# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
Data File : VD072748.D
Acq On : 02 May 2022 16:12
Operator : VA/SY
Sample : VSTDICV050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
ICVVD050222

Quant Time: May 03 08:34:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 2022
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 | 106 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.154 | 9.7 | 97 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 44.589 | 10.8 | 99 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.516 | 7.0# | 97 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 51.151 | -2.3 | 108 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 46.090 | 7.8 | 101 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 46.528 | 6.9 | 100 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.783 | 6.4 | 102 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.066 | 7.9 | 100 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 46.571 | 6.9 | 95 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 201.758 | 19.3 | 101 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.105 | 5.8# | 101 | 0.00 |
| 13 | T | Acrolein | 250.000 | 214.639 | 14.1 | 93 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.373 | 3.3 | 102 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 232.480 | 7.0 | 99 | 0.00 |
| 16 | T | Acetone | 250.000 | 243.697 | 2.5 | 90 | 0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 46.782 | 6.4 | 100 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 45.083 | 9.8 | 97 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.395 | 1.2 | 102 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.395 | 3.2 | 104 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.571 | 2.9 | 102 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.338 | 1.3 | 101 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 248.549 | 0.6 | 101 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 47.373 | 5.3 | 103 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 230.353 | 7.9 | 96 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 47.673 | 4.7 | 101 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.194 | 3.6 | 103 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.572 | -5.1 | 108 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 235.602 | 5.8 | 99 | 0.00 |
| 30 | C | Chloroform | 50.000 | 47.131 | 5.7# | 103 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.730 | 6.5 | 99 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.569 | 4.9 | 102 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.738 | 4.5 | 106 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 108 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.076 | -0.2 | 108 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.589 | 2.8 | 100 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.792 | 4.4 | 98 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.418 | 3.2 | 101 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.077 | -0.2 | 103 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.707 | 2.6 | 102 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 45.930 | 8.1 | 88 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.538 | 4.9 | 101 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 47.374 | 5.3 | 97 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 47.641 | 4.7 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 47.736 | 4.5# | 100 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.627 | 4.7 | 101 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 47.939 | 4.1 | 101 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.726 | -1.5 | 100 | 0.00 |

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ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
ICVVD050222

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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 | 948.306 | 5.2 | 102 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.454 | -2.9 | 110 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 242.492 | 3.0 | 98 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.163 | -0.3# | 102 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.799 | 2.4 | 101 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.258 | 1.5 | 103 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.327 | 3.3 | 101 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 50.874 | -1.7 | 99 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.839 | 2.3 | 104 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 261.559 | -4.6 | 101 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 247.796 | 0.9 | 95 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 47.378 | 5.2 | 101 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 46.636 | 6.7 | 97 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.847 | 0.3 | 105 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.604 | 2.8 | 102 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.129 | 1.7 | 101 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.771 | 0.5 | 102 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.009 | -2.0# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 103.348 | -3.3 | 101 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.990 | -4.0 | 101 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.582 | -5.2 | 102 | 0.00 |
| 71 | P | Bromoform | 50.000 | 47.539 | 4.9 | 98 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.990 | -6.0 | 103 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.597 | -3.2 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.670 | 2.7 | 101 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.449 | -0.9 | 97 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.438 | -0.9 | 101 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 52.488 | -5.0 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.481 | -3.0 | 103 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.842 | -5.7 | 101 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.578 | 0.8 | 96 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.381 | -2.8 | 102 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.560 | -5.1 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.231 | -4.5 | 101 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.766 | -5.5 | 102 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.372 | -4.7 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.391 | -0.8 | 103 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.221 | 1.6 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.890 | -5.8 | 101 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.017 | -2.0 | 104 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.312 | -0.6 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.348 | 5.3 | 97 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 50.723 | -1.4 | 99 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.446 | 3.1 | 99 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.626 | -5.3 | 99 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.526 | -1.1 | 98 | 0.00 |

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