# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
Data File : VY022666.D
Acq On : 12 Jun 2025 11:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 13 07:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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 | 83 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.448 | 0.440 | 1.8 | 88 | 0.00 |
| 3 | P | Chloromethane | 1.322 | 1.134 | 14.2 | 76 | 0.00 |
| 4 | C | Vinyl Chloride | 1.534 | 1.775 | -15.7# | 98 | 0.00 |
| 5 | T | Bromomethane | 1.470 | 1.356 | 7.8 | 91 | -0.01 |
| 6 | T | Chloroethane | 1.053 | 1.211 | -15.0 | 104 | -0.01 |
| 7 | T | Trichlorofluoromethane | 1.302 | 1.696 | -30.3# | 115 | -0.01 |
| 8 | T | Diethyl Ether | 0.293 | 0.284 | 3.1 | 81 | -0.02 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.549 | 0.536 | 2.4 | 83 | -0.01 |
| 10 | T | Methyl Iodide | 0.594 | 0.580 | 2.4 | 75 | -0.01 |
| 11 | T | Tert butyl alcohol | 0.040 | 0.037 | 7.5 | 79 | -0.03 |
| 12 | CM | 1,1-Dichloroethene | 0.524 | 0.533 | -1.7# | 85 | -0.02 |
| 13 | T | Acrolein | 0.050 | 0.023 | 54.0# | 39# | -0.01 |
| 14 | T | Allyl chloride | 0.823 | 0.744 | 9.6 | 77 | -0.01 |
| 15 | T | Acrylonitrile | 0.124 | 0.116 | 6.5 | 77 | -0.01 |
| 16 | T | Acetone | 0.114 | 0.140 | -22.8 | 100 | -0.01 |
| 17 | T | Carbon Disulfide | 1.679 | 1.551 | 7.6 | 77 | -0.01 |
| 18 | T | Methyl Acetate | 0.336 | 0.297 | 11.6 | 74 | -0.01 |
| 19 | T | Methyl tert-butyl Ether | 1.477 | 1.400 | 5.2 | 79 | -0.02 |
| 20 | T | Methylene Chloride | 0.645 | 0.643 | 0.3 | 93 | -0.01 |
| 21 | T | trans-1,2-Dichloroethene | 0.587 | 0.582 | 0.9 | 85 | -0.01 |
| 22 | T | Diisopropyl ether | 1.832 | 1.718 | 6.2 | 78 | -0.01 |
| 23 | T | Vinyl Acetate | 1.084 | 0.981 | 9.5 | 75 | -0.02 |
| 24 | P | 1,1-Dichloroethane | 1.079 | 1.078 | 0.1 | 84 | -0.01 |
| 25 | T | 2-Butanone | 0.164 | 0.170 | -3.7 | 84 | -0.01 |
| 26 | T | 2,2-Dichloropropane | 0.954 | 0.980 | -2.7 | 86 | -0.01 |
| 27 | T | cis-1,2-Dichloroethene | 0.678 | 0.692 | -2.1 | 84 | -0.01 |
| 28 | T | Bromochloromethane | 0.471 | 0.458 | 2.8 | 84 | -0.01 |
| 29 | T | Tetrahydrofuran | 0.106 | 0.092 | 13.2 | 73 | -0.01 |
| 30 | C | Chloroform | 1.069 | 1.092 | -2.2# | 86 | -0.01 |
| 31 | T | Cyclohexane | 1.075 | 0.966 | 10.1 | 79 | -0.01 |
| 32 | T | 1,1,1-Trichloroethane | 0.949 | 0.963 | -1.5 | 84 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.559 | 0.552 | 1.3 | 77 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.298 | 0.318 | -6.7 | 81 | -0.01 |
| 36 | T | 1,1-Dichloropropene | 0.484 | 0.498 | -2.9 | 84 | 0.00 |
| 37 | T | Ethyl Acetate | 0.216 | 0.197 | 8.8 | 70 | -0.02 |
| 38 | T | Carbon Tetrachloride | 0.497 | 0.521 | -4.8 | 84 | 0.00 |
| 39 | T | Methylcyclohexane | 0.651 | 0.654 | -0.5 | 81 | -0.01 |
| 40 | TM | Benzene | 1.431 | 1.473 | -2.9 | 84 | 0.00 |
| 41 | T | Methacrylonitrile | 0.126 | 0.113 | 10.3 | 74 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.391 | 0.377 | 3.6 | 79 | -0.01 |
| 43 | T | Isopropyl Acetate | 0.467 | 0.428 | 8.4 | 73 | 0.00 |
| 44 | TM | Trichloroethene | 0.350 | 0.373 | -6.6 | 86 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.338 | 0.348 | -3.0# | 83 | 0.00 |
| 46 | T | Dibromomethane | 0.190 | 0.192 | -1.1 | 82 | 0.00 |
| 47 | T | Bromodichloromethane | 0.482 | 0.496 | -2.9 | 83 | 0.00 |
| 48 | T | Methyl methacrylate | 0.219 | 0.198 | 9.6 | 73 | 0.00 |

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

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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 | 82 | -0.02 |
| 50 | S | Toluene-d8 | 1.206 | 1.303 | -8.0 | 83 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.233 | 0.219 | 6.0 | 74 | 0.00 |
| 52 | CM | Toluene | 0.899 | 0.935 | -4.0# | 85 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.452 | 0.448 | 0.9 | 79 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.526 | 0.542 | -3.0 | 83 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.243 | 0.247 | -1.6 | 84 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.351 | 0.343 | 2.3 | 77 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.430 | 0.429 | 0.2 | 81 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.159 | 0.167 | -5.0 | 86 | 0.00 |
| 59 | T | 2-Hexanone | 0.156 | 0.159 | -1.9 | 81 | 0.00 |
| 60 | T | Dibromochloromethane | 0.308 | 0.315 | -2.3 | 82 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.221 | 0.221 | 0.0 | 81 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.359 | 0.380 | -5.8 | 84 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 64 | T | Tetrachloroethene | 0.430 | 0.520 | -20.9 | 97 | 0.00 |
| 65 | PM | Chlorobenzene | 1.106 | 1.159 | -4.8 | 85 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.373 | 0.386 | -3.5 | 83 | 0.00 |
| 67 | C | Ethyl Benzene | 2.052 | 2.137 | -4.1# | 84 | 0.00 |
| 68 | T | m/p-Xylenes | 0.778 | 0.823 | -5.8 | 86 | 0.00 |
| 69 | T | o-Xylene | 0.729 | 0.765 | -4.9 | 85 | 0.00 |
| 70 | T | Styrene | 1.206 | 1.268 | -5.1 | 84 | 0.00 |
| 71 | P | Bromoform | 0.198 | 0.200 | -1.0 | 81 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 73 | T | Isopropylbenzene | 4.105 | 4.273 | -4.1 | 87 | 0.00 |
| 74 | T | N-amyl acetate | 1.036 | 0.968 | 6.6 | 76 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.674 | 0.603 | 10.5 | 74 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.572 | 0.545 | 4.7 | 73 | 0.00 |
| 77 | T | Bromobenzene | 0.866 | 0.882 | -1.8 | 85 | 0.00 |
| 78 | T | n-propylbenzene | 5.014 | 5.116 | -2.0 | 85 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.657 | 2.643 | 0.5 | 83 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.223 | 3.299 | -2.4 | 85 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.237 | 0.215 | 9.3 | 77 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.741 | 2.693 | 1.8 | 81 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.893 | 3.063 | -5.9 | 89 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.223 | 3.290 | -2.1 | 86 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.430 | 4.593 | -3.7 | 86 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.652 | 3.823 | -4.7 | 88 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.755 | 1.815 | -3.4 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.702 | 1.750 | -2.8 | 86 | 0.00 |
| 89 | T | n-Butylbenzene | 3.464 | 3.649 | -5.3 | 87 | 0.00 |
| 90 | T | Hexachloroethane | 0.711 | 0.727 | -2.3 | 85 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.490 | 1.518 | -1.9 | 84 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.098 | 0.100 | -2.0 | 80 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.813 | 0.847 | -4.2 | 87 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.449 | 0.452 | -0.7 | 85 | 0.00 |
| 95 | T | Naphthalene | 1.560 | 1.553 | 0.4 | 81 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.697 | 0.690 | 1.0 | 83 | 0.00 |

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