Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030824\
Data File : VD078622.D
Acq On : 08 Mar 2024 18:51
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Mar 09 02:34:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 03:50:17 2024
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 | 71 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.449 | 0.328 | 26.9# | 60 | 0.00 |
| 3 | P | Chloromethane | 0.808 | 0.798 | 1.2 | 77 | 0.00 |
| 4 | C | Vinyl Chloride | 1.229 | 1.196 | 2.7# | 74 | 0.00 |
| 5 | T | Bromomethane | 0.982 | 0.870 | 11.4 | 72 | -0.01 |
| 6 | T | Chloroethane | 0.911 | 0.969 | -6.4 | 82 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.831 | 0.713 | 14.2 | 67 | -0.01 |
| 8 | T | Diethyl Ether | 0.233 | 0.232 | 0.4 | 77 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.524 | 0.422 | 19.5 | 63 | 0.00 |
| 10 | T | Methyl Iodide | 0.548 | 0.485 | 11.5 | 62 | -0.01 |
| 11 | T | Tert butyl alcohol | 0.026 | 0.028 | -7.7 | 94 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.489 | 0.443 | 9.4# | 67 | 0.00 |
| 13 | T | Acrolein | 0.049 | 0.057 | -16.3 | 81 | 0.00 |
| 14 | T | Allyl chloride | 0.557 | 0.529 | 5.0 | 71 | 0.00 |
| 15 | T | Acrylonitrile | 0.096 | 0.113 | -17.7 | 90 | 0.00 |
| 16 | T | Acetone | 0.095 | 0.076 | 20.0 | 63 | 0.00 |
| 17 | T | Carbon Disulfide | 1.629 | 1.430 | 12.2 | 67 | 0.00 |
| 18 | T | Methyl Acetate | 0.180 | 0.272 | -51.1# | 101 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 0.994 | 1.093 | -10.0 | 82 | 0.00 |
| 20 | T | Methylene Chloride | 0.952 | 0.654 | 31.3# | 70 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.588 | 0.549 | 6.6 | 70 | -0.01 |
| 22 | T | Diisopropyl ether | 1.249 | 1.325 | -6.1 | 77 | -0.01 |
| 23 | T | Vinyl Acetate | 0.742 | 0.798 | -7.5 | 79 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.943 | 0.933 | 1.1 | 73 | 0.00 |
| 25 | T | 2-Butanone | 0.120 | 0.126 | -5.0 | 82 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.797 | 0.663 | 16.8 | 63 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.643 | 0.634 | 1.4 | 74 | 0.00 |
| 28 | T | Bromochloromethane | 0.352 | 0.415 | -17.9 | 81 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.067 | 0.083 | -23.9 | 93 | 0.00 |
| 30 | C | Chloroform | 1.019 | 1.027 | -0.8# | 76 | 0.00 |
| 31 | T | Cyclohexane | 0.776 | 0.605 | 22.0 | 60 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.874 | 0.826 | 5.5 | 71 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.496 | 0.631 | -27.2# | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.325 | 0.401 | -23.4 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.450 | 0.413 | 8.2 | 70 | 0.00 |
| 37 | T | Ethyl Acetate | 0.146 | 0.169 | -15.8 | 89 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.471 | 0.419 | 11.0 | 70 | 0.00 |
| 39 | T | Methylcyclohexane | 0.528 | 0.436 | 17.4 | 60 | 0.00 |
| 40 | TM | Benzene | 1.334 | 1.279 | 4.1 | 74 | 0.00 |
| 41 | T | Methacrylonitrile | 0.078 | 0.075 | 3.8 | 71 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.338 | 0.353 | -4.4 | 83 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.280 | 0.300 | -7.1 | 88 | 0.00 |
| 44 | TM | Trichloroethene | 0.366 | 0.338 | 7.7 | 74 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.320 | 0.316 | 1.3# | 76 | 0.00 |
| 46 | T | Dibromomethane | 0.185 | 0.197 | -6.5 | 83 | 0.00 |
| 47 | T | Bromodichloromethane | 0.456 | 0.468 | -2.6 | 81 | 0.00 |
| 48 | T | Methyl methacrylate | 0.127 | 0.143 | -12.6 | 90 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Mar 09 02:34:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 03:50:17 2024
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 | 102 | 0.00 |
| 50 | S | Toluene-d8 | 1.264 | 1.506 | -19.1 | 93 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.144 | 0.170 | -18.1 | 93 | 0.00 |
| 52 | CM | Toluene | 0.856 | 0.838 | 2.1# | 72 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.421 | 0.427 | -1.4 | 80 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.505 | 0.505 | 0.0 | 78 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.260 | 0.275 | -5.8 | 86 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.261 | 0.300 | -14.9 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.422 | 0.440 | -4.3 | 82 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.118 | 0.179 | -51.7# | 126 | 0.00 |
| 59 | T | 2-Hexanone | 0.107 | 0.120 | -12.1 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 0.314 | 0.324 | -3.2 | 80 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.239 | 0.260 | -8.8 | 85 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.361 | 0.446 | -23.5 | 95 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 64 | T | Tetrachloroethene | 0.315 | 0.288 | 8.6 | 73 | 0.00 |
| 65 | PM | Chlorobenzene | 0.985 | 0.926 | 6.0 | 76 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.367 | 0.345 | 6.0 | 80 | 0.00 |
| 67 | C | Ethyl Benzene | 1.706 | 1.572 | 7.9# | 73 | 0.00 |
| 68 | T | m/p-Xylenes | 0.690 | 0.635 | 8.0 | 71 | 0.00 |
| 69 | T | o-Xylene | 0.626 | 0.591 | 5.6 | 74 | 0.00 |
| 70 | T | Styrene | 1.085 | 1.056 | 2.7 | 75 | 0.00 |
| 71 | P | Bromoform | 0.195 | 0.204 | -4.6 | 90 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 73 | T | Isopropylbenzene | 3.170 | 2.665 | 15.9 | 68 | 0.00 |
| 74 | T | N-amyl acetate | 0.533 | 0.535 | -0.4 | 87 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.607 | 0.604 | 0.5 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.382 | 0.356 | 6.8 | 84 | 0.00 |
| 77 | T | Bromobenzene | 0.767 | 0.699 | 8.9 | 77 | 0.00 |
| 78 | T | n-propylbenzene | 3.877 | 3.323 | 14.3 | 70 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.080 | 1.861 | 10.5 | 73 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.579 | 2.338 | 9.3 | 72 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.178 | 0.174 | 2.2 | 89 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.217 | 1.979 | 10.7 | 74 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.221 | 1.874 | 15.6 | 65 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.636 | 2.388 | 9.4 | 72 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.464 | 2.933 | 15.3 | 66 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.916 | 2.528 | 13.3 | 67 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.638 | 1.460 | 10.9 | 74 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.641 | 1.458 | 11.2 | 77 | 0.00 |
| 89 | T | n-Butylbenzene | 2.726 | 2.267 | 16.8 | 66 | 0.00 |
| 90 | T | Hexachloroethane | 0.593 | 0.508 | 14.3 | 70 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.391 | 1.285 | 7.6 | 77 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.081 | 0.086 | -6.2 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.824 | 0.734 | 10.9 | 74 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.453 | 0.371 | 18.1 | 67 | 0.00 |
| 95 | T | Naphthalene | 1.456 | 1.453 | 0.2 | 84 | 0.00 |

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Quant Title : SW846 8260
QLast Update : Sat Mar 02 03:50:17 2024
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.732 | 0.685 | 6.4 | 79 | 0.00 |

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