Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032822\
Data File : VN071624.D
Acq On : 28 Mar 2022 23:57
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Mar 29 09:52:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 29 09:32:37 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 | 92 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.490 | 0.454 | 7.3 | 89 | 0.00 |
| 3 | P | Chloromethane | 0.576 | 0.524 | 9.0 | 92 | 0.00 |
| 4 | C | Vinyl Chloride | 0.640 | 0.606 | 5.3# | 92 | 0.00 |
| 5 | T | Bromomethane | 0.376 | 0.384 | -2.1 | 89 | 0.00 |
| 6 | T | Chloroethane | 0.463 | 0.401 | 13.4 | 86 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.763 | 0.730 | 4.3 | 90 | 0.00 |
| 8 | T | Diethyl Ether | 0.318 | 0.321 | -0.9 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.464 | 0.442 | 4.7 | 90 | 0.00 |
| 10 | T | Methyl Iodide | 0.684 | 0.658 | 3.8 | 90 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.106 | 0.101 | 4.7 | 90 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.449 | 0.432 | 3.8# | 90 | 0.00 |
| 13 | T | Acrolein | 0.088 | 0.088 | 0.0 | 97 | 0.00 |
| 14 | T | Allyl chloride | 0.716 | 0.703 | 1.8 | 91 | 0.00 |
| 15 | T | Acrylonitrile | 0.296 | 0.297 | -0.3 | 93 | 0.00 |
| 16 | T | Acetone | 0.247 | 0.233 | 5.7 | 92 | 0.00 |
| 17 | T | Carbon Disulfide | 1.118 | 1.002 | 10.4 | 90 | 0.00 |
| 18 | T | Methyl Acetate | 0.764 | 0.642 | 16.0 | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.639 | 1.627 | 0.7 | 92 | 0.00 |
| 20 | T | Methylene Chloride | 0.546 | 0.523 | 4.2 | 92 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.480 | 0.472 | 1.7 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 1.531 | 1.538 | -0.5 | 93 | 0.00 |
| 23 | T | Vinyl Acetate | 1.292 | 1.336 | -3.4 | 93 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.912 | 0.895 | 1.9 | 91 | 0.00 |
| 25 | T | 2-Butanone | 0.385 | 0.386 | -0.3 | 93 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.784 | 0.714 | 8.9 | 84 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.590 | 0.581 | 1.5 | 93 | 0.00 |
| 28 | T | Bromochloromethane | 0.368 | 0.367 | 0.3 | 92 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.250 | 0.258 | -3.2 | 94 | 0.00 |
| 30 | C | Chloroform | 0.935 | 0.929 | 0.6# | 92 | 0.00 |
| 31 | T | Cyclohexane | 0.837 | 0.773 | 7.6 | 91 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.811 | 0.805 | 0.7 | 91 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.600 | 0.590 | 1.7 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.307 | 0.298 | 2.9 | 90 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.441 | 0.419 | 5.0 | 92 | 0.00 |
| 37 | T | Ethyl Acetate | 0.483 | 0.481 | 0.4 | 94 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.437 | 0.423 | 3.2 | 91 | 0.00 |
| 39 | T | Methylcyclohexane | 0.546 | 0.518 | 5.1 | 90 | 0.00 |
| 40 | TM | Benzene | 1.355 | 1.314 | 3.0 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 0.235 | 0.231 | 1.7 | 93 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.468 | 0.453 | 3.2 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.857 | 0.762 | 11.1 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 0.356 | 0.344 | 3.4 | 93 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.334 | 0.328 | 1.8# | 92 | 0.00 |
| 46 | T | Dibromomethane | 0.229 | 0.222 | 3.1 | 91 | 0.00 |
| 47 | T | Bromodichloromethane | 0.450 | 0.460 | -2.2 | 93 | 0.00 |
| 48 | T | Methyl methacrylate | 0.348 | 0.357 | -2.6 | 94 | 0.00 |

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ALS Vial : 33 Sample Multiplier: 1

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

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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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.007 | 12.5 | 91 | 0.00 |
| 50 | S | Toluene-d8 | 1.267 | 1.240 | 2.1 | 92 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.473 | 0.486 | -2.7 | 95 | 0.00 |
| 52 | CM | Toluene | 0.872 | 0.860 | 1.4# | 93 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.489 | 0.491 | -0.4 | 92 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.533 | 0.540 | -1.3 | 92 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.351 | 0.347 | 1.1 | 94 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.524 | 0.547 | -4.4 | 94 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.586 | 0.585 | 0.2 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.135 | 0.131 | 3.0 | 83 | 0.00 |
| 59 | T | 2-Hexanone | 0.339 | 0.350 | -3.2 | 94 | 0.00 |
| 60 | T | Dibromochloromethane | 0.352 | 0.359 | -2.0 | 93 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.355 | 0.355 | 0.0 | 94 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.413 | 0.405 | 1.9 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.323 | 6.6 | 91 | 0.00 |
| 65 | PM | Chlorobenzene | 1.043 | 1.014 | 2.8 | 94 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.374 | 0.373 | 0.3 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 1.801 | 1.793 | 0.4# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 0.684 | 0.694 | -1.5 | 93 | 0.00 |
| 69 | T | o-Xylene | 0.688 | 0.697 | -1.3 | 93 | 0.00 |
| 70 | T | Styrene | 1.050 | 1.112 | -5.9 | 93 | 0.00 |
| 71 | P | Bromoform | 0.295 | 0.305 | -3.4 | 94 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 73 | T | Isopropylbenzene | 4.373 | 4.298 | 1.7 | 92 | 0.00 |
| 74 | T | N-amyl acetate | 1.328 | 1.350 | -1.7 | 90 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.464 | 1.392 | 4.9 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.201 | 1.188 | 1.1 | 94 | 0.00 |
| 77 | T | Bromobenzene | 1.100 | 1.027 | 6.6 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 4.715 | 4.644 | 1.5 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.953 | 2.856 | 3.3 | 92 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.453 | 3.460 | -0.2 | 93 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.416 | 0.399 | 4.1 | 87 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.754 | 2.701 | 1.9 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.169 | 3.159 | 0.3 | 92 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.381 | 3.348 | 1.0 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.186 | 4.169 | 0.4 | 90 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.326 | 3.380 | -1.6 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.776 | 1.684 | 5.2 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.763 | 1.631 | 7.5 | 89 | 0.00 |
| 89 | T | n-Butylbenzene | 2.513 | 2.493 | 0.8 | 88 | 0.00 |
| 90 | T | Hexachloroethane | 0.625 | 0.618 | 1.1 | 92 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.739 | 1.627 | 6.4 | 88 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.253 | 0.243 | 4.0 | 91 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.768 | 0.763 | 0.7 | 86 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.484 | 0.447 | 7.6 | 85 | 0.00 |
| 95 | T | Naphthalene | 2.093 | 2.192 | -4.7 | 89 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.769 | 0.757 | 1.6 | 87 | 0.00 |

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