.588 | -3.3 | 111 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.602 | 0.605 | -0.5 | 110 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.335 | 0.331 | 1.2 | 113 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.570 | 0.610 | -7.0 | 111 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.627 | 0.600 | 4.3 | 109 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.294 | 0.286 | 2.7 | 104 | 0.00 |
| 59 | T | 2-Hexanone | 0.426 | 0.426 | 0.0 | 105 | 0.00 |
| 60 | T | Dibromochloromethane | 0.370 | 0.399 | -7.8 | 113 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.341 | 1.2 | 112 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.421 | 0.434 | -3.1 | 114 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 64 | T | Tetrachloroethene | 0.371 | 0.378 | -1.9 | 117 | 0.00 |
| 65 | PM | Chlorobenzene | 1.105 | 1.084 | 1.9 | 111 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.364 | 0.375 | -3.0 | 112 | 0.00 |
| 67 | C | Ethyl Benzene | 1.976 | 1.988 | -0.6# | 110 | 0.00 |
| 68 | T | m/p-Xylenes | 0.724 | 0.738 | -1.9 | 109 | 0.00 |
| 69 | T | o-Xylene | 0.701 | 0.724 | -3.3 | 111 | 0.00 |
| 70 | T | Styrene | 1.165 | 1.240 | -6.4 | 112 | 0.00 |
| 71 | P | Bromoform | 0.261 | 0.291 | -11.5 | 114 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 73 | T | Isopropylbenzene | 3.972 | 4.001 | -0.7 | 112 | 0.00 |
| 74 | T | N-amyl acetate | 2.185 | 2.081 | 4.8 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.145 | 1.063 | 7.2 | 108 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.052 | 1.051 | 0.1 | 112 | 0.00 |
| 77 | T | Bromobenzene | 0.947 | 0.913 | 3.6 | 112 | 0.00 |
| 78 | T | n-propylbenzene | 4.704 | 4.740 | -0.8 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.954 | 2.851 | 3.5 | 110 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.212 | 3.322 | -3.4 | 111 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.450 | 0.421 | 6.4 | 105 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.888 | 2.873 | 0.5 | 112 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.810 | 2.818 | -0.3 | 111 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.286 | 3.328 | -1.3 | 109 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.895 | 3.997 | -2.6 | 112 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.165 | 3.342 | -5.6 | 112 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.715 | 1.685 | 1.7 | 111 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.750 | 1.704 | 2.6 | 113 | 0.00 |
| 89 | T | n-Butylbenzene | 2.845 | 2.944 | -3.5 | 110 | 0.00 |
| 90 | T | Hexachloroethane | 0.586 | 0.592 | -1.0 | 110 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.623 | 1.633 | -0.6 | 113 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.235 | 0.240 | -2.1 | 109 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.910 | 0.920 | -1.1 | 110 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.399 | 0.373 | 6.5 | 108 | 0.00 |
| 95 | T | Naphthalene | 2.852 | 3.038 | -6.5 | 112 | 0.00 |

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**LabSampleId :**
VSTDCCC050

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QLast Update : Thu May 16 05:21:06 2024
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.911 | 0.910 | 0.1 | 113 | 0.00 |

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