Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
Data File : VD070652.D
Acq On : 11 Oct 2021 11:26
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: Oct 12 05:37:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 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 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.610 | 0.577 | 5.4 | 94 | 0.00 |
| 3 | P | Chloromethane | 0.757 | 0.666 | 12.0 | 90 | 0.00 |
| 4 | C | Vinyl Chloride | 0.839 | 0.806 | 3.9# | 94 | 0.00 |
| 5 | T | Bromomethane | 0.572 | 0.507 | 11.4 | 96 | 0.00 |
| 6 | T | Chloroethane | 0.536 | 0.458 | 14.6 | 84 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.087 | 1.045 | 3.9 | 95 | 0.00 |
| 8 | T | Diethyl Ether | 0.283 | 0.271 | 4.2 | 87 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.659 | 0.630 | 4.4 | 96 | 0.00 |
| 10 | T | Methyl Iodide | 0.612 | 0.631 | -3.1 | 85 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.029 | 0.025 | 13.8 | 81 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.587 | 0.591 | -0.7# | 97 | 0.00 |
| 13 | T | Acrolein | 0.028 | 0.027 | 3.6 | 89 | 0.00 |
| 14 | T | Allyl chloride | 0.817 | 0.791 | 3.2 | 90 | 0.00 |
| 15 | T | Acrylonitrile | 0.123 | 0.113 | 8.1 | 83 | 0.00 |
| 16 | T | Acetone | 0.100 | 0.116 | -16.0 | 101 | 0.00 |
| 17 | T | Carbon Disulfide | 2.142 | 1.955 | 8.7 | 89 | 0.00 |
| 18 | T | Methyl Acetate | 0.386 | 0.344 | 10.9 | 83 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.169 | 1.181 | -1.0 | 87 | 0.00 |
| 20 | T | Methylene Chloride | 0.932 | 0.699 | 25.0# | 87 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.690 | 0.674 | 2.3 | 92 | 0.00 |
| 22 | T | Diisopropyl ether | 1.678 | 1.646 | 1.9 | 85 | 0.00 |
| 23 | T | Vinyl Acetate | 0.763 | 0.752 | 1.4 | 83 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.236 | 1.131 | 8.5 | 88 | 0.00 |
| 25 | T | 2-Butanone | 0.131 | 0.126 | 3.8 | 85 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.023 | 1.036 | -1.3 | 99 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.725 | 0.695 | 4.1 | 89 | 0.00 |
| 28 | T | Bromochloromethane | 0.430 | 0.365 | 15.1 | 81 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.084 | 0.080 | 4.8 | 82 | 0.00 |
| 30 | C | Chloroform | 1.286 | 1.184 | 7.9# | 90 | 0.00 |
| 31 | T | Cyclohexane | 1.090 | 1.058 | 2.9 | 93 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.107 | 1.080 | 2.4 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.588 | 0.482 | 18.0 | 84 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.332 | 0.314 | 5.4 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.531 | 0.559 | -5.3 | 92 | 0.00 |
| 37 | T | Ethyl Acetate | 0.176 | 0.165 | 6.2 | 79 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.556 | 0.585 | -5.2 | 97 | 0.00 |
| 39 | T | Methylcyclohexane | 0.611 | 0.689 | -12.8 | 95 | 0.00 |
| 40 | TM | Benzene | 1.565 | 1.569 | -0.3 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 0.091 | 0.090 | 1.1 | 86 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.405 | 0.383 | 5.4 | 84 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.323 | 0.311 | 3.7 | 81 | 0.00 |
| 44 | TM | Trichloroethene | 0.386 | 0.393 | -1.8 | 93 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.399 | 0.375 | 6.0# | 83 | 0.00 |
| 46 | T | Dibromomethane | 0.205 | 0.196 | 4.4 | 85 | 0.00 |
| 47 | T | Bromodichloromethane | 0.529 | 0.501 | 5.3 | 85 | 0.00 |
| 48 | T | Methyl methacrylate | 0.152 | 0.153 | -0.7 | 81 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
Data File : VD070652.D
Acq On : 11 Oct 2021 11:26
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: Oct 12 05:37:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 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 | 85 | 0.00 |
| 50 | S | Toluene-d8 | 1.271 | 1.239 | 2.5 | 90 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.167 | 0.169 | -1.2 | 82 | 0.00 |
| 52 | CM | Toluene | 0.962 | 0.998 | -3.7# | 89 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.463 | 0.463 | 0.0 | 87 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.557 | 0.558 | -0.2 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.279 | 0.271 | 2.9 | 87 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.298 | 0.322 | -8.1 | 85 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.475 | 0.464 | 2.3 | 83 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.135 | 0.139 | -3.0 | 86 | 0.00 |
| 59 | T | 2-Hexanone | 0.113 | 0.122 | -8.0 | 85 | 0.00 |
| 60 | T | Dibromochloromethane | 0.336 | 0.326 | 3.0 | 86 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.260 | 0.252 | 3.1 | 86 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.425 | 0.404 | 4.9 | 89 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 64 | T | Tetrachloroethene | 0.321 | 0.337 | -5.0 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 1.066 | 1.097 | -2.9 | 90 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.397 | 0.402 | -1.3 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 1.840 | 2.076 | -12.8# | 93 | 0.00 |
| 68 | T | m/p-Xylenes | 0.725 | 0.812 | -12.0 | 93 | 0.00 |
| 69 | T | o-Xylene | 0.644 | 0.732 | -13.7 | 92 | 0.00 |
| 70 | T | Styrene | 1.135 | 1.263 | -11.3 | 89 | 0.00 |
| 71 | P | Bromoform | 0.186 | 0.186 | 0.0 | 86 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 73 | T | Isopropylbenzene | 3.645 | 4.233 | -16.1 | 94 | 0.00 |
| 74 | T | N-amyl acetate | 0.687 | 0.712 | -3.6 | 82 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.713 | 0.691 | 3.1 | 84 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.453 | 0.525 | -15.9 | 100 | 0.00 |
| 77 | T | Bromobenzene | 0.815 | 0.857 | -5.2 | 89 | 0.00 |
| 78 | T | n-propylbenzene | 4.613 | 5.351 | -16.0 | 94 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.706 | 3.003 | -11.0 | 92 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.109 | 3.602 | -15.9 | 93 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.204 | 0.204 | 0.0 | 81 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.829 | 3.110 | -9.9 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.569 | 3.050 | -18.7 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.093 | 3.580 | -15.7 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.983 | 4.705 | -18.1 | 95 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.253 | 3.868 | -18.9 | 95 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.711 | 1.830 | -7.0 | 91 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.697 | 1.772 | -4.4 | 91 | 0.00 |
| 89 | T | n-Butylbenzene | 3.106 | 3.698 | -19.1 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 0.703 | 0.731 | -4.0 | 92 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.459 | 1.534 | -5.1 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.103 | 0.103 | 0.0 | 87 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.786 | 0.886 | -12.7 | 93 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.496 | 0.580 | -16.9 | 100 | 0.00 |
| 95 | T | Naphthalene | 1.418 | 1.596 | -12.6 | 88 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
Data File : VD070652.D
Acq On : 11 Oct 2021 11:26
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: Oct 12 05:37:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.692 | 0.750 | -8.4 | 88 | 0.00 |

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