Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
ICVVV082125

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.747 | 0.638 | 14.6 | 107 | 0.00 |
| 3 | P | Chloromethane | 0.772 | 0.660 | 14.5 | 104 | 0.00 |
| 4 | C | Vinyl Chloride | 0.815 | 0.712 | 12.6# | 105 | 0.00 |
| 5 | T | Bromomethane | 0.440 | 0.383 | 13.0 | 104 | 0.00 |
| 6 | T | Chloroethane | 0.415 | 0.333 | 19.8 | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.116 | 0.933 | 16.4 | 104 | 0.00 |
| 8 | T | Diethyl Ether | 0.343 | 0.299 | 12.8 | 114 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.616 | 0.504 | 18.2 | 110 | 0.00 |
| 10 | T | Methyl Iodide | 0.766 | 0.728 | 5.0 | 113 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.095 | 0.089 | 6.3 | 115 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.567 | 0.485 | 14.5# | 110 | 0.00 |
| 13 | T | Acrolein | 0.041 | 0.029 | 29.3# | 123 | 0.00 |
| 14 | T | Allyl chloride | 0.758 | 0.684 | 9.8 | 117 | 0.00 |
| 15 | T | Acrylonitrile | 0.287 | 0.269 | 6.3 | 119 | 0.00 |
| 16 | T | Acetone | 0.282 | 0.234 | 17.0 | 114 | 0.00 |
| 17 | T | Carbon Disulfide | 1.578 | 1.350 | 14.4 | 111 | 0.00 |
| 18 | T | Methyl Acetate | 0.597 | 0.564 | 5.5 | 122 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.678 | 1.656 | 1.3 | 117 | 0.00 |
| 20 | T | Methylene Chloride | 0.654 | 0.535 | 18.2 | 112 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.591 | 0.520 | 12.0 | 110 | 0.00 |
| 22 | T | Diisopropyl ether | 1.664 | 1.466 | 11.9 | 123 | 0.00 |
| 23 | T | Vinyl Acetate | 1.335 | 1.253 | 6.1 | 124 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.102 | 0.900 | 18.3 | 116 | 0.00 |
| 25 | T | 2-Butanone | 0.366 | 0.417 | -13.9 | 152# | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.057 | 0.960 | 9.2 | 125 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.713 | 0.707 | 0.8 | 134 | 0.00 |
| 28 | T | Bromochloromethane | 0.320 | 0.275 | 14.1 | 151# | 0.00 |
| 29 | T | Tetrahydrofuran | 0.245 | 0.276 | -12.7 | 159# | 0.00 |
| 30 | C | Chloroform | 1.259 | 1.158 | 8.0# | 128 | 0.00 |
| 31 | T | Cyclohexane | 0.983 | 0.964 | 1.9 | 145 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.183 | 1.052 | 11.1 | 123 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.702 | 0.668 | 4.8 | 126 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 128 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.375 | 0.350 | 6.7 | 129 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.487 | 0.479 | 1.6 | 135 | 0.00 |
| 37 | T | Ethyl Acetate | 0.476 | 0.516 | -8.4 | 169# | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.652 | 0.570 | 12.6 | 118 | 0.00 |
| 39 | T | Methylcyclohexane | 0.622 | 0.646 | -3.9 | 131 | 0.00 |
| 40 | TM | Benzene | 1.525 | 1.512 | 0.9 | 135 | 0.00 |
| 41 | T | Methacrylonitrile | 0.179 | 0.233 | -30.2# | 161# | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.558 | 0.513 | 8.1 | 128 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.726 | 0.805 | -10.9 | 154# | 0.00 |
| 44 | TM | Trichloroethene | 0.414 | 0.385 | 7.0 | 126 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.366 | 0.373 | -1.9# | 145 | 0.00 |
| 46 | T | Dibromomethane | 0.307 | 0.284 | 7.5 | 130 | 0.00 |
| 47 | T | Bromodichloromethane | 0.625 | 0.577 | 7.7 | 126 | 0.00 |
| 48 | T | Methyl methacrylate | 0.325 | 0.380 | -16.9 | 149 | 0.00 |

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Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
ICVVV082125

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.005 | 0.006 | -20.0 | 140 | 0.00 |
| 50 | S | Toluene-d8 | 1.308 | 1.226 | 6.3 | 117 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.477 | 0.526 | -10.3 | 133 | 0.00 |
| 52 | CM | Toluene | 0.966 | 0.964 | 0.2# | 115 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.584 | 0.589 | -0.9 | 108 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.605 | 0.632 | -4.5 | 129 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.421 | 0.388 | 7.8 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.494 | 0.585 | -18.4 | 113 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.657 | 0.629 | 4.3 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.248 | 0.310 | -25.0# | 134 | 0.00 |
| 59 | T | 2-Hexanone | 0.355 | 0.392 | -10.4 | 108 | 0.00 |
| 60 | T | Dibromochloromethane | 0.509 | 0.459 | 9.8 | 105 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.437 | 0.415 | 5.0 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.478 | 0.464 | 2.9 | 106 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 64 | T | Tetrachloroethene | 0.372 | 0.356 | 4.3 | 104 | 0.00 |
| 65 | PM | Chlorobenzene | 1.206 | 1.142 | 5.3 | 105 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.433 | 0.408 | 5.8 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 1.840 | 1.928 | -4.8# | 105 | 0.00 |
| 68 | T | m/p-Xylenes | 0.715 | 0.766 | -7.1 | 104 | 0.00 |
| 69 | T | o-Xylene | 0.651 | 0.715 | -9.8 | 107 | 0.00 |
| 70 | T | Styrene | 1.118 | 1.269 | -13.5 | 105 | 0.00 |
| 71 | P | Bromoform | 0.357 | 0.344 | 3.6 | 105 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 3.355 | 3.550 | -5.8 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 1.229 | 1.395 | -13.5 | 110 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.332 | 1.193 | 10.4 | 106 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.927 | 0.910 | 1.8 | 105 | 0.00 |
| 77 | T | Bromobenzene | 0.862 | 0.857 | 0.6 | 105 | 0.00 |
| 78 | T | n-propylbenzene | 4.006 | 4.283 | -6.9 | 104 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.405 | 2.496 | -3.8 | 104 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.824 | 3.048 | -7.9 | 103 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.404 | 0.429 | -6.2 | 105 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.772 | 2.961 | -6.8 | 102 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.804 | 3.018 | -7.6 | 105 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.702 | 3.045 | -12.7 | 104 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.646 | 3.952 | -8.4 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.071 | 3.303 | -7.6 | 102 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.702 | 1.684 | 1.1 | 102 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.816 | 1.739 | 4.2 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 2.992 | 3.181 | -6.3 | 103 | 0.00 |
| 90 | T | Hexachloroethane | 0.710 | 0.641 | 9.7 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.623 | 1.604 | 1.2 | 104 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.259 | 0.259 | 0.0 | 108 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.969 | 1.035 | -6.8 | 105 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.499 | 0.461 | 7.6 | 102 | 0.00 |
| 95 | T | Naphthalene | 3.057 | 3.590 | -17.4 | 106 | 0.00 |

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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
ICVVV082125

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.977 | 0.939 | 3.9 | 94 | 0.00 |

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