# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
Data File : VY021880.D
Acq On : 14 Apr 2025 19:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Apr 15 01:53:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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 | 99 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.410 | 13.2 | 88 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.826 | 12.3 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 43.946 | 12.1# | 89 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.813 | 2.4 | 105 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 46.180 | 7.6 | 96 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 45.858 | 8.3 | 94 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.230 | -0.5 | 103 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.267 | 7.5 | 95 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 56.327 | -12.7 | 103 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 248.610 | 0.6 | 102 | 0.04 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.654 | 4.7# | 96 | 0.00 |
| 13 | T | Acrolein | 250.000 | 58.059 | 76.8# | 23 | 0.01 |
| 14 | T | Allyl chloride | 50.000 | 47.622 | 4.8 | 94 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 261.923 | -4.8 | 102 | 0.00 |
| 16 | T | Acetone | 250.000 | 199.849 | 20.1 | 81 | 0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 43.911 | 12.2 | 88 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 73.731 | -47.5# | 150 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.176 | -6.4 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 54.733 | -9.5 | 103 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.657 | 0.7 | 100 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.895 | -1.8 | 98 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 237.368 | 5.1 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.903 | 0.2 | 99 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 245.786 | 1.7 | 96 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.279 | 7.4 | 93 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.961 | -1.9 | 100 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.983 | -2.0 | 104 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 258.254 | -3.3 | 99 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.653 | -1.3# | 101 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 44.052 | 11.9 | 90 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.963 | 2.1 | 98 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.938 | -3.9 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.976 | -6.0 | 103 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.277 | 5.4 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.702 | 4.6 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.415 | 3.2 | 98 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.706 | 4.6 | 92 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.758 | 0.5 | 99 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 51.163 | -2.3 | 94 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.773 | 0.5 | 100 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.953 | -1.9 | 101 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.546 | -3.1 | 105 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.765 | -1.5# | 102 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.949 | -3.9 | 107 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.558 | -1.1 | 102 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.565 | -5.1 | 102 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1046.229 | -4.6 | 103 | 0.02 |
| 50 | S | Toluene-d8 | 50.000 | 52.859 | -5.7 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 270.632 | -8.3 | 105 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.892 | -1.8# | 100 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.797 | -1.6 | 98 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.420 | 1.2 | 97 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.507 | -5.0 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 57.334 | -14.7 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.051 | -4.1 | 103 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 300.129 | -20.1 | 109 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 272.695 | -9.1 | 103 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.006 | -6.0 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.873 | -5.7 | 103 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 55.636 | -11.3 | 107 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.932 | -3.9 | 108 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.305 | -0.6 | 102 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.213 | -2.4 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.363 | -0.7# | 99 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 101.203 | -1.2 | 99 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.777 | -3.6 | 100 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.774 | -5.5 | 102 | 0.00 |
| 71 | P | Bromoform | 50.000 | 54.147 | -8.3 | 108 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 106 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.398 | 3.2 | 100 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.895 | 2.2 | 99 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.172 | 3.7 | 104 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.930 | 0.1 | 106 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.989 | 2.0 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 47.863 | 4.3 | 98 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.863 | 4.3 | 100 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.896 | 2.2 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 46.318 | 7.4 | 96 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 47.493 | 5.0 | 99 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.718 | 2.6 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.487 | 1.0 | 101 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.259 | 3.5 | 99 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.127 | 1.7 | 99 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.697 | 2.6 | 104 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.612 | 2.8 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 47.983 | 4.0 | 97 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.654 | 4.7 | 103 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.890 | 0.2 | 106 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.194 | -6.4 | 115 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.779 | -9.6 | 110 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.805 | -1.6 | 107 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 62.628 | -25.3# | 121 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 57.124 | -14.2 | 115 | 0.00 |

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