Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111022\
Data File : VN075236.D
Acq On : 10 Nov 2022 16:56
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 11 04:11:52 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 | 103 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.650 | 0.563 | 13.4 | 92 | 0.00 |
| 3 | P | Chloromethane | 0.691 | 0.541 | 21.7 | 85 | 0.00 |
| 4 | C | Vinyl Chloride | 0.986 | 0.824 | 16.4# | 87 | 0.00 |
| 5 | T | Bromomethane | 0.808 | 0.764 | 5.4 | 101 | 0.00 |
| 6 | T | Chloroethane | 0.707 | 0.596 | 15.7 | 91 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.007 | 1.057 | -5.0 | 111 | 0.00 |
| 8 | T | Diethyl Ether | 0.367 | 0.390 | -6.3 | 111 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.556 | 0.609 | -9.5 | 117 | 0.00 |
| 10 | T | Methyl Iodide | 0.828 | 0.870 | -5.1 | 115 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.157 | 0.148 | 5.7 | 107 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.530 | 0.561 | -5.8# | 113 | 0.00 |
| 13 | T | Acrolein | 0.129 | 0.125 | 3.1 | 105 | 0.00 |
| 14 | T | Allyl chloride | 0.774 | 0.801 | -3.5 | 106 | 0.00 |
| 15 | T | Acrylonitrile | 0.332 | 0.339 | -2.1 | 109 | 0.00 |
| 16 | T | Acetone | 0.285 | 0.267 | 6.3 | 104 | 0.00 |
| 17 | T | Carbon Disulfide | 1.333 | 1.180 | 11.5 | 92 | 0.00 |
| 18 | T | Methyl Acetate | 0.932 | 1.027 | -10.2 | 118 | -0.01 |
| 19 | T | Methyl tert-butyl Ether | 1.970 | 2.164 | -9.8 | 115 | 0.00 |
| 20 | T | Methylene Chloride | 0.636 | 0.691 | -8.6 | 118 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.580 | 0.614 | -5.9 | 113 | -0.01 |
| 22 | T | Diisopropyl ether | 1.708 | 1.846 | -8.1 | 113 | 0.00 |
| 23 | T | Vinyl Acetate | 1.427 | 1.452 | -1.8 | 105 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.080 | 1.160 | -7.4 | 114 | 0.00 |
| 25 | T | 2-Butanone | 0.449 | 0.446 | 0.7 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.994 | 1.074 | -8.0 | 114 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.693 | 0.797 | -15.0 | 121 | 0.00 |
| 28 | T | Bromochloromethane | 0.455 | 0.413 | 9.2 | 94 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.290 | 0.286 | 1.4 | 103 | 0.00 |
| 30 | C | Chloroform | 1.173 | 1.302 | -11.0# | 116 | 0.00 |
| 31 | T | Cyclohexane | 1.002 | 0.967 | 3.5 | 103 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.065 | 1.199 | -12.6 | 116 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.674 | 0.616 | 8.6 | 99 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.294 | 0.313 | -6.5 | 107 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.454 | 0.520 | -14.5 | 113 | 0.00 |
| 37 | T | Ethyl Acetate | 0.498 | 0.473 | 5.0 | 99 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.500 | 0.586 | -17.2 | 113 | 0.00 |
| 39 | T | Methylcyclohexane | 0.600 | 0.658 | -9.7 | 107 | 0.00 |
| 40 | TM | Benzene | 1.391 | 1.573 | -13.1 | 112 | 0.00 |
| 41 | T | Methacrylonitrile | 0.239 | 0.250 | -4.6 | 103 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.506 | 0.547 | -8.1 | 108 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.773 | 0.827 | -7.0 | 106 | 0.00 |
| 44 | TM | Trichloroethene | 0.349 | 0.419 | -20.1 | 122 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.331 | 0.387 | -16.9# | 113 | 0.00 |
| 46 | T | Dibromomethane | 0.258 | 0.290 | -12.4 | 113 | 0.00 |
| 47 | T | Bromodichloromethane | 0.500 | 0.592 | -18.4 | 118 | 0.00 |
| 48 | T | Methyl methacrylate | 0.355 | 0.372 | -4.8 | 107 | 0.00 |

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
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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 | 0.009 | 0.010 | -11.1 | 115 | 0.00 |
| 50 | S | Toluene-d8 | 1.139 | 1.142 | -0.3 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.499 | 0.523 | -4.8 | 105 | 0.00 |
| 52 | CM | Toluene | 0.930 | 1.073 | -15.4# | 109 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.527 | 0.623 | -18.2 | 110 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.559 | 0.664 | -18.8 | 114 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.369 | 0.433 | -17.3 | 114 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.563 | 0.635 | -12.8 | 107 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.614 | 0.718 | -16.9 | 114 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.217 | 0.231 | -6.5 | 98 | 0.00 |
| 59 | T | 2-Hexanone | 0.379 | 0.398 | -5.0 | 105 | 0.00 |
| 60 | T | Dibromochloromethane | 0.389 | 0.486 | -24.9 | 117 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.378 | 0.454 | -20.1 | 114 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.400 | 0.443 | -10.7 | 104 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 0.307 | 0.416 | -35.5# | 137 | 0.00 |
| 65 | PM | Chlorobenzene | 1.067 | 1.260 | -18.1 | 116 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.396 | 0.482 | -21.7 | 118 | 0.00 |
| 67 | C | Ethyl Benzene | 1.920 | 2.280 | -18.7# | 113 | 0.00 |
| 68 | T | m/p-Xylenes | 0.770 | 0.929 | -20.6 | 112 | 0.00 |
| 69 | T | o-Xylene | 0.762 | 0.916 | -20.2 | 114 | 0.00 |
| 70 | T | Styrene | 1.215 | 1.528 | -25.8# | 116 | 0.00 |
| 71 | P | Bromoform | 0.296 | 0.381 | -28.7# | 121 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 73 | T | Isopropylbenzene | 4.014 | 4.106 | -2.3 | 113 | 0.00 |
| 74 | T | N-amyl acetate | 1.485 | 1.385 | 6.7 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.309 | 1.245 | 4.9 | 110 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.062 | 1.065 | -0.3 | 106 | 0.00 |
| 77 | T | Bromobenzene | 0.884 | 0.958 | -8.4 | 122 | 0.00 |
| 78 | T | n-propylbenzene | 4.507 | 4.751 | -5.4 | 115 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.754 | 2.841 | -3.2 | 114 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.371 | 3.638 | -7.9 | 116 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.414 | 0.386 | 6.8 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.754 | 2.841 | -3.2 | 114 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.996 | 3.193 | -6.6 | 116 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.411 | 3.718 | -9.0 | 117 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.191 | 4.680 | -11.7 | 119 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.461 | 4.030 | -16.4 | 122 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.731 | 2.024 | -16.9 | 127 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.713 | 1.975 | -15.3 | 126 | 0.00 |
| 89 | T | n-Butylbenzene | 2.787 | 3.355 | -20.4 | 124 | 0.00 |
| 90 | T | Hexachloroethane | 0.635 | 0.672 | -5.8 | 114 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.720 | 1.983 | -15.3 | 125 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.271 | 0.250 | 7.7 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.740 | 0.992 | -34.1# | 139 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.361 | 0.453 | -25.5# | 142 | 0.00 |
| 95 | T | Naphthalene | 2.847 | 3.412 | -19.8 | 124 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.736 | 0.953 | -29.5# | 137 | 0.00 |

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