Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
Data File : VD072204.D
Acq On : 15 Mar 2022 22:55
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Mar 16 01:04:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
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 | 113 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.462 | 0.411 | 11.0 | 93 | 0.00 |
| 3 | P | Chloromethane | 0.411 | 0.457 | -11.2 | 115 | 0.00 |
| 4 | C | Vinyl Chloride | 0.397 | 0.418 | -5.3# | 102 | 0.00 |
| 5 | T | Bromomethane | 0.258 | 0.286 | -10.9 | 118 | 0.00 |
| 6 | T | Chloroethane | 0.262 | 0.291 | -11.1 | 111 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.896 | 0.831 | 7.3 | 96 | 0.00 |
| 8 | T | Diethyl Ether | 0.247 | 0.279 | -13.0 | 124 | -0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.571 | 0.535 | 6.3 | 98 | 0.00 |
| 10 | T | Methyl Iodide | 0.457 | 0.464 | -1.5 | 97 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.032 | 0.037 | -15.6 | 145 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.460 | 0.467 | -1.5# | 102 | 0.00 |
| 13 | T | Acrolein | 0.029 | 0.028 | 3.4 | 127 | 0.00 |
| 14 | T | Allyl chloride | 0.803 | 0.884 | -10.1 | 113 | 0.00 |
| 15 | T | Acrylonitrile | 0.125 | 0.150 | -20.0 | 138 | 0.00 |
| 16 | T | Acetone | 0.121 | 0.111 | 8.3 | 103 | 0.00 |
| 17 | T | Carbon Disulfide | 0.937 | 1.090 | -16.3 | 100 | 0.00 |
| 18 | T | Methyl Acetate | 0.296 | 0.337 | -13.9 | 144 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.249 | 1.427 | -14.3 | 126 | 0.00 |
| 20 | T | Methylene Chloride | 0.727 | 0.659 | 9.4 | 115 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.508 | 0.558 | -9.8 | 109 | 0.00 |
| 22 | T | Diisopropyl ether | 1.833 | 2.082 | -13.6 | 123 | 0.00 |
| 23 | T | Vinyl Acetate | 0.935 | 1.139 | -21.8 | 127 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.081 | 1.143 | -5.7 | 113 | 0.00 |
| 25 | T | 2-Butanone | 0.161 | 0.180 | -11.8 | 128 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.975 | 0.893 | 8.4 | 98 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.649 | 0.696 | -7.2 | 113 | 0.00 |
| 28 | T | Bromochloromethane | 0.435 | 0.499 | -14.7 | 124 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.095 | 0.120 | -26.3# | 142 | 0.00 |
| 30 | C | Chloroform | 1.151 | 1.185 | -3.0# | 112 | 0.00 |
| 31 | T | Cyclohexane | 0.871 | 0.863 | 0.9 | 99 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.023 | 0.996 | 2.6 | 104 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.557 | 0.609 | -9.3 | 132 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.352 | 0.365 | -3.7 | 132 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.494 | 0.483 | 2.2 | 102 | 0.00 |
| 37 | T | Ethyl Acetate | 0.216 | 0.259 | -19.9 | 139 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.561 | 0.506 | 9.8 | 99 | 0.00 |
| 39 | T | Methylcyclohexane | 0.555 | 0.568 | -2.3 | 102 | 0.00 |
| 40 | TM | Benzene | 1.408 | 1.455 | -3.3 | 112 | 0.00 |
| 41 | T | Methacrylonitrile | 0.126 | 0.158 | -25.4# | 142 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.427 | 0.445 | -4.2 | 118 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.420 | 0.495 | -17.9 | 139 | 0.00 |
| 44 | TM | Trichloroethene | 0.395 | 0.394 | 0.3 | 108 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.386 | 0.394 | -2.1# | 117 | 0.00 |
| 46 | T | Dibromomethane | 0.190 | 0.205 | -7.9 | 123 | 0.00 |
| 47 | T | Bromodichloromethane | 0.554 | 0.552 | 0.4 | 115 | 0.00 |

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Data File : VD072204.D
Acq On : 15 Mar 2022 22:55
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Mar 16 01:04:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
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) |
|---|---|---|---|---|---|---|---|
| 48 | T | Methyl methacrylate | 0.200 | 0.231 | -15.5 | 126 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.002 | 0.003 | -50.0# | 135 | 0.00 |
| 50 | S | Toluene-d8 | 1.287 | 1.323 | -2.8 | 125 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.220 | 0.261 | -18.6 | 139 | 0.00 |
| 52 | CM | Toluene | 0.927 | 0.953 | -2.8# | 110 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.506 | 0.521 | -3.0 | 118 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.585 | 0.612 | -4.6 | 118 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.289 | 0.305 | -5.5 | 124 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.339 | 0.402 | -18.6 | 134 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.486 | 0.518 | -6.6 | 124 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.152 | 0.160 | -5.3 | 126 | 0.00 |
| 59 | T | 2-Hexanone | 0.152 | 0.178 | -17.1 | 136 | 0.00 |
| 60 | T | Dibromochloromethane | 0.376 | 0.375 | 0.3 | 118 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.262 | 0.277 | -5.7 | 122 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.500 | 0.500 | 0.0 | 126 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 64 | T | Tetrachloroethene | 0.352 | 0.336 | 4.5 | 102 | 0.00 |
| 65 | PM | Chlorobenzene | 1.108 | 1.116 | -0.7 | 111 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.438 | 0.424 | 3.2 | 109 | 0.00 |
| 67 | C | Ethyl Benzene | 1.980 | 1.979 | 0.1# | 107 | 0.00 |
| 68 | T | m/p-Xylenes | 0.752 | 0.761 | -1.2 | 108 | 0.00 |
| 69 | T | o-Xylene | 0.719 | 0.736 | -2.4 | 109 | 0.00 |
| 70 | T | Styrene | 1.256 | 1.284 | -2.2 | 113 | 0.00 |
| 71 | P | Bromoform | 0.234 | 0.245 | -4.7 | 123 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 73 | T | Isopropylbenzene | 3.962 | 3.936 | 0.7 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 0.851 | 1.009 | -18.6 | 135 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.709 | 0.768 | -8.3 | 130 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.552 | 0.575 | -4.2 | 122 | 0.00 |
| 77 | T | Bromobenzene | 0.892 | 0.921 | -3.3 | 116 | 0.00 |
| 78 | T | n-propylbenzene | 4.813 | 4.731 | 1.7 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.783 | 2.787 | -0.1 | 110 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.404 | 3.316 | 2.6 | 106 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.222 | 0.243 | -9.5 | 128 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.882 | 2.858 | 0.8 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.984 | 2.934 | 1.7 | 107 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.354 | 3.277 | 2.3 | 107 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.482 | 4.253 | 5.1 | 102 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.688 | 3.578 | 3.0 | 104 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.869 | 1.795 | 4.0 | 109 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.853 | 1.790 | 3.4 | 110 | 0.00 |
| 89 | T | n-Butylbenzene | 3.515 | 3.327 | 5.3 | 100 | 0.00 |
| 90 | T | Hexachloroethane | 0.723 | 0.684 | 5.4 | 107 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.630 | 1.604 | 1.6 | 113 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.113 | 0.123 | -8.8 | 127 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.079 | 1.034 | 4.2 | 109 | 0.00 |

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Data File : VD072204.D
Acq On : 15 Mar 2022 22:55
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Mar 16 01:04:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
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) |
|---|---|---|---|---|---|---|
| 94 T | Hexachlorobutadiene | 0.628 | 0.555 | 11.6 | 99 | 0.00 |
| 95 T | Naphthalene | 1.860 | 2.013 | -8.2 | 125 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 0.934 | 0.911 | 2.5 | 113 | 0.00 |

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