Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
Data File : VD070435.D
Acq On : 22 Sep 2021 19:12
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Sep 23 05:35:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 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 | 85 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.574 | 0.410 | 28.6# | 74 | 0.00 |
| 3 | P | Chloromethane | 0.771 | 0.605 | 21.5 | 81 | 0.00 |
| 4 | C | Vinyl Chloride | 0.787 | 0.652 | 17.2# | 82 | 0.00 |
| 5 | T | Bromomethane | 0.580 | 0.422 | 27.2# | 80 | 0.00 |
| 6 | T | Chloroethane | 0.541 | 0.440 | 18.7 | 85 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.041 | 0.857 | 17.7 | 76 | 0.00 |
| 8 | T | Diethyl Ether | 0.288 | 0.256 | 11.1 | 76 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.646 | 0.540 | 16.4 | 77 | 0.00 |
| 10 | T | Methyl Iodide | 0.564 | 0.539 | 4.4 | 73 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.073 | 0.054 | 26.0# | 92 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 0.582 | 0.485 | 16.7# | 74 | 0.00 |
| 13 | T | Acrolein | 0.032 | 0.019 | 40.6# | 54 | 0.00 |
| 14 | T | Allyl chloride | 0.855 | 0.731 | 14.5 | 78 | 0.00 |
| 15 | T | Acrylonitrile | 0.137 | 0.125 | 8.8 | 83 | 0.00 |
| 16 | T | Acetone | 0.115 | 0.085 | 26.1# | 70 | 0.00 |
| 17 | T | Carbon Disulfide | 2.148 | 1.700 | 20.9 | 73 | 0.00 |
| 18 | T | Methyl Acetate | 0.344 | 0.306 | 11.0 | 89 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.258 | 1.188 | 5.6 | 79 | 0.00 |
| 20 | T | Methylene Chloride | 0.913 | 0.778 | 14.8 | 92 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.693 | 0.635 | 8.4 | 81 | 0.00 |
| 22 | T | Diisopropyl ether | 1.831 | 1.730 | 5.5 | 83 | 0.00 |
| 23 | T | Vinyl Acetate | 0.848 | 0.768 | 9.4 | 79 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.295 | 1.146 | 11.5 | 82 | 0.00 |
| 25 | T | 2-Butanone | 0.153 | 0.132 | 13.7 | 81 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.047 | 0.862 | 17.7 | 77 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.744 | 0.697 | 6.3 | 82 | 0.00 |
| 28 | T | Bromochloromethane | 0.514 | 0.504 | 1.9 | 91 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.098 | 0.090 | 8.2 | 83 | 0.00 |
| 30 | C | Chloroform | 1.328 | 1.214 | 8.6# | 85 | 0.00 |
| 31 | T | Cyclohexane | 1.106 | 0.880 | 20.4 | 73 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.118 | 0.989 | 11.5 | 82 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.642 | 0.572 | 10.9 | 86 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.356 | 0.334 | 6.2 | 84 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.534 | 0.478 | 10.5 | 78 | 0.00 |
| 37 | T | Ethyl Acetate | 0.200 | 0.185 | 7.5 | 87 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.529 | 0.475 | 10.2 | 79 | 0.00 |
| 39 | T | Methylcyclohexane | 0.597 | 0.522 | 12.6 | 72 | 0.00 |
| 40 | TM | Benzene | 1.566 | 1.501 | 4.2 | 83 | 0.00 |
| 41 | T | Methacrylonitrile | 0.105 | 0.107 | -1.9 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.419 | 0.387 | 7.6 | 85 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.370 | 0.328 | 11.4 | 82 | 0.00 |
| 44 | TM | Trichloroethene | 0.374 | 0.353 | 5.6 | 81 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.411 | 0.387 | 5.8# | 85 | 0.00 |
| 46 | T | Dibromomethane | 0.212 | 0.200 | 5.7 | 85 | 0.00 |
| 47 | T | Bromodichloromethane | 0.540 | 0.509 | 5.7 | 85 | 0.00 |
| 48 | T | Methyl methacrylate | 0.171 | 0.162 | 5.3 | 83 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 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 | 0.002 | 0.002 | 0.0 | 82 | 0.00 |
| 50 | S | Toluene-d8 | 1.292 | 1.269 | 1.8 | 83 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.191 | 0.179 | 6.3 | 83 | 0.00 |
| 52 | CM | Toluene | 0.946 | 0.927 | 2.0# | 81 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.464 | 0.440 | 5.2 | 82 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.565 | 0.530 | 6.2 | 84 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.291 | 0.277 | 4.8 | 83 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.318 | 0.312 | 1.9 | 79 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.496 | 0.473 | 4.6 | 84 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.153 | 0.167 | -9.2 | 94 | 0.00 |
| 59 | T | 2-Hexanone | 0.128 | 0.120 | 6.3 | 82 | 0.00 |
| 60 | T | Dibromochloromethane | 0.339 | 0.325 | 4.1 | 82 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.268 | 0.260 | 3.0 | 85 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.452 | 0.440 | 2.7 | 84 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 64 | T | Tetrachloroethene | 0.304 | 0.292 | 3.9 | 83 | 0.00 |
| 65 | PM | Chlorobenzene | 1.036 | 0.985 | 4.9 | 83 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.379 | 0.360 | 5.0 | 84 | 0.00 |
| 67 | C | Ethyl Benzene | 1.786 | 1.754 | 1.8# | 82 | 0.00 |
| 68 | T | m/p-Xylenes | 0.690 | 0.685 | 0.7 | 81 | 0.00 |
| 69 | T | o-Xylene | 0.618 | 0.629 | -1.8 | 82 | 0.00 |
| 70 | T | Styrene | 1.080 | 1.130 | -4.6 | 83 | 0.00 |
| 71 | P | Bromoform | 0.187 | 0.178 | 4.8 | 83 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 3.506 | 3.398 | 3.1 | 81 | 0.00 |
| 74 | T | N-amyl acetate | 0.764 | 0.663 | 13.2 | 81 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.751 | 0.660 | 12.1 | 84 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.506 | 0.518 | -2.4 | 95 | 0.00 |
| 77 | T | Bromobenzene | 0.809 | 0.776 | 4.1 | 85 | 0.00 |
| 78 | T | n-propylbenzene | 4.551 | 4.411 | 3.1 | 82 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.653 | 2.559 | 3.5 | 84 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.026 | 2.979 | 1.6 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.202 | 0.184 | 8.9 | 83 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.799 | 2.699 | 3.6 | 83 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.427 | 2.449 | -0.9 | 84 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.980 | 3.005 | -0.8 | 83 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.858 | 3.747 | 2.9 | 82 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.100 | 3.036 | 2.1 | 80 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.684 | 1.610 | 4.4 | 84 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.691 | 1.546 | 8.6 | 83 | 0.00 |
| 89 | T | n-Butylbenzene | 3.091 | 2.905 | 6.0 | 80 | 0.00 |
| 90 | T | Hexachloroethane | 0.710 | 0.619 | 12.8 | 83 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.486 | 1.377 | 7.3 | 83 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.112 | 0.097 | 13.4 | 84 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.802 | 0.745 | 7.1 | 82 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.492 | 0.442 | 10.2 | 86 | 0.00 |
| 95 | T | Naphthalene | 1.458 | 1.387 | 4.9 | 89 | 0.00 |

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Quant Title : SW846 8260
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.708 | 0.651 | 8.1 | 91 | 0.00 |

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