# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
Data File : VD077127.D
Acq On : 18 Sep 2023 13:37
Operator : JC/SY
Sample : VSTDICV050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
ICVVD091823

Quant Time: Sep 19 04:54:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
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 | 101 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 42.266 | 15.5 | 95 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.333 | 7.3 | 110 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.188 | 5.6# | 104 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 39.705 | 20.6 | 99 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 41.006 | 18.0 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 37.986 | 24.0 | 90 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 44.476 | 11.0 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 40.052 | 19.9 | 83 | 0.01 |
| 10 | T | Methyl Iodide | 50.000 | 50.506 | -1.0 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 261.809 | -4.7 | 118 | 0.02 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 44.118 | 11.8# | 95 | 0.00 |
| 13 | T | Acrolein | 250.000 | 213.044 | 14.8 | 95 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.763 | -1.5 | 104 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 268.224 | -7.3 | 116 | 0.00 |
| 16 | T | Acetone | 250.000 | 240.775 | 3.7 | 95 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.949 | 4.1 | 103 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 53.167 | -6.3 | 116 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 54.548 | -9.1 | 116 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.752 | -3.5 | 109 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.991 | 0.0 | 106 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.715 | -5.4 | 110 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 276.922 | -10.8 | 117 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.590 | 0.8 | 109 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 267.525 | -7.0 | 113 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.663 | 0.7 | 107 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.414 | 1.2 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.281 | 5.4 | 99 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 267.632 | -7.1 | 115 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.783 | 0.4# | 107 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.446 | 7.1 | 98 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.474 | 1.1 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.755 | -1.5 | 106 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.207 | 1.6 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.263 | 1.5 | 104 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.624 | -5.2 | 118 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.956 | 2.1 | 101 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.099 | 1.8 | 98 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.677 | -1.4 | 108 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.843 | -7.7 | 119 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.703 | -1.4 | 109 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 54.549 | -9.1 | 120 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.641 | 2.7 | 106 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.287 | -0.6# | 109 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.786 | -1.6 | 110 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.694 | -1.4 | 110 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 57.554 | -15.1 | 121 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1077.967 | -7.8 | 115 | 0.01 |
| 50 | S | Toluene-d8 | 50.000 | 50.903 | -1.8 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 267.662 | -7.1 | 118 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.430 | -2.9# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.558 | -5.1 | 113 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.905 | -3.8 | 111 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.176 | -2.4 | 111 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 55.312 | -10.6 | 115 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.273 | -2.5 | 110 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 264.612 | -5.8 | 108 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 272.548 | -9.0 | 118 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 51.209 | -2.4 | 109 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.907 | -3.8 | 115 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.484 | -3.0 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.054 | 3.9 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.432 | 1.1 | 109 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.077 | 1.8 | 108 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.304 | -0.6# | 107 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 101.610 | -1.6 | 106 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.261 | -2.5 | 108 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.119 | -6.2 | 109 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.979 | -2.0 | 112 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.052 | -0.1 | 106 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.803 | -3.6 | 113 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.857 | 0.3 | 116 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.923 | 4.2 | 111 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.007 | -0.0 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.096 | -0.2 | 106 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.612 | 0.8 | 107 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.585 | -1.2 | 106 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 51.471 | -2.9 | 115 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.731 | -1.5 | 106 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.366 | -0.7 | 104 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.657 | -1.3 | 107 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.545 | -1.1 | 105 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.914 | -1.8 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.502 | 1.0 | 107 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.975 | 2.0 | 108 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.552 | -1.1 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.810 | 4.4 | 106 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.592 | 0.8 | 109 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 52.456 | -4.9 | 118 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.871 | -3.7 | 112 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.419 | 3.2 | 104 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 54.182 | -8.4 | 118 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.991 | -4.0 | 111 | 0.00 |

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