Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011521\
Data File : VX020648.D
Acq On : 15 Jan 2021 21:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jan 16 01:00:29 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 11 15:05:37 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 | 99 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.493 | 0.537 | -8.9 | 102 | 0.00 |
| 3 | P | Chloromethane | 0.456 | 0.506 | -11.0 | 107 | 0.00 |
| 4 | C | Vinyl Chloride | 0.523 | 0.590 | -12.8# | 108 | 0.00 |
| 5 | T | Bromomethane | 0.353 | 0.370 | -4.8 | 101 | -0.01 |
| 6 | T | Chloroethane | 0.304 | 0.393 | -29.3# | 115 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.867 | 0.968 | -11.6 | 110 | 0.00 |
| 8 | T | Diethyl Ether | 0.309 | 0.379 | -22.7 | 123 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.486 | 0.523 | -7.6 | 105 | 0.00 |
| 10 | T | Methyl Iodide | 0.678 | 0.723 | -6.6 | 99 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.117 | 0.126 | -7.7 | 112 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 0.477 | 0.526 | -10.3# | 108 | 0.00 |
| 13 | T | Acrolein | 0.083 | 0.078 | 6.0 | 93 | 0.00 |
| 14 | T | Allyl chloride | 0.663 | 0.755 | -13.9 | 113 | 0.00 |
| 15 | T | Acrylonitrile | 0.255 | 0.309 | -21.2 | 118 | 0.00 |
| 16 | T | Acetone | 0.225 | 0.248 | -10.2 | 118 | -0.01 |
| 17 | T | Carbon Disulfide | 1.316 | 1.384 | -5.2 | 103 | 0.00 |
| 18 | T | Methyl Acetate | 0.532 | 0.650 | -22.2 | 124 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.548 | 1.811 | -17.0 | 112 | 0.00 |
| 20 | T | Methylene Chloride | 0.567 | 0.613 | -8.1 | 111 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.536 | 0.591 | -10.3 | 108 | 0.00 |
| 22 | T | Diisopropyl ether | 1.339 | 1.631 | -21.8 | 116 | 0.00 |
| 23 | T | Vinyl Acetate | 1.143 | 1.411 | -23.4 | 116 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.889 | 1.034 | -16.3 | 115 | 0.00 |
| 25 | T | 2-Butanone | 0.325 | 0.394 | -21.2 | 120 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.827 | 0.838 | -1.3 | 102 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.598 | 0.679 | -13.5 | 112 | 0.00 |
| 28 | T | Bromochloromethane | 0.362 | 0.406 | -12.2 | 113 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.198 | 0.248 | -25.3# | 119 | 0.00 |
| 30 | C | Chloroform | 0.995 | 1.120 | -12.6# | 112 | 0.00 |
| 31 | T | Cyclohexane | 0.706 | 0.817 | -15.7 | 109 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.895 | 0.998 | -11.5 | 110 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.601 | 0.679 | -13.0 | 117 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.335 | 3.2 | 111 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.457 | 0.473 | -3.5 | 111 | 0.00 |
| 37 | T | Ethyl Acetate | 0.415 | 0.452 | -8.9 | 119 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.533 | 0.521 | 2.3 | 107 | 0.00 |
| 39 | T | Methylcyclohexane | 0.522 | 0.585 | -12.1 | 116 | 0.00 |
| 40 | TM | Benzene | 1.373 | 1.417 | -3.2 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 0.217 | 0.242 | -11.5 | 116 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.490 | 0.523 | -6.7 | 116 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.643 | 0.715 | -11.2 | 118 | 0.00 |
| 44 | TM | Trichloroethene | 0.408 | 0.420 | -2.9 | 113 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.337 | 0.401 | -19.0# | 129 | 0.00 |
| 46 | T | Dibromomethane | 0.256 | 0.290 | -13.3 | 123 | 0.00 |
| 47 | T | Bromodichloromethane | 0.522 | 0.586 | -12.3 | 122 | 0.00 |
| 48 | T | Methyl methacrylate | 0.313 | 0.410 | -31.0# | 136 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jan 16 01:00:29 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 11 15:05:37 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 | 0.008 | 0.010 | -25.0 | 130 | -0.03 |
| 50 | S | Toluene-d8 | 1.240 | 1.362 | -9.8 | 123 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.399 | 0.536 | -34.3# | 139 | 0.00 |
| 52 | CM | Toluene | 0.873 | 1.021 | -17.0# | 124 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.532 | 0.619 | -16.4 | 124 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.569 | 0.664 | -16.7 | 123 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.369 | 0.419 | -13.6 | 123 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.478 | 0.614 | -28.5# | 131 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.599 | 0.707 | -18.0 | 128 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.226 | 0.300 | -32.7# | 130 | 0.00 |
| 59 | T | 2-Hexanone | 0.299 | 0.402 | -34.4# | 137 | 0.00 |
| 60 | T | Dibromochloromethane | 0.417 | 0.455 | -9.1 | 117 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.394 | 0.430 | -9.1 | 117 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.438 | 0.511 | -16.7 | 142 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 64 | T | Tetrachloroethene | 0.452 | 0.389 | 13.9 | 110 | 0.00 |
| 65 | PM | Chlorobenzene | 1.052 | 1.028 | 2.3 | 121 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.402 | 0.396 | 1.5 | 129 | 0.00 |
| 67 | C | Ethyl Benzene | 1.732 | 1.839 | -6.2# | 135 | 0.00 |
| 68 | T | m/p-Xylenes | 0.668 | 0.700 | -4.8 | 126 | 0.00 |
| 69 | T | o-Xylene | 0.615 | 0.653 | -6.2 | 129 | 0.00 |
| 70 | T | Styrene | 1.050 | 1.130 | -7.6 | 128 | 0.00 |
| 71 | P | Bromoform | 0.326 | 0.304 | 6.7 | 110 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 129 | 0.00 |
| 73 | T | Isopropylbenzene | 3.371 | 3.734 | -10.8 | 140 | 0.00 |
| 74 | T | N-amyl acetate | 1.072 | 1.323 | -23.4 | 134 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.098 | 1.247 | -13.6 | 148 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.053 | 1.204 | -14.3 | 147 | 0.00 |
| 77 | T | Bromobenzene | 0.903 | 0.889 | 1.6 | 128 | 0.00 |
| 78 | T | n-propylbenzene | 3.726 | 4.273 | -14.7 | 140 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.299 | 2.500 | -8.7 | 138 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.825 | 3.192 | -13.0 | 139 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.387 | 0.415 | -7.2 | 140 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.728 | 3.060 | -12.2 | 142 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.713 | 2.921 | -7.7 | 133 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.824 | 3.282 | -16.2 | 138 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.166 | 3.598 | -13.6 | 140 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.940 | 3.234 | -10.0 | 132 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.651 | 1.627 | 1.5 | 127 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.692 | 1.632 | 3.5 | 127 | 0.00 |
| 89 | T | n-Butylbenzene | 2.544 | 2.842 | -11.7 | 139 | 0.00 |
| 90 | T | Hexachloroethane | 0.555 | 0.568 | -2.3 | 135 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.630 | 1.636 | -0.4 | 132 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.280 | -8.5 | 148 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.087 | 0.983 | 9.6 | 113 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.593 | 0.435 | 26.6# | 101 | 0.00 |
| 95 | T | Naphthalene | 3.166 | 3.579 | -13.0 | 132 | 0.00 |

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

Quant Time: Jan 16 01:00:29 2021
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Quant Title : SW846 8260
QLast Update : Mon Jan 11 15:05:37 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 | 1.105 | 1.006 | 9.0 | 115 | 0.00 |

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