# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032822\
Data File : VN071603.D
Acq On : 28 Mar 2022 14:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Mar 29 04:38:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 25 09:52:40 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.522 | 0.450 | 13.8 | 96 | 0.00 |
| 3 | P | Chloromethane | 0.655 | 0.514 | 21.5 | 94 | 0.00 |
| 4 | C | Vinyl Chloride | 0.704 | 0.596 | 15.3# | 95 | 0.00 |
| 5 | T | Bromomethane | 0.371 | 0.376 | -1.3 | 96 | 0.00 |
| 6 | T | Chloroethane | 0.472 | 0.418 | 11.4 | 104 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.812 | 0.722 | 11.1 | 99 | 0.00 |
| 8 | T | Diethyl Ether | 0.339 | 0.303 | 10.6 | 99 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.487 | 0.430 | 11.7 | 99 | 0.00 |
| 10 | T | Methyl Iodide | 0.702 | 0.639 | 9.0 | 97 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.116 | 0.100 | 13.8 | 94 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.479 | 0.422 | 11.9# | 97 | 0.00 |
| 13 | T | Acrolein | 0.089 | 0.073 | 18.0 | 93 | 0.00 |
| 14 | T | Allyl chloride | 0.774 | 0.694 | 10.3 | 99 | 0.00 |
| 15 | T | Acrylonitrile | 0.315 | 0.282 | 10.5 | 98 | 0.00 |
| 16 | T | Acetone | 0.255 | 0.227 | 11.0 | 98 | 0.00 |
| 17 | T | Carbon Disulfide | 1.250 | 1.009 | 19.3 | 91 | 0.00 |
| 18 | T | Methyl Acetate | 0.763 | 0.605 | 20.7 | 98 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.714 | 1.592 | 7.1 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 0.593 | 0.505 | 14.8 | 99 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.520 | 0.453 | 12.9 | 97 | 0.00 |
| 22 | T | Diisopropyl ether | 1.604 | 1.488 | 7.2 | 100 | 0.00 |
| 23 | T | Vinyl Acetate | 1.377 | 1.292 | 6.2 | 100 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.972 | 0.869 | 10.6 | 99 | 0.00 |
| 25 | T | 2-Butanone | 0.409 | 0.363 | 11.2 | 97 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.813 | 0.763 | 6.2 | 103 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.620 | 0.567 | 8.5 | 102 | 0.00 |
| 28 | T | Bromochloromethane | 0.397 | 0.302 | 23.9 | 85 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.272 | 0.240 | 11.8 | 97 | 0.00 |
| 30 | C | Chloroform | 0.974 | 0.903 | 7.3# | 103 | 0.00 |
| 31 | T | Cyclohexane | 0.889 | 0.760 | 14.5 | 98 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.848 | 0.784 | 7.5 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.621 | 0.573 | 7.7 | 103 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.314 | 0.309 | 1.6 | 105 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.453 | 0.422 | 6.8 | 99 | 0.00 |
| 37 | T | Ethyl Acetate | 0.494 | 0.482 | 2.4 | 99 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.442 | 0.424 | 4.1 | 102 | 0.00 |
| 39 | T | Methylcyclohexane | 0.556 | 0.525 | 5.6 | 96 | 0.00 |
| 40 | TM | Benzene | 1.410 | 1.318 | 6.5 | 100 | 0.00 |
| 41 | T | Methacrylonitrile | 0.234 | 0.236 | -0.9 | 106 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.492 | 0.459 | 6.7 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.839 | 0.762 | 9.2 | 103 | 0.00 |
| 44 | TM | Trichloroethene | 0.366 | 0.343 | 6.3 | 101 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.349 | 0.329 | 5.7# | 100 | 0.00 |
| 46 | T | Dibromomethane | 0.238 | 0.226 | 5.0 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 0.466 | 0.454 | 2.6 | 102 | 0.00 |
| 48 | T | Methyl methacrylate | 0.357 | 0.356 | 0.3 | 101 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Mar 29 04:38:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 25 09:52:40 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.007 | 12.5 | 91 | 0.00 |
| 50 | S | Toluene-d8 | 1.267 | 1.228 | 3.1 | 105 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.494 | 0.473 | 4.3 | 99 | 0.00 |
| 52 | CM | Toluene | 0.883 | 0.853 | 3.4# | 101 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.501 | 0.497 | 0.8 | 101 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.553 | 0.549 | 0.7 | 102 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.358 | 0.341 | 4.7 | 103 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.539 | 0.544 | -0.9 | 101 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.602 | 0.575 | 4.5 | 101 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.136 | 0.159 | -16.9 | 103 | 0.00 |
| 59 | T | 2-Hexanone | 0.356 | 0.340 | 4.5 | 97 | 0.00 |
| 60 | T | Dibromochloromethane | 0.361 | 0.359 | 0.6 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.361 | 0.348 | 3.6 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.415 | 0.415 | 0.0 | 108 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.324 | 6.4 | 102 | 0.00 |
| 65 | PM | Chlorobenzene | 1.061 | 1.014 | 4.4 | 103 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.375 | 0.374 | 0.3 | 105 | 0.00 |
| 67 | C | Ethyl Benzene | 1.821 | 1.795 | 1.4# | 102 | 0.00 |
| 68 | T | m/p-Xylenes | 0.697 | 0.697 | 0.0 | 102 | 0.00 |
| 69 | T | o-Xylene | 0.692 | 0.698 | -0.9 | 103 | 0.00 |
| 70 | T | Styrene | 1.079 | 1.118 | -3.6 | 104 | 0.00 |
| 71 | P | Bromoform | 0.295 | 0.306 | -3.7 | 105 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 4.408 | 4.137 | 6.1 | 103 | 0.00 |
| 74 | T | N-amyl acetate | 1.417 | 1.322 | 6.7 | 99 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.501 | 1.315 | 12.4 | 101 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.115 | 1.123 | -0.7 | 115 | 0.00 |
| 77 | T | Bromobenzene | 1.099 | 0.988 | 10.1 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 4.690 | 4.537 | 3.3 | 103 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.026 | 2.763 | 8.7 | 103 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.480 | 3.334 | 4.2 | 104 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.416 | 0.401 | 3.6 | 103 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.786 | 2.613 | 6.2 | 103 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.141 | 3.066 | 2.4 | 106 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.358 | 3.265 | 2.8 | 104 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.164 | 4.069 | 2.3 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.319 | 3.353 | -1.0 | 104 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.782 | 1.685 | 5.4 | 104 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.761 | 1.604 | 8.9 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 2.542 | 2.495 | 1.8 | 104 | 0.00 |
| 90 | T | Hexachloroethane | 0.648 | 0.604 | 6.8 | 103 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.708 | 1.607 | 5.9 | 104 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.261 | 0.234 | 10.3 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.792 | 0.769 | 2.9 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.479 | 0.448 | 6.5 | 104 | 0.00 |
| 95 | T | Naphthalene | 2.190 | 2.200 | -0.5 | 100 | 0.00 |

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.785 | 0.754 | 3.9 | 102 | 0.00 |

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