# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122920\
Data File : VD067961.D
Acq On : 29 Dec 2020 10:53
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**LabSampleId :** VSTDCCC050

Quant Time: Dec 30 00:10:53 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 23 07:34:16 2020
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 | 97 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.509 | 0.567 | -11.4 | 111 | 0.00 |
| 3 | P | Chloromethane | 0.696 | 0.586 | 15.8 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 0.649 | 0.596 | 8.2# | 96 | 0.00 |
| 5 | T | Bromomethane | 0.467 | 0.388 | 16.9 | 93 | 0.00 |
| 6 | T | Chloroethane | 0.399 | 0.357 | 10.5 | 95 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.956 | 1.006 | -5.2 | 111 | 0.00 |
| 8 | T | Diethyl Ether | 0.274 | 0.255 | 6.9 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.570 | 0.594 | -4.2 | 110 | 0.00 |
| 10 | T | Methyl Iodide | 0.498 | 0.580 | -16.5 | 101 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.046 | 0.033 | 28.3# | 105 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.547 | 0.559 | -2.2# | 106 | 0.00 |
| 13 | T | Acrolein | 0.038 | 0.039 | -2.6 | 104 | 0.00 |
| 14 | T | Allyl chloride | 0.972 | 0.897 | 7.7 | 92 | 0.00 |
| 15 | T | Acrylonitrile | 0.131 | 0.122 | 6.9 | 97 | 0.00 |
| 16 | T | Acetone | 0.103 | 0.123 | -19.4 | 132 | 0.00 |
| 17 | T | Carbon Disulfide | 1.905 | 1.836 | 3.6 | 97 | 0.00 |
| 18 | T | Methyl Acetate | 0.305 | 0.279 | 8.5 | 96 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.137 | 1.162 | -2.2 | 102 | 0.00 |
| 20 | T | Methylene Chloride | 0.849 | 0.634 | 25.3# | 92 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.653 | 0.662 | -1.4 | 101 | 0.00 |
| 22 | T | Diisopropyl ether | 1.958 | 1.852 | 5.4 | 93 | -0.01 |
| 23 | T | Vinyl Acetate | 0.995 | 0.978 | 1.7 | 94 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.185 | 1.115 | 5.9 | 98 | 0.00 |
| 25 | T | 2-Butanone | 0.152 | 0.147 | 3.3 | 100 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.934 | 0.974 | -4.3 | 110 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.698 | 0.681 | 2.4 | 98 | 0.00 |
| 28 | T | Bromochloromethane | 0.447 | 0.400 | 10.5 | 88 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.103 | 0.095 | 7.8 | 94 | 0.00 |
| 30 | C | Chloroform | 1.161 | 1.105 | 4.8# | 97 | 0.00 |
| 31 | T | Cyclohexane | 1.104 | 1.059 | 4.1 | 104 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.994 | 1.005 | -1.1 | 106 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.540 | 0.491 | 9.1 | 99 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.315 | 0.317 | -0.6 | 99 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.531 | 0.567 | -6.8 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 0.215 | 0.223 | -3.7 | 100 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.508 | 0.555 | -9.3 | 110 | 0.00 |
| 39 | T | Methylcyclohexane | 0.609 | 0.681 | -11.8 | 111 | 0.00 |
| 40 | TM | Benzene | 1.542 | 1.543 | -0.1 | 96 | 0.00 |
| 41 | T | Methacrylonitrile | 0.121 | 0.135 | -11.6 | 107 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.416 | 0.413 | 0.7 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.395 | 0.391 | 1.0 | 95 | 0.00 |
| 44 | TM | Trichloroethene | 0.386 | 0.407 | -5.4 | 104 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.392 | 0.390 | 0.5# | 97 | 0.00 |
| 46 | T | Dibromomethane | 0.191 | 0.198 | -3.7 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 0.515 | 0.525 | -1.9 | 99 | 0.00 |
| 48 | T | Methyl methacrylate | 0.204 | 0.205 | -0.5 | 95 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.002 | 0.002 | 0.0 | 94 | 0.00 |

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**Instrument :** MSVOA_D
**LabSampleId :** VSTDCCC050

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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) |
|---|---|---|---|---|---|---|---|
| 50 | S | Toluene-d8 | 1.184 | 1.170 | 1.2 | 100 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.204 | 0.209 | -2.5 | 97 | 0.00 |
| 52 | CM | Toluene | 0.952 | 0.982 | -3.2# | 98 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.466 | 0.485 | -4.1 | 99 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.576 | 0.582 | -1.0 | 98 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.267 | 0.274 | -2.6 | 102 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.300 | 0.333 | -11.0 | 103 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.469 | 0.472 | -0.6 | 97 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.151 | 0.166 | -9.9 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 0.134 | 0.150 | -11.9 | 105 | 0.00 |
| 60 | T | Dibromochloromethane | 0.330 | 0.347 | -5.2 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.256 | 0.253 | 1.2 | 97 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.405 | 0.393 | 3.0 | 98 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 64 | T | Tetrachloroethene | 0.351 | 0.368 | -4.8 | 105 | 0.00 |
| 65 | PM | Chlorobenzene | 1.079 | 1.105 | -2.4 | 99 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.385 | 0.400 | -3.9 | 100 | 0.00 |
| 67 | C | Ethyl Benzene | 1.924 | 2.075 | -7.8# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 0.733 | 0.789 | -7.6 | 101 | 0.00 |
| 69 | T | o-Xylene | 0.656 | 0.713 | -8.7 | 100 | 0.00 |
| 70 | T | Styrene | 1.134 | 1.228 | -8.3 | 99 | 0.00 |
| 71 | P | Bromoform | 0.195 | 0.210 | -7.7 | 103 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 73 | T | Isopropylbenzene | 3.711 | 4.163 | -12.2 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 0.842 | 0.871 | -3.4 | 96 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.689 | 0.711 | -3.2 | 101 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.421 | 0.410 | 2.6 | 90 | 0.00 |
| 77 | T | Bromobenzene | 0.849 | 0.914 | -7.7 | 100 | 0.00 |
| 78 | T | n-propylbenzene | 4.613 | 5.142 | -11.5 | 104 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.606 | 2.794 | -7.2 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.082 | 3.461 | -12.3 | 104 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.205 | 0.217 | -5.9 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.739 | 2.987 | -9.1 | 103 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.535 | 2.966 | -17.0 | 108 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.091 | 3.443 | -11.4 | 102 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.709 | 4.235 | -14.2 | 108 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.264 | 3.779 | -15.8 | 108 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.688 | 1.761 | -4.3 | 100 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.667 | 1.739 | -4.3 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 3.238 | 3.744 | -15.6 | 108 | 0.00 |
| 90 | T | Hexachloroethane | 0.667 | 0.746 | -11.8 | 108 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.421 | 1.517 | -6.8 | 100 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.108 | 0.104 | 3.7 | 103 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.844 | 0.949 | -12.4 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.494 | 0.573 | -16.0 | 117 | 0.00 |
| 95 | T | Naphthalene | 1.491 | 1.690 | -13.3 | 105 | 0.00 |
| 96 | T | 1,2,3-Trichlorobenzene | 0.729 | 0.822 | -12.8 | 110 | 0.00 |

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|---|---|---|---|---|

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