Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103122\
Data File : VN075096.D
Acq On : 31 Oct 2022 18:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Nov 01 06:23:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 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 | 0.650 | 0.586 | 9.8 | 85 | 0.00 |
| 3 | P | Chloromethane | 0.691 | 0.636 | 8.0 | 88 | 0.00 |
| 4 | C | Vinyl Chloride | 0.986 | 0.899 | 8.8# | 84 | 0.00 |
| 5 | T | Bromomethane | 0.808 | 0.718 | 11.1 | 84 | 0.02 |
| 6 | T | Chloroethane | 0.707 | 0.663 | 6.2 | 90 | 0.02 |
| 7 | T | Trichlorofluoromethane | 1.007 | 0.988 | 1.9 | 92 | 0.01 |
| 8 | T | Diethyl Ether | 0.367 | 0.354 | 3.5 | 90 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.556 | 0.532 | 4.3 | 90 | 0.00 |
| 10 | T | Methyl Iodide | 0.828 | 0.788 | 4.8 | 92 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.157 | 0.139 | 11.5 | 89 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.530 | 0.504 | 4.9# | 90 | 0.00 |
| 13 | T | Acrolein | 0.129 | 0.134 | -3.9 | 101 | 0.00 |
| 14 | T | Allyl chloride | 0.774 | 0.680 | 12.1 | 80 | 0.01 |
| 15 | T | Acrylonitrile | 0.332 | 0.341 | -2.7 | 97 | 0.00 |
| 16 | T | Acetone | 0.285 | 0.277 | 2.8 | 96 | 0.00 |
| 17 | T | Carbon Disulfide | 1.333 | 1.242 | 6.8 | 86 | 0.00 |
| 18 | T | Methyl Acetate | 0.932 | 0.967 | -3.8 | 99 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.970 | 1.977 | -0.4 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 0.636 | 0.624 | 1.9 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.580 | 0.589 | -1.6 | 96 | 0.00 |
| 22 | T | Diisopropyl ether | 1.708 | 1.756 | -2.8 | 95 | 0.00 |
| 23 | T | Vinyl Acetate | 1.427 | 1.293 | 9.4 | 83 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.080 | 1.094 | -1.3 | 96 | 0.00 |
| 25 | T | 2-Butanone | 0.449 | 0.458 | -2.0 | 98 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.994 | 0.925 | 6.9 | 88 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.693 | 0.702 | -1.3 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 0.455 | 0.489 | -7.5 | 99 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.290 | 0.298 | -2.8 | 95 | 0.00 |
| 30 | C | Chloroform | 1.173 | 1.226 | -4.5# | 97 | 0.00 |
| 31 | T | Cyclohexane | 1.002 | 0.924 | 7.8 | 88 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.065 | 1.110 | -4.2 | 96 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.674 | 0.714 | -5.9 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.294 | 0.307 | -4.4 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.454 | 0.456 | -0.4 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 0.498 | 0.476 | 4.4 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.500 | 0.501 | -0.2 | 93 | 0.00 |
| 39 | T | Methylcyclohexane | 0.600 | 0.592 | 1.3 | 92 | 0.00 |
| 40 | TM | Benzene | 1.391 | 1.399 | -0.6 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 0.239 | 0.243 | -1.7 | 96 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.506 | 0.510 | -0.8 | 96 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.773 | 0.780 | -0.9 | 95 | 0.00 |
| 44 | TM | Trichloroethene | 0.349 | 0.332 | 4.9 | 92 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.331 | 0.346 | -4.5# | 96 | 0.00 |
| 46 | T | Dibromomethane | 0.258 | 0.260 | -0.8 | 97 | 0.00 |
| 47 | T | Bromodichloromethane | 0.500 | 0.510 | -2.0 | 97 | 0.00 |
| 48 | T | Methyl methacrylate | 0.355 | 0.358 | -0.8 | 98 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.009 | 0.009 | 0.0 | 96 | 0.00 |
| 50 | S | Toluene-d8 | 1.139 | 1.204 | -5.7 | 100 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.499 | 0.506 | -1.4 | 97 | 0.00 |
| 52 | CM | Toluene | 0.930 | 0.955 | -2.7# | 92 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.527 | 0.551 | -4.6 | 93 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.559 | 0.570 | -2.0 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.369 | 0.375 | -1.6 | 94 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.563 | 0.582 | -3.4 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.614 | 0.635 | -3.4 | 97 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.217 | 0.233 | -7.4 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 0.379 | 0.386 | -1.8 | 97 | 0.00 |
| 60 | T | Dibromochloromethane | 0.389 | 0.410 | -5.4 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.378 | 0.401 | -6.1 | 96 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.400 | 0.439 | -9.7 | 98 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 0.307 | 0.305 | 0.7 | 96 | 0.00 |
| 65 | PM | Chlorobenzene | 1.067 | 1.069 | -0.2 | 94 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.396 | 0.402 | -1.5 | 94 | 0.00 |
| 67 | C | Ethyl Benzene | 1.920 | 1.955 | -1.8# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 0.770 | 0.781 | -1.4 | 90 | 0.00 |
| 69 | T | o-Xylene | 0.762 | 0.788 | -3.4 | 94 | 0.00 |
| 70 | T | Styrene | 1.215 | 1.290 | -6.2 | 94 | 0.00 |
| 71 | P | Bromoform | 0.296 | 0.311 | -5.1 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 73 | T | Isopropylbenzene | 4.014 | 3.879 | 3.4 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 1.485 | 1.436 | 3.3 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.309 | 1.281 | 2.1 | 96 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.062 | 1.131 | -6.5 | 96 | 0.00 |
| 77 | T | Bromobenzene | 0.884 | 0.847 | 4.2 | 92 | 0.00 |
| 78 | T | n-propylbenzene | 4.507 | 4.487 | 0.4 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.754 | 2.691 | 2.3 | 92 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.371 | 3.386 | -0.4 | 92 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.414 | 0.448 | -8.2 | 100 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.754 | 2.691 | 2.3 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.996 | 2.965 | 1.0 | 92 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.411 | 3.447 | -1.1 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.191 | 4.270 | -1.9 | 93 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.461 | 3.611 | -4.3 | 93 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.731 | 1.746 | -0.9 | 93 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.713 | 1.705 | 0.5 | 92 | 0.00 |
| 89 | T | n-Butylbenzene | 2.787 | 2.934 | -5.3 | 92 | 0.00 |
| 90 | T | Hexachloroethane | 0.635 | 0.647 | -1.9 | 93 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.720 | 1.722 | -0.1 | 93 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.271 | 0.270 | 0.4 | 93 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.740 | 0.765 | -3.4 | 91 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.361 | 0.363 | -0.6 | 97 | 0.00 |
| 95 | T | Naphthalene | 2.847 | 2.938 | -3.2 | 91 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.736 | 0.761 | -3.4 | 93 | 0.00 |

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