Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
Data File : VN081607.D
Acq On : 29 Mar 2024 11:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 30 00:25:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 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 | 77 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.673 | 0.586 | 12.9 | 70 | 0.00 |
| 3 | P | Chloromethane | 0.670 | 0.603 | 10.0 | 74 | 0.00 |
| 4 | C | Vinyl Chloride | 0.752 | 0.713 | 5.2# | 78 | 0.00 |
| 5 | T | Bromomethane | 0.532 | 0.514 | 3.4 | 79 | 0.00 |
| 6 | T | Chloroethane | 0.517 | 0.526 | -1.7 | 83 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.121 | 1.118 | 0.3 | 79 | 0.00 |
| 8 | T | Diethyl Ether | 0.371 | 0.386 | -4.0 | 80 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.637 | 0.635 | 0.3 | 80 | 0.00 |
| 10 | T | Methyl Iodide | 0.634 | 0.717 | -13.1 | 82 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.111 | 0.118 | -6.3 | 81 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.590 | 0.573 | 2.9# | 77 | 0.00 |
| 13 | T | Acrolein | 0.100 | 0.100 | 0.0 | 70 | 0.00 |
| 14 | T | Allyl chloride | 0.739 | 0.731 | 1.1 | 77 | 0.00 |
| 15 | T | Acrylonitrile | 0.297 | 0.308 | -3.7 | 82 | 0.00 |
| 16 | T | Acetone | 0.206 | 0.200 | 2.9 | 80 | 0.00 |
| 17 | T | Carbon Disulfide | 1.693 | 1.459 | 13.8 | 71 | 0.00 |
| 18 | T | Methyl Acetate | 0.635 | 0.719 | -13.2 | 87 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.847 | 2.084 | -12.8 | 85 | 0.00 |
| 20 | T | Methylene Chloride | 0.675 | 0.736 | -9.0 | 90 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.658 | 0.681 | -3.5 | 85 | 0.00 |
| 22 | T | Diisopropyl ether | 1.718 | 1.965 | -14.4 | 85 | 0.00 |
| 23 | T | Vinyl Acetate | 1.368 | 1.477 | -8.0 | 79 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.151 | 1.256 | -9.1 | 88 | 0.00 |
| 25 | T | 2-Butanone | 0.353 | 0.360 | -2.0 | 78 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.998 | 1.118 | -12.0 | 84 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.744 | 0.835 | -12.2 | 89 | 0.00 |
| 28 | T | Bromochloromethane | 0.469 | 0.518 | -10.4 | 87 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.238 | 0.245 | -2.9 | 78 | 0.00 |
| 30 | C | Chloroform | 1.232 | 1.426 | -15.7# | 91 | 0.00 |
| 31 | T | Cyclohexane | 1.038 | 0.909 | 12.4 | 73 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.118 | 1.200 | -7.3 | 85 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.638 | 0.668 | -4.7 | 79 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.316 | 0.352 | -11.4 | 84 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.531 | 0.538 | -1.3 | 80 | 0.00 |
| 37 | T | Ethyl Acetate | 0.455 | 0.450 | 1.1 | 78 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.582 | 0.606 | -4.1 | 82 | 0.00 |
| 39 | T | Methylcyclohexane | 0.593 | 0.587 | 1.0 | 74 | 0.00 |
| 40 | TM | Benzene | 1.553 | 1.709 | -10.0 | 85 | 0.00 |
| 41 | T | Methacrylonitrile | 0.240 | 0.238 | 0.8 | 80 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.546 | 0.581 | -6.4 | 85 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.754 | 0.772 | -2.4 | 79 | 0.00 |
| 44 | TM | Trichloroethene | 0.437 | 0.457 | -4.6 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.376 | 0.430 | -14.4# | 89 | 0.00 |
| 46 | T | Dibromomethane | 0.286 | 0.327 | -14.3 | 93 | 0.00 |
| 47 | T | Bromodichloromethane | 0.559 | 0.661 | -18.2 | 91 | 0.00 |
| 48 | T | Methyl methacrylate | 0.348 | 0.367 | -5.5 | 80 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.008 | 0.0 | 73 | 0.00 |
| 50 | S | Toluene-d8 | 1.141 | 1.219 | -6.8 | 80 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.460 | 0.483 | -5.0 | 80 | 0.00 |
| 52 | CM | Toluene | 0.987 | 1.085 | -9.9# | 86 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.603 | 0.668 | -10.8 | 84 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.647 | 0.724 | -11.9 | 86 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.397 | 0.462 | -16.4 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.529 | 0.604 | -14.2 | 82 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.651 | 0.747 | -14.7 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.297 | -18.8 | 77 | 0.00 |
| 59 | T | 2-Hexanone | 0.340 | 0.351 | -3.2 | 76 | 0.00 |
| 60 | T | Dibromochloromethane | 0.437 | 0.519 | -18.8 | 94 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.405 | 0.448 | -10.6 | 85 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.402 | 0.442 | -10.0 | 80 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 64 | T | Tetrachloroethene | 0.478 | 0.503 | -5.2 | 87 | 0.00 |
| 65 | PM | Chlorobenzene | 1.182 | 1.269 | -7.4 | 87 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.438 | 0.505 | -15.3 | 91 | 0.00 |
| 67 | C | Ethyl Benzene | 2.053 | 2.216 | -7.9# | 83 | 0.00 |
| 68 | T | m/p-Xylenes | 0.770 | 0.867 | -12.6 | 85 | 0.00 |
| 69 | T | o-Xylene | 0.756 | 0.840 | -11.1 | 86 | 0.00 |
| 70 | T | Styrene | 1.219 | 1.426 | -17.0 | 87 | 0.00 |
| 71 | P | Bromoform | 0.329 | 0.366 | -11.2 | 87 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 73 | T | Isopropylbenzene | 4.262 | 4.450 | -4.4 | 83 | 0.00 |
| 74 | T | N-amyl acetate | 1.542 | 1.541 | 0.1 | 77 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.253 | 1.259 | -0.5 | 86 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.196 | 1.157 | 3.3 | 83 | 0.00 |
| 77 | T | Bromobenzene | 1.053 | 1.074 | -2.0 | 87 | 0.00 |
| 78 | T | n-propylbenzene | 5.033 | 5.317 | -5.6 | 83 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.012 | 3.154 | -4.7 | 86 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.520 | 3.834 | -8.9 | 84 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.443 | 0.453 | -2.3 | 80 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.970 | 3.190 | -7.4 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.036 | 3.227 | -6.3 | 85 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.538 | 3.904 | -10.3 | 86 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.340 | 4.642 | -7.0 | 84 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.547 | 3.892 | -9.7 | 85 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.934 | 2.035 | -5.2 | 89 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 2.003 | 2.056 | -2.6 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 3.146 | 3.317 | -5.4 | 81 | 0.00 |
| 90 | T | Hexachloroethane | 0.672 | 0.706 | -5.1 | 87 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.862 | 1.999 | -7.4 | 92 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.267 | 0.259 | 3.0 | 81 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.077 | 1.086 | -0.8 | 82 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.472 | 0.437 | 7.4 | 78 | 0.00 |
| 95 | T | Naphthalene | 3.488 | 3.674 | -5.3 | 81 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.083 | 1.125 | -3.9 | 86 | 0.00 |

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