Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 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 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.575 | 0.479 | 16.7 | 77 | 0.00 |
| 3 | P | Chloromethane | 0.952 | 0.559 | 41.3# | 74 | 0.00 |
| 4 | C | Vinyl Chloride | 0.618 | 0.550 | 11.0# | 81 | 0.00 |
| 5 | T | Bromomethane | 0.328 | 0.301 | 8.2 | 91 | -0.05 |
| 6 | T | Chloroethane | 0.488 | 0.360 | 26.2# | 86 | -0.05 |
| 7 | T | Trichlorofluoromethane | 1.018 | 0.897 | 11.9 | 84 | -0.03 |
| 8 | T | Diethyl Ether | 0.359 | 0.354 | 1.4 | 90 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.575 | 0.497 | 13.6 | 80 | -0.01 |
| 10 | T | Methyl Iodide | 0.769 | 0.772 | -0.4 | 94 | -0.02 |
| 11 | T | Tert butyl alcohol | 0.095 | 0.094 | 1.1 | 97 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.569 | 0.503 | 11.6# | 84 | -0.02 |
| 13 | T | Acrolein | 0.095 | 0.102 | -7.4 | 103 | 0.00 |
| 14 | T | Allyl chloride | 0.923 | 0.857 | 7.2 | 84 | -0.01 |
| 15 | T | Acrylonitrile | 0.276 | 0.269 | 2.5 | 89 | 0.00 |
| 16 | T | Acetone | 0.238 | 0.210 | 11.8 | 92 | 0.00 |
| 17 | T | Carbon Disulfide | 1.753 | 1.332 | 24.0 | 74 | -0.02 |
| 18 | T | Methyl Acetate | 1.172 | 0.708 | 39.6# | 84 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.745 | 1.840 | -5.4 | 94 | 0.00 |
| 20 | T | Methylene Chloride | 0.635 | 0.610 | 3.9 | 91 | -0.01 |
| 21 | T | trans-1,2-Dichloroethene | 0.585 | 0.537 | 8.2 | 85 | -0.01 |
| 22 | T | Diisopropyl ether | 1.835 | 1.878 | -2.3 | 90 | 0.00 |
| 23 | T | Vinyl Acetate | 1.265 | 1.287 | -1.7 | 89 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.102 | 1.057 | 4.1 | 89 | 0.00 |
| 25 | T | 2-Butanone | 0.337 | 0.333 | 1.2 | 94 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.959 | 0.868 | 9.5 | 82 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.683 | 0.666 | 2.5 | 90 | 0.00 |
| 28 | T | Bromochloromethane | 0.439 | 0.515 | -17.3 | 90 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.224 | 0.217 | 3.1 | 87 | 0.00 |
| 30 | C | Chloroform | 1.121 | 1.122 | -0.1# | 92 | 0.00 |
| 31 | T | Cyclohexane | 0.997 | 0.807 | 19.1 | 77 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.021 | 0.997 | 2.4 | 90 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.722 | 0.747 | -3.5 | 93 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.338 | 0.351 | -3.8 | 94 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.469 | 0.405 | 13.6 | 83 | 0.00 |
| 37 | T | Ethyl Acetate | 0.426 | 0.406 | 4.7 | 89 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.525 | 0.488 | 7.0 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 0.478 | 0.431 | 9.8 | 78 | 0.00 |
| 40 | TM | Benzene | 1.507 | 1.371 | 9.0 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 0.229 | 0.238 | -3.9 | 89 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.488 | 0.475 | 2.7 | 89 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.927 | 0.780 | 15.9 | 95 | 0.00 |
| 44 | TM | Trichloroethene | 0.348 | 0.317 | 8.9 | 87 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.354 | 0.340 | 4.0# | 90 | 0.00 |
| 46 | T | Dibromomethane | 0.250 | 0.241 | 3.6 | 91 | 0.00 |
| 47 | T | Bromodichloromethane | 0.526 | 0.525 | 0.2 | 93 | 0.00 |
| 48 | T | Methyl methacrylate | 0.331 | 0.340 | -2.7 | 91 | 0.00 |

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ALS Vial : 27 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 | 0.006 | 0.006 | 0.0 | 92 | 0.00 |
| 50 | S | Toluene-d8 | 1.247 | 1.278 | -2.5 | 90 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.406 | 0.408 | -0.5 | 89 | 0.00 |
| 52 | CM | Toluene | 0.882 | 0.845 | 4.2# | 87 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.544 | 0.511 | 6.1 | 87 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.576 | 0.548 | 4.9 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.332 | 0.326 | 1.8 | 92 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.480 | 0.526 | -9.6 | 90 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.570 | 0.564 | 1.1 | 92 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.225 | 0.240 | -6.7 | 85 | 0.00 |
| 59 | T | 2-Hexanone | 0.296 | 0.302 | -2.0 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 0.378 | 0.396 | -4.8 | 93 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.340 | 0.326 | 4.1 | 90 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.466 | 0.526 | -12.9 | 98 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 0.333 | 0.295 | 11.4 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 1.119 | 0.988 | 11.7 | 88 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.389 | 0.372 | 4.4 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 1.867 | 1.744 | 6.6# | 87 | 0.00 |
| 68 | T | m/p-Xylenes | 0.707 | 0.657 | 7.1 | 85 | 0.00 |
| 69 | T | o-Xylene | 0.661 | 0.641 | 3.0 | 87 | 0.00 |
| 70 | T | Styrene | 1.154 | 1.108 | 4.0 | 86 | 0.00 |
| 71 | P | Bromoform | 0.293 | 0.295 | -0.7 | 94 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 73 | T | Isopropylbenzene | 3.504 | 2.879 | 17.8 | 85 | 0.00 |
| 74 | T | N-amyl acetate | 1.491 | 1.290 | 13.5 | 89 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.170 | 0.933 | 20.3 | 92 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.999 | 0.750 | 24.9 | 89 | 0.00 |
| 77 | T | Bromobenzene | 0.942 | 0.737 | 21.8 | 88 | 0.00 |
| 78 | T | n-propylbenzene | 4.106 | 3.292 | 19.8 | 82 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.683 | 2.153 | 19.8 | 87 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.904 | 2.492 | 14.2 | 86 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.421 | 0.367 | 12.8 | 97 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.823 | 2.167 | 23.2 | 84 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.403 | 2.079 | 13.5 | 87 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.997 | 2.578 | 14.0 | 87 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.395 | 2.794 | 17.7 | 83 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.784 | 2.424 | 12.9 | 84 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.838 | 1.384 | 24.7 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.937 | 1.351 | 30.3# | 85 | 0.00 |
| 89 | T | n-Butylbenzene | 2.605 | 1.974 | 24.2 | 80 | 0.00 |
| 90 | T | Hexachloroethane | 0.621 | 0.458 | 26.2# | 82 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.766 | 1.373 | 22.3 | 90 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.237 | 0.179 | 24.5 | 87 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.967 | 0.670 | 30.7# | 82 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.425 | 0.300 | 29.4# | 86 | 0.00 |
| 95 | T | Naphthalene | 2.894 | 2.217 | 23.4 | 84 | 0.00 |

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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 | 0.939 | 0.671 | 28.5# | 84 | 0.00 |

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