Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
Data File : VD073141.D
Acq On : 19 May 2022 15:58
Operator : VA/SY
Sample : VSTDICV050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
ICVVD051922

Quant Time: May 20 01:48:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 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 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.117 | 7.8 | 112 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 45.288 | 9.4 | 111 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.393 | 7.2# | 107 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 51.828 | -3.7 | 109 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 47.537 | 4.9 | 108 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.078 | 1.8 | 112 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 48.892 | 2.2 | 106 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.165 | 3.7 | 112 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.988 | 4.0 | 103 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 113.566 | 54.6# | 93 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.575 | 0.8# | 110 | 0.00 |
| 13 | T | Acrolein | 250.000 | 220.661 | 11.7 | 99 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.085 | 1.8 | 109 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 247.754 | 0.9 | 109 | 0.00 |
| 16 | T | Acetone | 250.000 | 262.607 | -5.0 | 130 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.430 | 5.1 | 108 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 48.380 | 3.2 | 111 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 50.506 | -1.0 | 110 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 50.728 | -1.5 | 112 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.795 | 2.4 | 108 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.745 | -1.5 | 108 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 256.382 | -2.6 | 110 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 47.738 | 4.5 | 108 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 248.498 | 0.6 | 113 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 47.888 | 4.2 | 109 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.833 | 2.3 | 107 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 48.438 | 3.1 | 106 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 251.593 | -0.6 | 111 | 0.00 |
| 30 | C | Chloroform | 50.000 | 47.005 | 6.0# | 106 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.747 | 2.5 | 112 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.761 | 4.5 | 108 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.779 | 4.4 | 108 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.712 | 2.6 | 104 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.801 | -1.6 | 111 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.955 | -5.9 | 118 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.722 | -1.4 | 109 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.485 | -7.0 | 112 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.507 | 1.0 | 109 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 49.841 | 0.3 | 125 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.265 | 1.5 | 108 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.984 | -4.0 | 112 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.460 | -0.9 | 110 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.623 | 2.8# | 106 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.659 | 4.7 | 105 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 49.010 | 2.0 | 108 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.510 | -9.0 | 117 | 0.00 |

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

**Instrument :**
MSVOA_D
**ClientSampleId :**
ICVVD051922

Quant Time: May 20 01:48:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
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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 | 1096.706 | -9.7 | 120 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.517 | -1.0 | 106 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 261.267 | -4.5 | 111 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.791 | -1.6# | 107 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.529 | 0.9 | 109 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.792 | 0.4 | 107 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 49.170 | 1.7 | 108 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.303 | -6.6 | 107 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.926 | 0.1 | 107 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 239.647 | 4.1 | 110 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 276.898 | -10.8 | 116 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.072 | 1.9 | 108 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 48.650 | 2.7 | 107 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.802 | 0.4 | 106 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.416 | -0.8 | 111 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.497 | 1.0 | 108 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.359 | -0.7 | 109 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.054 | -4.1# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.755 | -4.8 | 107 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.589 | -5.2 | 109 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.645 | -5.3 | 107 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.470 | -0.9 | 110 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.932 | -9.9 | 110 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.408 | -8.8 | 111 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.321 | -2.6 | 109 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.133 | 3.7 | 102 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.220 | -4.4 | 110 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 54.408 | -8.8 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.693 | -5.4 | 108 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.773 | -7.5 | 108 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 54.399 | -8.8 | 111 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 53.279 | -6.6 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 55.675 | -11.3 | 112 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.623 | -7.2 | 109 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 54.473 | -8.9 | 110 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 54.820 | -9.6 | 110 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.820 | -3.6 | 109 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.946 | 0.1 | 107 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 55.233 | -10.5 | 110 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.125 | -2.3 | 108 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.573 | -3.1 | 108 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.711 | -3.4 | 112 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.003 | -8.0 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 52.189 | -4.4 | 114 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.466 | -0.9 | 113 | 0.00 |

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Quant Title : SW846 8260
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.634 | -5.3 | 107 | 0.00 |

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