Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041921\
Data File : VN066651.D
Acq On : 19 Apr 2021 10:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 20 04:52:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
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 | 110 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.607 | 0.568 | 6.4 | 109 | 0.00 |
| 3 | P | Chloromethane | 0.886 | 0.786 | 11.3 | 113 | 0.00 |
| 4 | C | Vinyl Chloride | 0.771 | 0.726 | 5.8# | 114 | 0.00 |
| 5 | T | Bromomethane | 0.480 | 0.131 | 72.7# | 32# | -0.01 |
| 6 | T | Chloroethane | 0.462 | 0.097 | 79.0# | 26# | -0.07 |
| 7 | T | Trichlorofluoromethane | 0.893 | 0.842 | 5.7 | 116 | -0.08 |
| 8 | T | Diethyl Ether | 0.365 | 0.371 | -1.6 | 121 | -0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.528 | 0.537 | -1.7 | 124 | -0.05 |
| 10 | T | Methyl Iodide | 0.733 | 0.702 | 4.2 | 110 | -0.04 |
| 11 | T | Tert butyl alcohol | 0.121 | 0.097 | 19.8 | 92 | 0.10 |
| 12 | CM | 1,1-Dichloroethene | 0.517 | 0.527 | -1.9# | 121 | -0.04 |
| 13 | T | Acrolein | 0.065 | 0.046 | 29.2# | 78 | -0.01 |
| 14 | T | Allyl chloride | 0.223 | 0.220 | 1.3 | 118 | -0.03 |
| 15 | T | Acrylonitrile | 0.333 | 0.318 | 4.5 | 108 | 0.00 |
| 16 | T | Acetone | 0.336 | 0.342 | -1.8 | 140 | 0.01 |
| 17 | T | Carbon Disulfide | 1.742 | 1.579 | 9.4 | 114 | -0.05 |
| 18 | T | Methyl Acetate | 0.812 | 0.848 | -4.4 | 124 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.830 | 1.900 | -3.8 | 118 | 0.00 |
| 20 | T | Methylene Chloride | 0.713 | 0.660 | 7.4 | 118 | -0.03 |
| 21 | T | trans-1,2-Dichloroethene | 0.582 | 0.593 | -1.9 | 121 | -0.03 |
| 22 | T | Diisopropyl ether | 2.209 | 2.279 | -3.2 | 117 | 0.00 |
| 23 | T | Vinyl Acetate | 1.845 | 1.858 | -0.7 | 112 | -0.01 |
| 24 | P | 1,1-Dichloroethane | 1.203 | 1.181 | 1.8 | 119 | -0.02 |
| 25 | T | 2-Butanone | 0.445 | 0.414 | 7.0 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.954 | 0.989 | -3.7 | 129 | -0.01 |
| 27 | T | cis-1,2-Dichloroethene | 0.674 | 0.688 | -2.1 | 119 | -0.02 |
| 28 | T | Bromochloromethane | 0.624 | 0.547 | 12.3 | 103 | -0.01 |
| 29 | T | Tetrahydrofuran | 0.299 | 0.278 | 7.0 | 105 | 0.00 |
| 30 | C | Chloroform | 1.132 | 1.137 | -0.4# | 120 | 0.00 |
| 31 | T | Cyclohexane | 1.085 | 1.044 | 3.8 | 116 | -0.01 |
| 32 | T | 1,1,1-Trichloroethane | 0.935 | 0.937 | -0.2 | 120 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.754 | 0.565 | 25.1# | 87 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.347 | 0.295 | 15.0 | 90 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.504 | 0.549 | -8.9 | 118 | -0.01 |
| 37 | T | Ethyl Acetate | 0.571 | 0.656 | -14.9 | 118 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.472 | 0.514 | -8.9 | 120 | -0.01 |
| 39 | T | Methylcyclohexane | 0.574 | 0.651 | -13.4 | 118 | 0.00 |
| 40 | TM | Benzene | 1.614 | 1.760 | -9.0 | 119 | -0.01 |
| 41 | T | Methacrylonitrile | 0.262 | 0.227 | 13.4 | 89 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.554 | 0.577 | -4.2 | 116 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.955 | 0.947 | 0.8 | 105 | 0.00 |
| 44 | TM | Trichloroethene | 0.373 | 0.411 | -10.2 | 121 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.449 | 0.490 | -9.1# | 120 | 0.00 |
| 46 | T | Dibromomethane | 0.270 | 0.281 | -4.1 | 115 | 0.00 |
| 47 | T | Bromodichloromethane | 0.553 | 0.595 | -7.6 | 117 | 0.00 |
| 48 | T | Methyl methacrylate | 0.429 | 0.436 | -1.6 | 102 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 20 04:52:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
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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 | 0.007 | 22.2 | 90 | 0.01 |
| 50 | S | Toluene-d8 | 1.359 | 1.124 | 17.3 | 86 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.562 | 0.531 | 5.5 | 95 | 0.00 |
| 52 | CM | Toluene | 0.951 | 1.050 | -10.4# | 115 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.598 | 0.645 | -7.9 | 111 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.658 | 0.734 | -11.6 | 119 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.393 | 0.409 | -4.1 | 112 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.514 | 0.573 | -11.5 | 102 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.659 | 0.696 | -5.6 | 112 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.082 | 0.139 | -69.5# | 149 | 0.00 |
| 59 | T | 2-Hexanone | 0.347 | 0.359 | -3.5 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 0.410 | 0.440 | -7.3 | 111 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.386 | 0.404 | -4.7 | 108 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.478 | 0.388 | 18.8 | 79 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 0.348 | 0.392 | -12.6 | 116 | 0.00 |
| 65 | PM | Chlorobenzene | 1.088 | 1.171 | -7.6 | 109 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.395 | 0.456 | -15.4 | 115 | 0.00 |
| 67 | C | Ethyl Benzene | 1.893 | 2.151 | -13.6# | 108 | 0.00 |
| 68 | T | m/p-Xylenes | 0.691 | 0.805 | -16.5 | 107 | 0.00 |
| 69 | T | o-Xylene | 0.674 | 0.775 | -15.0 | 105 | 0.00 |
| 70 | T | Styrene | 1.051 | 1.271 | -20.9 | 103 | 0.00 |
| 71 | P | Bromoform | 0.298 | 0.345 | -15.8 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 73 | T | Isopropylbenzene | 3.808 | 4.113 | -8.0 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 0.765 | 1.135 | -48.4# | 92 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.417 | 1.352 | 4.6 | 99 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.169 | 1.244 | -6.4 | 104 | 0.00 |
| 77 | T | Bromobenzene | 0.940 | 1.025 | -9.0 | 105 | 0.00 |
| 78 | T | n-propylbenzene | 4.402 | 4.729 | -7.4 | 102 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.692 | 2.804 | -4.2 | 102 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.213 | 3.461 | -7.7 | 103 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.328 | 0.390 | -18.9 | 97 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.649 | 2.897 | -9.4 | 102 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.704 | 2.862 | -5.8 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.033 | 3.355 | -10.6 | 104 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.654 | 3.911 | -7.0 | 102 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.998 | 3.393 | -13.2 | 103 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.661 | 1.785 | -7.5 | 107 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.825 | 1.836 | -0.6 | 107 | 0.00 |
| 89 | T | n-Butylbenzene | 2.510 | 2.798 | -11.5 | 99 | 0.00 |
| 90 | T | Hexachloroethane | 0.663 | 0.693 | -4.5 | 109 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.647 | 1.812 | -10.0 | 111 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.241 | 0.228 | 5.4 | 97 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.927 | 1.036 | -11.8 | 110 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.524 | 0.574 | -9.5 | 119 | 0.00 |
| 95 | T | Naphthalene | 2.552 | 2.430 | 4.8 | 95 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.953 | 0.977 | -2.5 | 106 | 0.00 |

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