Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
Data File : VY023252.D
Acq On : 02 Sep 2025 08:58
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 03 03:26:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
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 | 88 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.408 | 0.351 | 14.0 | 89 | 0.00 |
| 3 | P | Chloromethane | 0.661 | 0.552 | 16.5 | 80 | 0.00 |
| 4 | C | Vinyl Chloride | 0.817 | 0.713 | 12.7# | 82 | 0.01 |
| 5 | T | Bromomethane | 0.610 | 0.553 | 9.3 | 90 | 0.00 |
| 6 | T | Chloroethane | 0.543 | 0.504 | 7.2 | 86 | 0.01 |
| 7 | T | Trichlorofluoromethane | 0.994 | 0.939 | 5.5 | 88 | 0.01 |
| 8 | T | Diethyl Ether | 0.263 | 0.246 | 6.5 | 86 | 0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.490 | 0.511 | -4.3 | 98 | 0.02 |
| 10 | T | Methyl Iodide | 0.529 | 0.597 | -12.9 | 96 | 0.01 |
| 11 | T | Tert butyl alcohol | 0.033 | 0.035 | -6.1 | 97 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.482 | 0.484 | -0.4# | 92 | 0.01 |
| 13 | T | Acrolein | 0.048 | 0.008 | 83.3# | 15# | 0.00 |
| 14 | T | Allyl chloride | 0.709 | 0.645 | 9.0 | 83 | 0.01 |
| 15 | T | Acrylonitrile | 0.107 | 0.101 | 5.6 | 84 | 0.01 |
| 16 | T | Acetone | 0.103 | 0.117 | -13.6 | 100 | 0.01 |
| 17 | T | Carbon Disulfide | 1.571 | 1.429 | 9.0 | 85 | 0.01 |
| 18 | T | Methyl Acetate | 0.307 | 0.293 | 4.6 | 80 | 0.01 |
| 19 | T | Methyl tert-butyl Ether | 1.249 | 1.195 | 4.3 | 85 | 0.00 |
| 20 | T | Methylene Chloride | 0.620 | 0.564 | 9.0 | 98 | 0.01 |
| 21 | T | trans-1,2-Dichloroethene | 0.541 | 0.558 | -3.1 | 94 | 0.01 |
| 22 | T | Diisopropyl ether | 1.541 | 1.466 | 4.9 | 86 | 0.00 |
| 23 | T | Vinyl Acetate | 0.852 | 0.771 | 9.5 | 81 | 0.01 |
| 24 | P | 1,1-Dichloroethane | 0.942 | 0.935 | 0.7 | 90 | 0.00 |
| 25 | T | 2-Butanone | 0.140 | 0.136 | 2.9 | 85 | 0.01 |
| 26 | T | 2,2-Dichloropropane | 0.813 | 0.848 | -4.3 | 95 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.626 | 0.648 | -3.5 | 94 | 0.01 |
| 28 | T | Bromochloromethane | 0.374 | 0.353 | 5.6 | 86 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.087 | 0.076 | 12.6 | 77 | 0.01 |
| 30 | C | Chloroform | 0.971 | 1.010 | -4.0# | 95 | 0.00 |
| 31 | T | Cyclohexane | 0.888 | 0.774 | 12.8 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.862 | 0.897 | -4.1 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.477 | 0.446 | 6.5 | 85 | 0.01 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.299 | 0.328 | -9.7 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.445 | 0.482 | -8.3 | 90 | 0.01 |
| 37 | T | Ethyl Acetate | 0.187 | 0.178 | 4.8 | 77 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.483 | 0.552 | -14.3 | 96 | 0.00 |
| 39 | T | Methylcyclohexane | 0.586 | 0.615 | -4.9 | 88 | 0.00 |
| 40 | TM | Benzene | 1.370 | 1.519 | -10.9 | 92 | 0.01 |
| 41 | T | Methacrylonitrile | 0.108 | 0.104 | 3.7 | 77 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.356 | 0.375 | -5.3 | 88 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.378 | 0.354 | 6.3 | 77 | 0.00 |
| 44 | TM | Trichloroethene | 0.354 | 0.419 | -18.4 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.315 | 0.342 | -8.6# | 90 | 0.00 |
| 46 | T | Dibromomethane | 0.181 | 0.203 | -12.2 | 93 | 0.00 |
| 47 | T | Bromodichloromethane | 0.466 | 0.521 | -11.8 | 92 | 0.00 |
| 48 | T | Methyl methacrylate | 0.181 | 0.168 | 7.2 | 73 | 0.01 |

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**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

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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 | 1.169 | 1.273 | -8.9 | 90 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.195 | 0.192 | 1.5 | 78 | 0.00 |
| 52 | CM | Toluene | 0.870 | 0.991 | -13.9# | 94 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.422 | 0.452 | -7.1 | 88 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.499 | 0.542 | -8.6 | 89 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.242 | 0.273 | -12.8 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.310 | 0.315 | -1.6 | 80 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.411 | 0.441 | -7.3 | 89 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.146 | 0.143 | 2.1 | 75 | 0.00 |
| 59 | T | 2-Hexanone | 0.133 | 0.138 | -3.8 | 82 | 0.00 |
| 60 | T | Dibromochloromethane | 0.320 | 0.372 | -16.2 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.228 | 0.253 | -11.0 | 91 | 0.01 |
| 62 | S | 4-Bromofluorobenzene | 0.376 | 0.409 | -8.8 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 83 | 0.01 |
| 64 | T | Tetrachloroethene | 0.446 | 0.585 | -31.2# | 111 | 0.00 |
| 65 | PM | Chlorobenzene | 1.079 | 1.213 | -12.4 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.366 | 0.427 | -16.7 | 98 | 0.00 |
| 67 | C | Ethyl Benzene | 1.856 | 2.064 | -11.2# | 92 | 0.01 |
| 68 | T | m/p-Xylenes | 0.725 | 0.824 | -13.7 | 95 | 0.00 |
| 69 | T | o-Xylene | 0.679 | 0.764 | -12.5 | 92 | 0.00 |
| 70 | T | Styrene | 1.110 | 1.281 | -15.4 | 94 | 0.00 |
| 71 | P | Bromoform | 0.214 | 0.247 | -15.4 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 73 | T | Isopropylbenzene | 3.529 | 3.854 | -9.2 | 93 | 0.00 |
| 74 | T | N-amyl acetate | 0.748 | 0.674 | 9.9 | 74 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.603 | 0.572 | 5.1 | 83 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.483 | 0.472 | 2.3 | 75 | 0.00 |
| 77 | T | Bromobenzene | 0.842 | 0.946 | -12.4 | 97 | 0.01 |
| 78 | T | n-propylbenzene | 4.201 | 4.569 | -8.8 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.407 | 2.592 | -7.7 | 92 | 0.01 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.852 | 3.160 | -10.8 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.199 | 0.194 | 2.5 | 83 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.497 | 2.731 | -9.4 | 94 | 0.01 |
| 83 | T | tert-Butylbenzene | 2.576 | 2.836 | -10.1 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.839 | 3.141 | -10.6 | 94 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.784 | 4.178 | -10.4 | 94 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.141 | 3.538 | -12.6 | 95 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.660 | 1.894 | -14.1 | 100 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.647 | 1.841 | -11.8 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 2.885 | 3.142 | -8.9 | 91 | 0.01 |
| 90 | T | Hexachloroethane | 0.643 | 0.730 | -13.5 | 98 | 0.01 |
| 91 | T | 1,2-Dichlorobenzene | 1.456 | 1.643 | -12.8 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.094 | 0.088 | 6.4 | 78 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.861 | 0.967 | -12.3 | 97 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.506 | 0.599 | -18.4 | 103 | 0.00 |
| 95 | T | Naphthalene | 1.468 | 1.548 | -5.4 | 88 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.742 | 0.832 | -12.1 | 98 | 0.00 |

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