Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
Data File : VD070814.D
Acq On : 22 Oct 2021 09:59
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 23 04:08:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 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 | 90 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.585 | 0.539 | 7.9 | 84 | 0.00 |
| 3 | P | Chloromethane | 0.867 | 0.769 | 11.3 | 83 | 0.00 |
| 4 | C | Vinyl Chloride | 0.889 | 0.806 | 9.3# | 83 | 0.00 |
| 5 | T | Bromomethane | 0.542 | 0.479 | 11.6 | 87 | 0.00 |
| 6 | T | Chloroethane | 0.560 | 0.516 | 7.9 | 85 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.005 | 0.938 | 6.7 | 86 | 0.00 |
| 8 | T | Diethyl Ether | 0.268 | 0.238 | 11.2 | 80 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.601 | 0.573 | 4.7 | 89 | 0.00 |
| 10 | T | Methyl Iodide | 0.550 | 0.515 | 6.4 | 75 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.033 | 0.027 | 18.2 | 78 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.544 | 0.499 | 8.3# | 85 | 0.00 |
| 13 | T | Acrolein | 0.032 | 0.034 | -6.3 | 107 | 0.00 |
| 14 | T | Allyl chloride | 1.029 | 0.937 | 8.9 | 80 | 0.00 |
| 15 | T | Acrylonitrile | 0.141 | 0.130 | 7.8 | 81 | 0.00 |
| 16 | T | Acetone | 0.143 | 0.154 | -7.7 | 89 | 0.00 |
| 17 | T | Carbon Disulfide | 1.980 | 1.893 | 4.4 | 84 | 0.00 |
| 18 | T | Methyl Acetate | 0.497 | 0.438 | 11.9 | 80 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.175 | 1.122 | 4.5 | 81 | -0.01 |
| 20 | T | Methylene Chloride | 0.922 | 0.688 | 25.4# | 86 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.623 | 0.597 | 4.2 | 84 | 0.00 |
| 22 | T | Diisopropyl ether | 2.003 | 2.028 | -1.2 | 85 | 0.00 |
| 23 | T | Vinyl Acetate | 0.946 | 0.938 | 0.8 | 81 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.248 | 1.170 | 6.3 | 85 | 0.00 |
| 25 | T | 2-Butanone | 0.176 | 0.169 | 4.0 | 82 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.987 | 0.981 | 0.6 | 91 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.669 | 0.615 | 8.1 | 82 | 0.00 |
| 28 | T | Bromochloromethane | 0.496 | 0.476 | 4.0 | 90 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.108 | 0.105 | 2.8 | 83 | 0.00 |
| 30 | C | Chloroform | 1.219 | 1.163 | 4.6# | 88 | 0.00 |
| 31 | T | Cyclohexane | 1.198 | 1.117 | 6.8 | 85 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.034 | 0.999 | 3.4 | 90 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.592 | 0.589 | 0.5 | 95 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.320 | 0.330 | -3.1 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.557 | 0.557 | 0.0 | 87 | 0.00 |
| 37 | T | Ethyl Acetate | 0.231 | 0.230 | 0.4 | 82 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.533 | 0.544 | -2.1 | 89 | 0.00 |
| 39 | T | Methylcyclohexane | 0.628 | 0.636 | -1.3 | 83 | 0.00 |
| 40 | TM | Benzene | 1.604 | 1.589 | 0.9 | 86 | 0.00 |
| 41 | T | Methacrylonitrile | 0.132 | 0.116 | 12.1 | 66 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.455 | 0.449 | 1.3 | 86 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.440 | 0.417 | 5.2 | 80 | 0.00 |
| 44 | TM | Trichloroethene | 0.377 | 0.368 | 2.4 | 87 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.424 | 0.434 | -2.4# | 89 | 0.00 |
| 46 | T | Dibromomethane | 0.203 | 0.200 | 1.5 | 86 | 0.00 |
| 47 | T | Bromodichloromethane | 0.538 | 0.531 | 1.3 | 88 | 0.00 |
| 48 | T | Methyl methacrylate | 0.216 | 0.215 | 0.5 | 83 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 23 04:08:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 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 | 86 | 0.00 |
| 50 | S | Toluene-d8 | 1.227 | 1.312 | -6.9 | 96 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.232 | 0.235 | -1.3 | 83 | 0.00 |
| 52 | CM | Toluene | 0.955 | 0.983 | -2.9# | 86 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.481 | 0.468 | 2.7 | 83 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.576 | 0.552 | 4.2 | 84 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.279 | 0.273 | 2.2 | 86 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.333 | 0.331 | 0.6 | 82 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.495 | 0.488 | 1.4 | 85 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.147 | 0.154 | -4.8 | 90 | 0.00 |
| 59 | T | 2-Hexanone | 0.163 | 0.175 | -7.4 | 86 | 0.00 |
| 60 | T | Dibromochloromethane | 0.320 | 0.315 | 1.6 | 87 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.255 | 0.243 | 4.7 | 83 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.423 | 0.458 | -8.3 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 64 | T | Tetrachloroethene | 0.336 | 0.320 | 4.8 | 87 | 0.00 |
| 65 | PM | Chlorobenzene | 1.025 | 0.987 | 3.7 | 86 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.379 | 0.368 | 2.9 | 88 | 0.00 |
| 67 | C | Ethyl Benzene | 1.875 | 1.911 | -1.9# | 86 | 0.00 |
| 68 | T | m/p-Xylenes | 0.710 | 0.741 | -4.4 | 88 | 0.00 |
| 69 | T | o-Xylene | 0.644 | 0.643 | 0.2 | 85 | 0.00 |
| 70 | T | Styrene | 1.120 | 1.177 | -5.1 | 87 | 0.00 |
| 71 | P | Bromoform | 0.197 | 0.188 | 4.6 | 85 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 73 | T | Isopropylbenzene | 3.563 | 3.561 | 0.1 | 86 | 0.00 |
| 74 | T | N-amyl acetate | 0.927 | 0.886 | 4.4 | 84 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.705 | 0.656 | 7.0 | 84 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.432 | 0.502 | -16.2 | 129 | 0.00 |
| 77 | T | Bromobenzene | 0.807 | 0.785 | 2.7 | 86 | 0.00 |
| 78 | T | n-propylbenzene | 4.631 | 4.735 | -2.2 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.676 | 2.639 | 1.4 | 87 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.012 | 3.174 | -5.4 | 89 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.197 | 0.187 | 5.1 | 82 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.831 | 2.876 | -1.6 | 90 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.489 | 2.515 | -1.0 | 88 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.994 | 3.076 | -2.7 | 87 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.911 | 3.998 | -2.2 | 88 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.145 | 3.234 | -2.8 | 87 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.694 | 1.623 | 4.2 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.672 | 1.575 | 5.8 | 87 | 0.00 |
| 89 | T | n-Butylbenzene | 3.174 | 3.249 | -2.4 | 87 | 0.00 |
| 90 | T | Hexachloroethane | 0.679 | 0.639 | 5.9 | 88 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.448 | 1.371 | 5.3 | 85 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.112 | 0.104 | 7.1 | 91 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.828 | 0.796 | 3.9 | 85 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.543 | 0.520 | 4.2 | 87 | 0.00 |
| 95 | T | Naphthalene | 1.406 | 1.337 | 4.9 | 82 | 0.00 |

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.736 | 0.693 | 5.8 | 82 | 0.00 |

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