# Evaluate Continuing Calibration Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
Data File : VX003731.D
Acq On : 30 Jul 2018 18:31
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00G/5.0mL/MSVOA X/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** ICVVX073018

Quant Time: Jul 31 11:38:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
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 | 109 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.030 | 7.9 | 107 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.928 | 2.1 | 111 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.364 | 7.3# | 100 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 55.385 | -10.8 | 119 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 43.755 | 12.5 | 108 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.949 | 4.1 | 110 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.637 | -3.3 | 114 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.455 | 3.1 | 110 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 52.121 | -4.2 | 109 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 237.461 | 5.0 | 107 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.331 | 3.3# | 110 | 0.00 |
| 13 | T | Acrolein | 250.000 | 159.139 | 36.3# | 114 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.288 | -0.6 | 110 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 245.927 | 1.6 | 109 | 0.00 |
| 16 | T | Acetone | 250.000 | 247.325 | 1.1 | 106 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.720 | 4.6 | 110 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.552 | 10.9 | 97 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.004 | -4.0 | 111 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.906 | -3.8 | 114 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.700 | 2.6 | 112 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.914 | -1.8 | 111 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 267.251 | -6.9 | 110 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.451 | -0.9 | 113 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 257.210 | -2.9 | 113 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.743 | -1.5 | 114 | 0.01 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.664 | -1.3 | 112 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.982 | -2.0 | 112 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 244.135 | 2.3 | 108 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.773 | -1.5# | 112 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.793 | 2.4 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.992 | -2.0 | 111 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.233 | -2.5 | 111 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 112 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.721 | -5.4 | 117 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.761 | 2.5 | 112 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.334 | 1.3 | 109 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.865 | 2.3 | 111 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.487 | 1.0 | 112 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.312 | -2.6 | 114 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 49.658 | 0.7 | 109 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.145 | -0.3 | 109 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.377 | -0.8 | 110 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.643 | 2.7 | 113 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.831 | -1.7# | 110 | 0.00 |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 50.000 | 51.136 | -2.3 | 113 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.451 | -4.9 | 113 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.956 | -1.9 | 109 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 963.863 | 3.6 | 109 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.703 | -3.4 | 118 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 253.130 | -1.3 | 109 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.093 | -0.2# | 111 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.033 | -6.1 | 112 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.312 | -6.6 | 113 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.447 | -2.9 | 111 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.677 | -7.4 | 113 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.503 | -3.0 | 112 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 252.302 | -0.9 | 115 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 251.949 | -0.8 | 108 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.721 | -5.4 | 112 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.375 | -2.8 | 111 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.211 | -2.4 | 117 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 111 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.199 | 3.6 | 109 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.093 | -0.2 | 112 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.209 | -4.4 | 112 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.788 | -1.6# | 112 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 101.431 | -1.4 | 111 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.516 | -3.0 | 112 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.481 | -5.0 | 112 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.645 | -7.3 | 115 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 110 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.753 | -1.5 | 112 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.410 | -0.8 | 110 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.887 | 0.2 | 109 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.626 | -1.3 | 110 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.340 | -2.7 | 113 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.087 | -0.2 | 111 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.986 | 0.0 | 112 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.893 | -1.8 | 112 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.492 | -7.0 | 111 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.528 | 0.9 | 111 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.471 | -2.9 | 113 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.918 | -1.8 | 112 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.014 | -0.0 | 110 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.173 | -0.3 | 110 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.560 | 0.9 | 112 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.004 | 2.0 | 112 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.101 | -0.2 | 111 | 0.00 |

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|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 50.000 | 51.209 | -2.4 | 112 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 50.202 | -0.4 | 112 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.340 | -0.7 | 109 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 51.541 | -3.1 | 114 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 49.063 | 1.9 | 111 | 0.00 |
| 95 T | Naphthalene | 50.000 | 54.323 | -8.6 | 114 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.244 | -4.5 | 114 | 0.00 |

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