Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
Data File : VU044216.D
Acq On : 15 Jun 2021 05:30
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

**Instrument :** MSVOA_U
**LabSampleId :** VSTDCCC050

Quant Time: Jun 15 05:45:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.705 | 0.618 | 12.3 | 97 | 0.00 |
| 3 | P | Chloromethane | 0.933 | 0.688 | 26.3# | 90 | 0.00 |
| 4 | C | Vinyl Chloride | 0.841 | 0.721 | 14.3# | 98 | 0.00 |
| 5 | T | Bromomethane | 0.347 | 0.399 | -15.0 | 112 | 0.03 |
| 6 | T | Chloroethane | 0.534 | 0.398 | 25.5# | 89 | 0.02 |
| 7 | T | Trichlorofluoromethane | 1.012 | 0.918 | 9.3 | 103 | 0.00 |
| 8 | T | Diethyl Ether | 0.414 | 0.374 | 9.7 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.617 | 0.552 | 10.5 | 102 | 0.00 |
| 10 | T | Methyl Iodide | 0.711 | 0.742 | -4.4 | 106 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.214 | 0.132 | 38.3# | 71 | 0.09 |
| 12 | CM | 1,1-Dichloroethene | 0.615 | 0.564 | 8.3# | 104 | 0.00 |
| 13 | T | Acrolein | 0.125 | 0.076 | 39.2# | 70 | 0.00 |
| 14 | T | Allyl chloride | 1.147 | 0.928 | 19.1 | 91 | 0.00 |
| 15 | T | Acrylonitrile | 0.442 | 0.439 | 0.7 | 107 | 0.00 |
| 16 | T | Acetone | 0.467 | 0.382 | 18.2 | 101 | 0.02 |
| 17 | T | Carbon Disulfide | 1.974 | 1.727 | 12.5 | 101 | 0.00 |
| 18 | T | Methyl Acetate | 1.023 | 1.012 | 1.1 | 108 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.877 | 1.790 | 4.6 | 102 | 0.00 |
| 20 | T | Methylene Chloride | 0.807 | 0.706 | 12.5 | 104 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.679 | 0.645 | 5.0 | 106 | 0.00 |
| 22 | T | Diisopropyl ether | 1.975 | 1.769 | 10.4 | 96 | 0.00 |
| 23 | T | Vinyl Acetate | 1.874 | 1.699 | 9.3 | 96 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.312 | 1.163 | 11.4 | 100 | 0.00 |
| 25 | T | 2-Butanone | 0.664 | 0.606 | 8.7 | 100 | 0.02 |
| 26 | T | 2,2-Dichloropropane | 1.036 | 0.632 | 39.0# | 69 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.758 | 0.704 | 7.1 | 104 | 0.00 |
| 28 | T | Bromochloromethane | 0.626 | 0.573 | 8.5 | 103 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.361 | 0.361 | 0.0 | 105 | 0.01 |
| 30 | C | Chloroform | 1.282 | 1.187 | 7.4# | 105 | 0.00 |
| 31 | T | Cyclohexane | 1.122 | 0.952 | 15.2 | 97 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.066 | 0.991 | 7.0 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.795 | 0.730 | 8.2 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.348 | 0.333 | 4.3 | 106 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.556 | 0.493 | 11.3 | 100 | 0.00 |
| 37 | T | Ethyl Acetate | 0.666 | 0.643 | 3.5 | 108 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.502 | 0.473 | 5.8 | 105 | 0.00 |
| 39 | T | Methylcyclohexane | 0.593 | 0.522 | 12.0 | 98 | 0.00 |
| 40 | TM | Benzene | 1.648 | 1.510 | 8.4 | 103 | 0.00 |
| 41 | T | Methacrylonitrile | 0.341 | 0.326 | 4.4 | 101 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.582 | 0.507 | 12.9 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.945 | 0.860 | 9.0 | 99 | 0.00 |
| 44 | TM | Trichloroethene | 0.380 | 0.360 | 5.3 | 107 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.448 | 0.395 | 11.8# | 102 | 0.00 |
| 46 | T | Dibromomethane | 0.289 | 0.267 | 7.6 | 106 | 0.00 |
| 47 | T | Bromodichloromethane | 0.568 | 0.522 | 8.1 | 103 | 0.00 |
| 48 | T | Methyl methacrylate | 0.460 | 0.417 | 9.3 | 97 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

**Instrument :** MSVOA_U
**LabSampleId :** VSTDCCC050

Quant Time: Jun 15 05:45:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.012 | 0.011 | 8.3 | 99 | 0.06 |
| 50 | S | Toluene-d8 | 1.336 | 1.265 | 5.3 | 105 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.684 | 0.635 | 7.2 | 99 | 0.00 |
| 52 | CM | Toluene | 0.977 | 0.937 | 4.1# | 103 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.621 | 0.553 | 11.0 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.670 | 0.602 | 10.1 | 98 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.410 | 0.388 | 5.4 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.627 | 0.619 | 1.3 | 102 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.728 | 0.670 | 8.0 | 103 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.194 | 0.215 | -10.8 | 115 | 0.00 |
| 59 | T | 2-Hexanone | 0.546 | 0.502 | 8.1 | 98 | 0.00 |
| 60 | T | Dibromochloromethane | 0.408 | 0.403 | 1.2 | 108 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.432 | 0.417 | 3.5 | 108 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.535 | 0.500 | 6.5 | 104 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 0.344 | 0.316 | 8.1 | 101 | 0.00 |
| 65 | PM | Chlorobenzene | 1.069 | 1.022 | 4.4 | 106 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.373 | 0.367 | 1.6 | 107 | 0.00 |
| 67 | C | Ethyl Benzene | 1.920 | 1.872 | 2.5# | 102 | 0.00 |
| 68 | T | m/p-Xylenes | 0.717 | 0.724 | -1.0 | 104 | 0.00 |
| 69 | T | o-Xylene | 0.680 | 0.683 | -0.4 | 103 | 0.00 |
| 70 | T | Styrene | 1.185 | 1.198 | -1.1 | 102 | 0.00 |
| 71 | P | Bromoform | 0.318 | 0.319 | -0.3 | 107 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 73 | T | Isopropylbenzene | 3.348 | 3.315 | 1.0 | 102 | 0.00 |
| 74 | T | N-amyl acetate | 1.504 | 1.388 | 7.7 | 98 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.458 | 1.318 | 9.6 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.676 | 1.502 | 10.4 | 98 | 0.00 |
| 77 | T | Bromobenzene | 0.842 | 0.802 | 4.8 | 107 | 0.00 |
| 78 | T | n-propylbenzene | 4.358 | 4.076 | 6.5 | 100 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.582 | 2.379 | 7.9 | 99 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.979 | 2.929 | 1.7 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.462 | 0.381 | 17.5 | 88 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.049 | 2.831 | 7.1 | 99 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.795 | 2.771 | 0.9 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.993 | 2.961 | 1.1 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.670 | 3.520 | 4.1 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.144 | 3.097 | 1.5 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.652 | 1.546 | 6.4 | 104 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.759 | 1.578 | 10.3 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 3.194 | 2.827 | 11.5 | 94 | 0.00 |
| 90 | T | Hexachloroethane | 0.498 | 0.470 | 5.6 | 103 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.661 | 1.536 | 7.5 | 105 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.330 | 0.308 | 6.7 | 104 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.046 | 0.997 | 4.7 | 106 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.561 | 0.531 | 5.3 | 105 | 0.00 |
| 95 | T | Naphthalene | 3.306 | 3.353 | -1.4 | 110 | 0.00 |

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Data File : VU044216.D
Acq On : 15 Jun 2021 05:30
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 15 05:45:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.014 | 0.992 | 2.2 | 109 | 0.00 |

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