Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
Data File : VU045013.D
Acq On : 29 Sep 2021 23:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Sep 30 00:03:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 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 | 113 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.619 | 0.572 | 7.6 | 97 | 0.00 |
| 3 | P | Chloromethane | 0.802 | 0.666 | 17.0 | 95 | 0.00 |
| 4 | C | Vinyl Chloride | 0.801 | 0.768 | 4.1# | 102 | 0.00 |
| 5 | T | Bromomethane | 0.314 | 0.287 | 8.6 | 102 | 0.00 |
| 6 | T | Chloroethane | 0.615 | 0.512 | 16.7 | 96 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.058 | 1.036 | 2.1 | 105 | 0.00 |
| 8 | T | Diethyl Ether | 0.485 | 0.476 | 1.9 | 106 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.601 | 0.569 | 5.3 | 101 | 0.00 |
| 10 | T | Methyl Iodide | 0.642 | 0.654 | -1.9 | 102 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.239 | 0.215 | 10.0 | 98 | -0.03 |
| 12 | CM | 1,1-Dichloroethene | 0.593 | 0.571 | 3.7# | 102 | 0.00 |
| 13 | T | Acrolein | 0.052 | 0.039 | 25.0# | 98 | 0.00 |
| 14 | T | Allyl chloride | 1.097 | 1.029 | 6.2 | 100 | 0.00 |
| 15 | T | Acrylonitrile | 0.482 | 0.466 | 3.3 | 103 | 0.00 |
| 16 | T | Acetone | 0.494 | 0.395 | 20.0# | 86 | 0.00 |
| 17 | T | Carbon Disulfide | 1.750 | 1.584 | 9.5 | 99 | 0.00 |
| 18 | T | Methyl Acetate | 1.444 | 1.380 | 4.4 | 103 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.288 | 2.258 | 1.3 | 104 | 0.00 |
| 20 | T | Methylene Chloride | 0.744 | 0.713 | 4.2 | 106 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.648 | 0.619 | 4.5 | 103 | 0.00 |
| 22 | T | Diisopropyl ether | 2.240 | 2.181 | 2.6 | 103 | 0.00 |
| 23 | T | Vinyl Acetate | 1.822 | 1.781 | 2.3 | 102 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.286 | 1.240 | 3.6 | 104 | 0.00 |
| 25 | T | 2-Butanone | 0.702 | 0.647 | 7.8 | 97 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.087 | 0.877 | 19.3 | 86 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.766 | 0.740 | 3.4 | 104 | 0.00 |
| 28 | T | Bromochloromethane | 0.533 | 0.604 | -13.3 | 123 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.418 | 0.405 | 3.1 | 102 | 0.00 |
| 30 | C | Chloroform | 1.296 | 1.250 | 3.5# | 103 | 0.00 |
| 31 | T | Cyclohexane | 1.264 | 1.126 | 10.9 | 100 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.069 | 1.057 | 1.1 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.832 | 0.865 | -4.0 | 123 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.315 | 0.324 | -2.9 | 122 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.523 | 0.494 | 5.5 | 102 | 0.00 |
| 37 | T | Ethyl Acetate | 0.692 | 0.647 | 6.5 | 103 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.452 | 0.436 | 3.5 | 103 | 0.00 |
| 39 | T | Methylcyclohexane | 0.642 | 0.598 | 6.9 | 100 | 0.00 |
| 40 | TM | Benzene | 1.557 | 1.475 | 5.3 | 103 | 0.00 |
| 41 | T | Methacrylonitrile | 0.356 | 0.346 | 2.8 | 103 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.612 | 0.583 | 4.7 | 104 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.041 | 0.992 | 4.7 | 103 | 0.00 |
| 44 | TM | Trichloroethene | 0.367 | 0.349 | 4.9 | 104 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.413 | 0.393 | 4.8# | 104 | 0.00 |
| 46 | T | Dibromomethane | 0.278 | 0.268 | 3.6 | 104 | 0.00 |
| 47 | T | Bromodichloromethane | 0.540 | 0.535 | 0.9 | 106 | 0.00 |
| 48 | T | Methyl methacrylate | 0.507 | 0.483 | 4.7 | 103 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Sep 30 00:03:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 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 | 91 | 0.00 |
| 50 | S | Toluene-d8 | 1.246 | 1.299 | -4.3 | 123 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.758 | 0.721 | 4.9 | 101 | 0.00 |
| 52 | CM | Toluene | 0.975 | 0.954 | 2.2# | 106 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.618 | 0.600 | 2.9 | 102 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.643 | 0.630 | 2.0 | 104 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.406 | 0.402 | 1.0 | 108 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.707 | 0.710 | -0.4 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.725 | 0.696 | 4.0 | 105 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.205 | 0.219 | -6.8 | 108 | 0.00 |
| 59 | T | 2-Hexanone | 0.617 | 0.573 | 7.1 | 96 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.394 | -2.3 | 106 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.432 | 0.428 | 0.9 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.515 | 0.530 | -2.9 | 122 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 64 | T | Tetrachloroethene | 0.326 | 0.322 | 1.2 | 110 | 0.00 |
| 65 | PM | Chlorobenzene | 1.048 | 1.012 | 3.4 | 107 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.366 | 0.357 | 2.5 | 106 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.897 | 1.7# | 106 | 0.00 |
| 68 | T | m/p-Xylenes | 0.749 | 0.720 | 3.9 | 104 | 0.00 |
| 69 | T | o-Xylene | 0.744 | 0.731 | 1.7 | 106 | 0.00 |
| 70 | T | Styrene | 1.248 | 1.244 | 0.3 | 105 | 0.00 |
| 71 | P | Bromoform | 0.311 | 0.307 | 1.3 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 3.723 | 3.877 | -4.1 | 106 | 0.00 |
| 74 | T | N-amyl acetate | 1.875 | 1.886 | -0.6 | 98 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.611 | 1.553 | 3.6 | 97 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.458 | 1.456 | 0.1 | 98 | 0.00 |
| 77 | T | Bromobenzene | 0.899 | 0.901 | -0.2 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 4.537 | 4.725 | -4.1 | 103 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.844 | 2.827 | 0.6 | 102 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.262 | 3.355 | -2.9 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.526 | 0.475 | 9.7 | 89 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.215 | 3.247 | -1.0 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.173 | 3.246 | -2.3 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.227 | 3.378 | -4.7 | 102 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.086 | 4.218 | -3.2 | 101 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.287 | 3.418 | -4.0 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.722 | 1.689 | 1.9 | 98 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.761 | 1.693 | 3.9 | 98 | 0.00 |
| 89 | T | n-Butylbenzene | 3.027 | 3.096 | -2.3 | 98 | 0.00 |
| 90 | T | Hexachloroethane | 0.593 | 0.587 | 1.0 | 99 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.760 | 1.714 | 2.6 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.380 | 0.379 | 0.3 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.981 | 0.951 | 3.1 | 96 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.409 | 0.368 | 10.0 | 90 | 0.00 |
| 95 | T | Naphthalene | 3.689 | 3.619 | 1.9 | 98 | 0.00 |

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ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Sep 30 00:03:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 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 | 0.985 | 0.951 | 3.5 | 96 | 0.00 |

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