# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU072318\
Data File : VU025617.D
Acq On : 23 Jul 2018 21:25
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_U
**LabSampleId :** VSTD05065

Quant Time: Jul 24 02:10:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 24 02:07:37 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.493 | 0.442 | 10.3 | 88 | 0.00 |
| 3 | T | Chloromethane | 0.356 | 0.387 | -8.7 | 107 | 0.00 |
| 4 | S | Vinyl Chloride-d3 | 0.285 | 0.312 | -9.5 | 104 | 0.00 |
| 5 | T | Vinyl chloride | 0.390 | 0.374 | 4.1 | 93 | 0.00 |
| 6 | T | Bromomethane | 0.136 | 0.160 | -17.6 | 113 | 0.00 |
| 7 | S | Chloroethane-d5 | 0.235 | 0.249 | -6.0 | 103 | 0.00 |
| 8 | T | Chloroethane | 0.230 | 0.227 | 1.3 | 95 | 0.00 |
| 9 | T | Trichlorofluoromethane | 0.556 | 0.526 | 5.4 | 93 | 0.00 |
| 10 | T | 1,1,2-Trichloro-1,2,2-trifl | 0.311 | 0.297 | 4.5 | 89 | 0.00 |
| 11 | S | 1,1-Dichloroethene-d2 | 0.594 | 0.628 | -5.7 | 100 | 0.00 |
| 12 | T | 1,1-Dichloroethene | 0.282 | 0.286 | -1.4 | 97 | 0.00 |
| 13 | T | Acetone | 0.259 | 0.183 | 29.3# | 70 | 0.00 |
| 14 | T | Carbon disulfide | 0.919 | 0.876 | 4.7 | 93 | 0.00 |
| 15 | T | Methyl Acetate | 0.358 | 0.395 | -10.3 | 105 | 0.00 |
| 16 | T | Methylene chloride | 0.352 | 0.349 | 0.9 | 96 | 0.00 |
| 17 | T | trans-1,2-Dichloroethene | 0.325 | 0.326 | -0.3 | 99 | 0.00 |
| 18 | T | Methyl tert-butyl Ether | 1.058 | 1.098 | -3.8 | 99 | 0.00 |
| 19 | T | 1,1-Dichloroethane | 0.618 | 0.621 | -0.5 | 97 | 0.00 |
| 20 | T | cis-1,2-Dichloroethene | 0.367 | 0.376 | -2.5 | 99 | 0.00 |
| 21 | S | 2-Butanone-d5 | 0.220 | 0.258 | -17.3 | 107 | 0.00 |
| 22 | T | 2-Butanone | 0.288 | 0.275 | 4.5 | 91 | 0.00 |
| 23 | T | Bromochloromethane | 0.194 | 0.198 | -2.1 | 97 | 0.00 |
| 24 | S | Chloroform-d | 0.636 | 0.664 | -4.4 | 97 | 0.00 |
| 25 | T | Chloroform | 0.650 | 0.654 | -0.6 | 97 | 0.00 |
| 26 | S | 1,2-Dichloroethane-d4 | 0.420 | 0.437 | -4.0 | 98 | 0.00 |
| 27 | T | 1,2-Dichloroethane | 0.530 | 0.546 | -3.0 | 98 | 0.00 |
| 28 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 29 | T | Cyclohexane | 0.579 | 0.569 | 1.7 | 94 | 0.00 |
| 30 | T | 1,1,1-Trichloroethane | 0.626 | 0.627 | -0.2 | 96 | 0.00 |
| 31 | T | Carbon tetrachloride | 0.579 | 0.572 | 1.2 | 96 | 0.00 |
| 32 | S | Benzene-d6 | 1.282 | 1.339 | -4.4 | 99 | 0.00 |
| 33 | T | Benzene | 1.437 | 1.443 | -0.4 | 96 | 0.00 |
| 34 | T | Trichloroethene | 0.381 | 0.389 | -2.1 | 99 | 0.00 |
| 35 | T | Methylcyclohexane | 0.615 | 0.581 | 5.5 | 91 | 0.00 |
| 36 | S | 1,2-Dichloropropane-d6 | 0.413 | 0.430 | -4.1 | 100 | 0.00 |
| 37 | T | 1,2-Dichloropropane | 0.393 | 0.399 | -1.5 | 97 | 0.00 |
| 38 | T | Bromodichloromethane | 0.518 | 0.529 | -2.1 | 99 | 0.00 |
| 39 | T | cis-1,3-Dichloropropene | 0.609 | 0.629 | -3.3 | 96 | 0.00 |
| 40 | T | 4-Methyl-2-pentanone | 0.516 | 0.587 | -13.8 | 107 | 0.00 |
| 41 | S | Toluene-d8 | 1.230 | 1.304 | -6.0 | 99 | 0.00 |
| 42 | T | Toluene | 1.549 | 1.586 | -2.4 | 97 | 0.00 |
| 43 | S | trans-1,3-Dichloropropene-d | 0.211 | 0.226 | -7.1 | 100 | 0.00 |
| 44 | T | trans-1,3-Dichloropropene | 0.574 | 0.601 | -4.7 | 100 | 0.00 |
| 45 | T | 1,1,2-Trichloroethane | 0.377 | 0.380 | -0.8 | 98 | 0.00 |

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**Instrument :** MSVOA_U
**LabSampleId :** VSTD05065

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Quant Title : VOC Analysis
QLast Update : Tue Jul 24 02:07:37 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Tetrachloroethene | 0.330 | 0.334 | -1.2 | 96 | 0.00 |
| 47 | S | 2-Hexanone-d5 | 0.173 | 0.205 | -18.5 | 109 | 0.00 |
| 48 | T | 2-Hexanone | 0.436 | 0.466 | -6.9 | 102 | 0.00 |
| 49 | T | Dibromochloromethane | 0.442 | 0.457 | -3.4 | 97 | 0.00 |
| 50 | T | 1,2-Dibromoethane | 0.406 | 0.423 | -4.2 | 100 | 0.00 |
| 51 | T | Chlorobenzene | 1.043 | 1.073 | -2.9 | 100 | 0.00 |
| 52 | T | Ethylbenzene | 1.710 | 1.791 | -4.7 | 99 | 0.00 |
| 53 | T | m,p-Xylene | 0.655 | 0.699 | -6.7 | 100 | 0.00 |
| 54 | T | o-xylene | 0.665 | 0.681 | -2.4 | 97 | 0.00 |
| 55 | T | Styrene | 1.082 | 1.174 | -8.5 | 101 | 0.00 |
| 56 | T | Isopropylbenzene | 1.715 | 1.816 | -5.9 | 99 | 0.00 |
| 57 | S | 1,1,2,2-Tetrachloroethane-d | 0.578 | 0.616 | -6.6 | 100 | 0.00 |
| 58 | T | 1,1,2,2-Tetrachloroethane | 0.607 | 0.641 | -5.6 | 101 | 0.00 |
| 59 | | 1,2,3-Trichloropropane | 0.461 | 0.489 | -6.1 | 102 | 0.00 |
| 60 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 61 | T | Bromoform | 0.647 | 0.637 | 1.5 | 100 | 0.00 |
| 62 | T | 1,3-Dichlorobenzene | 1.582 | 1.637 | -3.5 | 104 | 0.00 |
| 63 | T | 1,4-Dichlorobenzene | 1.614 | 1.667 | -3.3 | 103 | 0.00 |
| 64 | S | 1,2-Dichlorobenzene-d4 | 1.013 | 1.053 | -3.9 | 102 | 0.00 |
| 65 | T | 1,2-Dichlorobenzene | 1.657 | 1.675 | -1.1 | 100 | 0.00 |
| 66 | T | 1,2-Dibromo-3-chloropropane | 0.261 | 0.282 | -8.0 | 106 | 0.00 |
| 67 | | 1,3,5-Trichlorobenzene | 1.221 | 1.303 | -6.7 | 105 | 0.00 |
| 68 | T | 1,2,4-trichlorobenzene | 1.026 | 1.161 | -13.2 | 109 | 0.00 |
| 69 | | Naphthalene | 3.086 | 3.728 | -20.8 | 113 | 0.00 |
| 70 | T | 1,2,3-Trichlorobenzene | 1.085 | 1.201 | -10.7 | 107 | 0.00 |

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