Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051821\
Data File : VX022054.D
Acq On : 18 May 2021 09:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_X
**LabSampleId :** VSTDCCC050

Quant Time: May 19 01:57:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
Quant Title : SW846 8260
QLast Update : Sat May 08 05:38:18 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 | 100 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.658 | 0.653 | 0.8 | 99 | 0.00 |
| 3 | P | Chloromethane | 0.791 | 0.711 | 10.1 | 92 | 0.00 |
| 4 | C | Vinyl Chloride | 0.913 | 0.766 | 16.1# | 87 | 0.00 |
| 5 | T | Bromomethane | 0.333 | 0.374 | -12.3 | 122 | 0.01 |
| 6 | T | Chloroethane | 0.475 | 0.476 | -0.2 | 96 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.258 | 1.107 | 12.0 | 90 | 0.00 |
| 8 | T | Diethyl Ether | 0.528 | 0.458 | 13.3 | 92 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.640 | 0.654 | -2.2 | 108 | 0.00 |
| 10 | T | Methyl Iodide | 0.760 | 0.655 | 13.8 | 82 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.220 | 0.160 | 27.3# | 77 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.678 | 0.629 | 7.2# | 98 | 0.00 |
| 13 | T | Acrolein | 0.110 | 0.136 | -23.6 | 161# | 0.00 |
| 14 | T | Allyl chloride | 1.242 | 1.140 | 8.2 | 95 | 0.00 |
| 15 | T | Acrylonitrile | 0.413 | 0.363 | 12.1 | 90 | 0.00 |
| 16 | T | Acetone | 0.369 | 0.398 | -7.9 | 113 | 0.00 |
| 17 | T | Carbon Disulfide | 1.886 | 1.655 | 12.2 | 91 | 0.00 |
| 18 | T | Methyl Acetate | 1.023 | 0.934 | 8.7 | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.174 | 2.101 | 3.4 | 99 | 0.00 |
| 20 | T | Methylene Chloride | 0.875 | 0.722 | 17.5 | 98 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.723 | 0.691 | 4.4 | 97 | 0.00 |
| 22 | T | Diisopropyl ether | 2.313 | 2.196 | 5.1 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 2.276 | 2.101 | 7.7 | 92 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.330 | 1.288 | 3.2 | 100 | 0.00 |
| 25 | T | 2-Butanone | 0.635 | 0.599 | 5.7 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.190 | 1.179 | 0.9 | 103 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.854 | 0.829 | 2.9 | 100 | 0.00 |
| 28 | T | Bromochloromethane | 0.608 | 0.596 | 2.0 | 99 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.377 | 0.324 | 14.1 | 86 | 0.00 |
| 30 | C | Chloroform | 1.356 | 1.333 | 1.7# | 102 | 0.00 |
| 31 | T | Cyclohexane | 1.087 | 1.053 | 3.1 | 100 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.190 | 1.155 | 2.9 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.823 | 0.777 | 5.6 | 97 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.343 | 0.327 | 4.7 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.530 | 0.520 | 1.9 | 102 | 0.00 |
| 37 | T | Ethyl Acetate | 0.640 | 0.570 | 10.9 | 89 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.530 | 0.520 | 1.9 | 98 | 0.00 |
| 39 | T | Methylcyclohexane | 0.595 | 0.595 | 0.0 | 102 | 0.00 |
| 40 | TM | Benzene | 1.596 | 1.570 | 1.6 | 99 | 0.00 |
| 41 | T | Methacrylonitrile | 0.346 | 0.309 | 10.7 | 91 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.547 | 0.549 | -0.4 | 100 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.083 | 0.973 | 10.2 | 91 | 0.00 |
| 44 | TM | Trichloroethene | 0.388 | 0.389 | -0.3 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.418 | 0.408 | 2.4# | 98 | 0.00 |
| 46 | T | Dibromomethane | 0.283 | 0.274 | 3.2 | 100 | 0.00 |
| 47 | T | Bromodichloromethane | 0.570 | 0.560 | 1.8 | 99 | 0.00 |
| 48 | T | Methyl methacrylate | 0.498 | 0.457 | 8.2 | 92 | 0.00 |

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Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_X
**LabSampleId :** VSTDCCC050

Quant Time: May 19 01:57:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
Quant Title : SW846 8260
QLast Update : Sat May 08 05:38:18 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.010 | 0.008 | 20.0 | 74 | 0.02 |
| 50 | S | Toluene-d8 | 1.308 | 1.252 | 4.3 | 97 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.674 | 0.583 | 13.5 | 86 | 0.00 |
| 52 | CM | Toluene | 1.019 | 0.982 | 3.6# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.665 | 0.643 | 3.3 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.696 | 0.701 | -0.7 | 100 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.407 | 0.407 | 0.0 | 100 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.715 | 0.647 | 9.5 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.697 | 0.691 | 0.9 | 98 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.350 | 0.343 | 2.0 | 96 | 0.00 |
| 59 | T | 2-Hexanone | 0.519 | 0.446 | 14.1 | 84 | 0.00 |
| 60 | T | Dibromochloromethane | 0.439 | 0.416 | 5.2 | 96 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.425 | 0.411 | 3.3 | 97 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.516 | 0.482 | 6.6 | 95 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 0.322 | 0.371 | -15.2 | 116 | 0.00 |
| 65 | PM | Chlorobenzene | 1.159 | 1.162 | -0.3 | 97 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.426 | 0.423 | 0.7 | 99 | 0.00 |
| 67 | C | Ethyl Benzene | 2.136 | 2.146 | -0.5# | 97 | 0.00 |
| 68 | T | m/p-Xylenes | 0.816 | 0.810 | 0.7 | 95 | 0.00 |
| 69 | T | o-Xylene | 0.815 | 0.784 | 3.8 | 96 | 0.00 |
| 70 | T | Styrene | 1.355 | 1.327 | 2.1 | 92 | 0.00 |
| 71 | P | Bromoform | 0.324 | 0.303 | 6.5 | 90 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 4.521 | 4.650 | -2.9 | 96 | 0.00 |
| 74 | T | N-amyl acetate | 2.423 | 2.133 | 12.0 | 82 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.677 | 1.462 | 12.8 | 84 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.422 | 1.337 | 6.0 | 86 | 0.00 |
| 77 | T | Bromobenzene | 0.974 | 0.975 | -0.1 | 93 | 0.00 |
| 78 | T | n-propylbenzene | 5.356 | 5.493 | -2.6 | 95 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.245 | 3.215 | 0.9 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.885 | 3.891 | -0.2 | 92 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.613 | 0.567 | 7.5 | 85 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.756 | 3.728 | 0.7 | 91 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.766 | 3.633 | 3.5 | 90 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.897 | 3.943 | -1.2 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.624 | 4.798 | -3.8 | 95 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.941 | 4.092 | -3.8 | 94 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.840 | 1.872 | -1.7 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.903 | 1.850 | 2.8 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 3.634 | 3.852 | -6.0 | 93 | 0.00 |
| 90 | T | Hexachloroethane | 0.712 | 0.680 | 4.5 | 90 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.816 | 1.775 | 2.3 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.404 | 0.318 | 21.3 | 81 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.094 | 1.114 | -1.8 | 95 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.427 | 0.429 | -0.5 | 92 | 0.00 |
| 95 | T | Naphthalene | 4.482 | 4.339 | 3.2 | 87 | 0.00 |

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Data File : VX022054.D
Acq On : 18 May 2021 09:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 19 01:57:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
Quant Title : SW846 8260
QLast Update : Sat May 08 05:38:18 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.109 | 1.118 | -0.8 | 93 | 0.00 |

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