Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100522\
Data File : VD074457.D
Acq On : 05 Oct 2022 17:09
Operator : VA/SY
Sample : VSTDICV050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
ICVVD100522

Quant Time: Oct 06 09:54:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 01:54:40 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 | 101 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 52.254 | -4.5 | 94 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.539 | 6.9 | 95 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 54.337 | -8.7# | 101 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 59.487 | -19.0 | 123 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 53.488 | -7.0 | 102 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 48.352 | 3.3 | 91 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.663 | -5.3 | 97 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.475 | 3.0 | 93 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.108 | 1.8 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 228.655 | 8.5 | 92 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.139 | 1.7# | 94 | 0.00 |
| 13 | T | Acrolein | 250.000 | 237.341 | 5.1 | 87 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.703 | -1.4 | 95 | 0.01 |
| 15 | T | Acrylonitrile | 250.000 | 267.139 | -6.9 | 99 | 0.00 |
| 16 | T | Acetone | 250.000 | 268.947 | -7.6 | 95 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.097 | 1.8 | 93 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 49.390 | 1.2 | 97 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.861 | -3.7 | 98 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.029 | -4.1 | 105 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.705 | 0.6 | 97 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.377 | -4.8 | 99 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 257.810 | -3.1 | 91 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.557 | 0.9 | 96 | 0.01 |
| 25 | T | 2-Butanone | 250.000 | 276.064 | -10.4 | 96 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.667 | 0.7 | 99 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.280 | -4.6 | 105 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.758 | -1.5 | 96 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 279.040 | -11.6 | 105 | 0.00 |
| 30 | C | Chloroform | 50.000 | 51.472 | -2.9# | 104 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.674 | 6.7 | 95 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.876 | -1.8 | 103 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 52.167 | -4.3 | 97 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 44.933 | 10.1 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.783 | 0.4 | 101 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 54.608 | -9.2 | 103 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.453 | -0.9 | 99 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.241 | 1.5 | 94 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.486 | -3.0 | 103 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 52.228 | -4.5 | 119 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 52.266 | -4.5 | 104 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.470 | -2.9 | 100 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.488 | -1.0 | 103 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.089 | -2.2# | 103 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.487 | -9.0 | 104 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.008 | -4.0 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.797 | -9.6 | 106 | 0.00 |

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Operator : VA/SY
Sample : VSTDICV050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
ICVVD100522

Quant Time: Oct 06 09:54:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 01:54:40 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1029.895 | -3.0 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.950 | -1.9 | 98 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 274.248 | -9.7 | 102 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.795 | -7.6# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.372 | -4.7 | 101 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.107 | -6.2 | 103 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.831 | -3.7 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.653 | -13.3 | 104 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.234 | -6.5 | 103 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 187.633 | 24.9 | 78 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 290.985 | -16.4 | 101 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.586 | -7.2 | 106 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.926 | -5.9 | 102 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.424 | 5.2 | 98 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.765 | 4.5 | 99 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.780 | -3.6 | 105 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.300 | -4.6 | 105 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.267 | -4.5# | 103 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.629 | -4.6 | 101 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.260 | -6.5 | 106 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.059 | -8.1 | 103 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.153 | -6.3 | 103 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.121 | -2.2 | 102 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.755 | -3.5 | 101 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.233 | -0.5 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 95.801 | -91.6# | 213 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.647 | 0.7 | 103 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.846 | -1.7 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.182 | -2.4 | 103 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.833 | -1.7 | 101 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.851 | -1.7 | 95 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.897 | -3.8 | 103 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.842 | -1.7 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.991 | -4.0 | 103 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.670 | -1.3 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.417 | -2.8 | 102 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.675 | -3.3 | 103 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.667 | -1.3 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.771 | -3.5 | 102 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.206 | -0.4 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.595 | -3.2 | 103 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.200 | -0.4 | 107 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 50.841 | -1.7 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.840 | 4.3 | 99 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.874 | -5.7 | 105 | 0.00 |

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ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
ICVVD100522

Quant Time: Oct 06 09:54:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 01:54:40 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.605 | -1.2 | 104 | 0.00 |

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