Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041621\
Data File : VU043157.D
Acq On : 16 Apr 2021 10:04
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :**

Quant Time: Apr 17 02:27:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.269 | 3.5 | 91 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.354 | 3.3 | 90 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.256 | 3.5# | 93 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 65.859 | -31.7# | 119 | 0.02 |
| 6 | T | Chloroethane | 50.000 | 57.294 | -14.6 | 108 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.615 | -1.2 | 98 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.141 | -4.3 | 99 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.340 | -2.7 | 98 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.249 | 1.5 | 87 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 214.339 | 14.3 | 81 | 0.02 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.517 | 1.0# | 94 | 0.00 |
| 13 | T | Acrolein | 250.000 | 206.880 | 17.2 | 78 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.791 | 0.4 | 98 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 251.301 | -0.5 | 97 | 0.00 |
| 16 | T | Acetone | 250.000 | 263.519 | -5.4 | 100 | 0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 44.601 | 10.8 | 88 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 53.789 | -7.6 | 105 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.484 | -5.0 | 99 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.462 | 3.1 | 96 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.464 | 1.1 | 96 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 53.165 | -6.3 | 100 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 267.791 | -7.1 | 99 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.259 | -0.5 | 96 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 251.952 | -0.8 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.285 | -2.6 | 96 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.091 | -2.2 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.045 | -2.1 | 102 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 253.101 | -1.2 | 96 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.908 | -1.8# | 97 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.633 | 4.7 | 93 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.565 | -1.1 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 49.445 | 1.1 | 99 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.707 | -1.4 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 52.288 | -4.6 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.676 | -3.4 | 101 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.055 | -2.1 | 94 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.741 | 0.5 | 91 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.035 | -4.1 | 97 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 51.295 | -2.6 | 99 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.303 | -6.6 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 52.999 | -6.0 | 99 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.220 | -4.4 | 97 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.199 | -6.4# | 98 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.583 | -7.2 | 100 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.356 | -6.7 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.255 | -4.5 | 96 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :**

Quant Time: Apr 17 02:27:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1080.809 | -8.1 | 93 | 0.03 |
| 50 | S | Toluene-d8 | 50.000 | 50.215 | -0.4 | 97 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 254.427 | -1.8 | 94 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.727 | -5.5# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.380 | -6.8 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.187 | -6.4 | 97 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.618 | -7.2 | 100 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.246 | -4.5 | 94 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.113 | -6.2 | 99 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 188.734 | 24.5# | 74 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 251.743 | -0.7 | 90 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.691 | -7.4 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.642 | -7.3 | 97 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.446 | 1.1 | 95 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 53.608 | -7.2 | 101 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.690 | -1.4 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.783 | -3.6 | 95 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.459 | -4.9# | 96 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 105.559 | -5.6 | 94 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.317 | -2.6 | 93 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.179 | -6.4 | 94 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.506 | 1.0 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.435 | -4.9 | 94 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.471 | -0.9 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.078 | -0.2 | 90 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.032 | 1.9 | 93 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.405 | -0.8 | 95 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.477 | -7.0 | 95 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.165 | -2.3 | 92 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.199 | -4.4 | 90 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 45.506 | 9.0 | 80 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.744 | -3.5 | 93 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.966 | 0.1 | 88 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.249 | -2.5 | 90 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.221 | -2.4 | 90 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.832 | -3.7 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.867 | 0.3 | 91 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.204 | 1.6 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.935 | -1.9 | 88 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 45.070 | 9.9 | 81 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.402 | 1.2 | 90 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.502 | 3.0 | 86 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.833 | 0.3 | 94 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.964 | 0.1 | 88 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.889 | -1.8 | 97 | 0.00 |

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MSVOA_U
**ClientSampleId :**

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Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.232 | -2.5 | 95 | 0.00 |

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