Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 49.354 | 1.3 | 116 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.774 | 6.5 | 107 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.257 | 5.5# | 105 | 0.01 |
| 5 | T | Bromomethane | 50.000 | 44.443 | 11.1 | 105 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 47.058 | 5.9 | 104 | 0.01 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.647 | 4.7 | 107 | 0.01 |
| 8 | T | Diethyl Ether | 50.000 | 45.835 | 8.3 | 99 | 0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.898 | 4.2 | 107 | 0.01 |
| 10 | T | Methyl Iodide | 50.000 | 45.380 | 9.2 | 91 | 0.01 |
| 11 | T | Tert butyl alcohol | 250.000 | 228.563 | 8.6 | 102 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.956 | 4.1# | 106 | 0.01 |
| 13 | T | Acrolein | 250.000 | 219.309 | 12.3 | 100 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.238 | 5.5 | 101 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 218.862 | 12.5 | 95 | 0.01 |
| 16 | T | Acetone | 250.000 | 245.343 | 1.9 | 105 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.908 | 6.2 | 103 | 0.01 |
| 18 | T | Methyl Acetate | 50.000 | 40.953 | 18.1 | 92 | 0.01 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 46.613 | 6.8 | 99 | 0.01 |
| 20 | T | Methylene Chloride | 50.000 | 46.668 | 6.7 | 106 | 0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.167 | 3.7 | 105 | 0.02 |
| 22 | T | Diisopropyl ether | 50.000 | 47.064 | 5.9 | 99 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 235.988 | 5.6 | 98 | 0.01 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.667 | 6.7 | 103 | 0.01 |
| 25 | T | 2-Butanone | 250.000 | 231.729 | 7.3 | 100 | 0.01 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.512 | 3.0 | 106 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.432 | 5.1 | 102 | 0.01 |
| 28 | T | Bromochloromethane | 50.000 | 45.877 | 8.2 | 102 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 224.495 | 10.2 | 95 | 0.00 |
| 30 | C | Chloroform | 50.000 | 46.322 | 7.4# | 102 | 0.01 |
| 31 | T | Cyclohexane | 50.000 | 46.872 | 6.3 | 106 | 0.01 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.144 | 5.7 | 104 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.697 | 6.6 | 102 | 0.01 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 106 | 0.01 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.405 | 1.2 | 103 | 0.01 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.154 | 1.7 | 103 | 0.01 |
| 37 | T | Ethyl Acetate | 50.000 | 46.108 | 7.8 | 98 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.012 | 2.0 | 104 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 52.321 | -4.6 | 107 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.379 | 3.2 | 102 | 0.01 |
| 41 | T | Methacrylonitrile | 50.000 | 47.767 | 4.5 | 38 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 45.837 | 8.3 | 98 | 0.01 |
| 43 | T | Isopropyl Acetate | 50.000 | 46.679 | 6.6 | 96 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.660 | 2.7 | 102 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 47.514 | 5.0# | 101 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 45.913 | 8.2 | 97 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 47.374 | 5.3 | 100 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 47.887 | 4.2 | 95 | 0.01 |

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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 956.973 | 4.3 | 101 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.748 | -3.5 | 107 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 238.107 | 4.8 | 96 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.367 | -0.7# | 103 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.119 | 3.8 | 98 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.075 | 3.8 | 99 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 46.483 | 7.0 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.654 | 0.7 | 97 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 47.011 | 6.0 | 97 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 268.741 | -7.5 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 249.775 | 0.1 | 101 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 47.521 | 5.0 | 99 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 46.841 | 6.3 | 98 | 0.01 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.495 | -5.0 | 107 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.218 | 1.6 | 100 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.335 | 1.3 | 102 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.186 | 3.6 | 100 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.684 | -3.4# | 103 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.389 | -2.4 | 102 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.636 | -3.3 | 102 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.764 | -3.5 | 100 | 0.00 |
| 71 | P | Bromoform | 50.000 | 46.631 | 6.7 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.185 | -2.4 | 104 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 47.649 | 4.7 | 98 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.176 | 9.6 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.118 | 7.8 | 65 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 47.389 | 5.2 | 100 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.967 | -1.9 | 103 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.286 | 1.4 | 102 | 0.01 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.423 | -2.8 | 104 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 46.878 | 6.2 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.573 | 2.9 | 101 | 0.01 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.922 | -3.8 | 106 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.044 | -2.1 | 103 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.022 | -4.0 | 106 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.135 | -4.3 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.223 | 3.6 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.563 | 4.9 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.244 | -4.5 | 104 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.841 | 2.3 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 47.779 | 4.4 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.428 | 9.1 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.050 | -2.1 | 105 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.756 | -1.5 | 107 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.370 | -2.7 | 101 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.162 | -0.3 | 103 | 0.00 |

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