Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012022\
Data File : VD071755.D
Acq On : 20 Jan 2022 10:04
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: Jan 21 03:14:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 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 | 94 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 47.826 | 4.3 | 93 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 50.626 | -1.3 | 98 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 50.187 | -0.4# | 104 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 49.677 | 0.6 | 103 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.454 | 1.1 | 104 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.737 | 4.5 | 101 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.425 | 1.2 | 99 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.482 | 1.0 | 102 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 43.366 | 13.3 | 81 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 209.016 | 16.4 | 85 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.893 | 6.2# | 97 | -0.01 |
| 13 | T | Acrolein | 250.000 | 137.599 | 45.0# | 52 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.283 | 1.4 | 103 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 256.074 | -2.4 | 102 | 0.00 |
| 16 | T | Acetone | 250.000 | 288.305 | -15.3 | 112 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 45.276 | 9.4 | 90 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 51.286 | -2.6 | 101 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.196 | -2.4 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 50.670 | -1.3 | 102 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.512 | 1.0 | 101 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 53.321 | -6.6 | 104 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 273.035 | -9.2 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.622 | -1.2 | 103 | -0.01 |
| 25 | T | 2-Butanone | 250.000 | 271.135 | -8.5 | 110 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.836 | -1.7 | 103 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.068 | -0.1 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 46.538 | 6.9 | 89 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 265.038 | -6.0 | 106 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.630 | -5.3# | 107 | -0.01 |
| 31 | T | Cyclohexane | 50.000 | 49.043 | 1.9 | 98 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.470 | -2.9 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.427 | -8.9 | 98 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 55.464 | -10.9 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.603 | -3.2 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.112 | -6.2 | 103 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 55.408 | -10.8 | 108 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.704 | 0.6 | 96 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.557 | -5.1 | 102 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 51.051 | -2.1 | 114 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.909 | -3.8 | 102 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.625 | -11.3 | 107 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.983 | -4.0 | 103 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.932 | -7.9# | 104 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.807 | -5.6 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 55.458 | -10.9 | 106 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 55.575 | -11.2 | 116 | 0.00 |

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ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

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Quant Title : SW846 8260
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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 | 1194.815 | -19.5 | 111 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 57.358 | -14.7 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 287.198 | -14.9 | 109 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.826 | -9.7# | 105 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 56.176 | -12.4 | 110 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.034 | -8.1 | 104 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 57.263 | -14.5 | 109 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 57.711 | -15.4 | 107 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.404 | -8.8 | 107 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 255.338 | -2.1 | 96 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 307.938 | -23.2 | 116 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 56.551 | -13.1 | 108 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.968 | -7.9 | 104 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 56.030 | -12.1 | 101 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 53.441 | -6.9 | 107 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.576 | -5.2 | 104 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.085 | -6.2 | 109 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.466 | -8.9# | 105 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 112.135 | -12.1 | 108 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.746 | -9.5 | 108 | 0.00 |
| 70 | T | Styrene | 50.000 | 56.663 | -13.3 | 108 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.287 | -10.6 | 108 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.227 | -4.5 | 106 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.561 | -9.1 | 111 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.634 | -5.3 | 111 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 45.638 | 8.7 | 105 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.399 | -2.8 | 108 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.447 | -6.9 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.578 | -3.2 | 106 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.468 | -6.9 | 108 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 55.046 | -10.1 | 117 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.616 | -5.2 | 107 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.733 | -7.5 | 109 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.154 | -6.3 | 107 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 54.725 | -9.5 | 108 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.809 | -7.6 | 108 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.314 | -6.6 | 110 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.647 | -1.3 | 106 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 53.625 | -7.2 | 108 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.014 | -8.0 | 113 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.803 | -7.6 | 110 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 54.912 | -9.8 | 120 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 53.795 | -7.6 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 52.422 | -4.8 | 109 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 55.366 | -10.7 | 109 | 0.00 |

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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 | 54.490 | -9.0 | 111 | 0.00 |

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