Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120424\
Data File : VN085104.D
Acq On : 04 Dec 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 04 22:13:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
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 | 102 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 44.960 | 10.1 | 92 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 35.699 | 28.6# | 81 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.010 | 12.0# | 92 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 44.559 | 10.9 | 96 | 0.04 |
| 6 | T | Chloroethane | 50.000 | 40.964 | 18.1 | 87 | 0.05 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.836 | 4.3 | 101 | 0.04 |
| 8 | T | Diethyl Ether | 50.000 | 50.075 | -0.2 | 99 | 0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.583 | 0.8 | 104 | 0.02 |
| 10 | T | Methyl Iodide | 50.000 | 46.949 | 6.1 | 96 | 0.02 |
| 11 | T | Tert butyl alcohol | 250.000 | 335.033 | -34.0# | 144 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.277 | 5.4# | 97 | 0.02 |
| 13 | T | Acrolein | 250.000 | 328.602 | -31.4# | 121 | 0.01 |
| 14 | T | Allyl chloride | 50.000 | 43.096 | 13.8 | 88 | 0.02 |
| 15 | T | Acrylonitrile | 250.000 | 283.537 | -13.4 | 118 | 0.00 |
| 16 | T | Acetone | 250.000 | 328.987 | -31.6# | 137 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 36.000 | 28.0# | 78 | 0.02 |
| 18 | T | Methyl Acetate | 50.000 | 59.445 | -18.9 | 122 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 55.541 | -11.1 | 111 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.090 | 5.8 | 103 | 0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 45.761 | 8.5 | 93 | 0.01 |
| 22 | T | Diisopropyl ether | 50.000 | 51.104 | -2.2 | 105 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 275.898 | -10.4 | 107 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.946 | 0.1 | 104 | 0.01 |
| 25 | T | 2-Butanone | 250.000 | 301.133 | -20.5 | 125 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 47.553 | 4.9 | 98 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.297 | -0.6 | 105 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.010 | -0.0 | 104 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 301.886 | -20.8 | 121 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.354 | -0.7# | 107 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 42.165 | 15.7 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.618 | -1.2 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.913 | 6.2 | 96 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 47.983 | 4.0 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 46.694 | 6.6 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 56.847 | -13.7 | 120 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.132 | -2.3 | 104 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.338 | 5.3 | 91 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.707 | 2.6 | 101 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 56.552 | -13.1 | 116 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.826 | 0.3 | 105 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.882 | 0.2 | 117 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.674 | 2.7 | 103 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.514 | -1.0# | 106 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.978 | -2.0 | 106 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.196 | -6.4 | 110 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 57.723 | -15.4 | 116 | 0.00 |

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ALS Vial : 22 Sample Multiplier: 1

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MSVOA_N
**LabSampleId :**
VSTDCCC050

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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 | 1314.875 | -31.5# | 129 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.206 | 5.6 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 316.053 | -26.4# | 126 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.932 | -3.9# | 103 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.454 | -4.9 | 103 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.295 | -4.6 | 104 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.629 | -11.3 | 113 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 63.289 | -26.6# | 117 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.707 | -7.4 | 111 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 300.696 | -20.3 | 104 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 315.587 | -26.2# | 122 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.539 | -11.1 | 115 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.622 | -7.2 | 110 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.831 | 4.3 | 95 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.120 | 3.8 | 104 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.176 | 1.6 | 108 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.440 | -6.9 | 113 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.059 | -8.1# | 108 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 106.724 | -6.7 | 107 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.962 | -9.9 | 109 | 0.00 |
| 70 | T | Styrene | 50.000 | 57.186 | -14.4 | 112 | 0.00 |
| 71 | P | Bromoform | 50.000 | 57.053 | -14.1 | 115 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 55.516 | -11.0 | 111 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 58.125 | -16.3 | 112 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.645 | -3.3 | 116 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 64.271 | -28.5# | 134 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.835 | -1.7 | 108 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 56.029 | -12.1 | 111 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.427 | -4.9 | 110 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 56.225 | -12.5 | 109 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.080 | -6.2 | 111 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.601 | -1.2 | 106 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 55.668 | -11.3 | 111 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 54.651 | -9.3 | 106 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 56.840 | -13.7 | 110 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 58.179 | -16.4 | 110 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 46.663 | 6.7 | 105 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.358 | 9.3 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.896 | -3.8 | 106 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.719 | -3.4 | 109 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 47.427 | 5.1 | 104 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.743 | -7.5 | 118 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 45.904 | 8.2 | 102 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 45.213 | 9.6 | 104 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 53.122 | -6.2 | 107 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 48.009 | 4.0 | 103 | 0.00 |

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