Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031824\
Data File : VN081451.D
Acq On : 18 Mar 2024 15:24
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDCCC050

Quant Time: Mar 18 15:41:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 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 | 134 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.030 | 13.9 | 107 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 34.785 | 30.4# | 100 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 45.792 | 8.4# | 132 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 40.398 | 19.2 | 116 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 40.033 | 19.9 | 120 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 41.761 | 16.5 | 117 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 40.957 | 18.1 | 112 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 43.278 | 13.4 | 126 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 50.210 | -0.4 | 131 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 202.229 | 19.1 | 121 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 40.694 | 18.6# | 115 | 0.00 |
| 13 | T | Acrolein | 250.000 | 122.573 | 51.0# | 68 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 35.645 | 28.7# | 103 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 187.278 | 25.1# | 108 | 0.00 |
| 16 | T | Acetone | 250.000 | 151.466 | 39.4# | 91 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 34.628 | 30.7# | 100 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 43.406 | 13.2 | 118 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 41.377 | 17.2 | 116 | -0.01 |
| 20 | T | Methylene Chloride | 50.000 | 43.669 | 12.7 | 119 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 39.685 | 20.6 | 116 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 39.731 | 20.5 | 107 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 186.855 | 25.3# | 101 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 40.950 | 18.1 | 117 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 168.491 | 32.6# | 97 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 42.859 | 14.3 | 118 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 41.981 | 16.0 | 123 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 41.659 | 16.7 | 119 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 171.775 | 31.3# | 99 | 0.00 |
| 30 | C | Chloroform | 50.000 | 43.318 | 13.4# | 122 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 36.112 | 27.8# | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 44.324 | 11.4 | 124 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 40.494 | 19.0 | 105 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 123 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.058 | -0.1 | 116 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 45.458 | 9.1 | 115 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 39.021 | 22.0 | 98 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.732 | -1.5 | 124 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 45.796 | 8.4 | 111 | 0.00 |
| 40 | TM | Benzene | 50.000 | 46.058 | 7.9 | 117 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 40.069 | 19.9 | 105 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 45.858 | 8.3 | 116 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 38.848 | 22.3 | 100 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.319 | -0.6 | 126 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 45.925 | 8.2# | 117 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 48.129 | 3.7 | 119 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.704 | -1.4 | 126 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 42.073 | 15.9 | 105 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDCCC050

Quant Time: Mar 18 15:41:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 836.535 | 16.3 | 112 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.273 | 1.5 | 113 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 206.756 | 17.3 | 103 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.379 | 1.2# | 121 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.617 | 0.8 | 120 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.141 | 1.7 | 120 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.286 | -0.6 | 127 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.966 | 0.1 | 117 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.063 | 3.9 | 121 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 151.816 | 39.3# | 71 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 209.597 | 16.2 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.356 | -10.7 | 135 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.715 | 0.6 | 123 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.483 | -1.0 | 115 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 126 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.457 | -2.9 | 137 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.369 | 1.3 | 129 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.616 | -3.2 | 133 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.186 | 1.6# | 123 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.334 | 0.7 | 125 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.401 | -0.8 | 127 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.033 | -8.1 | 129 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.714 | -11.4 | 139 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 140 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 45.896 | 8.2 | 125 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 38.287 | 23.4 | 104 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 40.975 | 18.0 | 123 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 60.462 | -20.9 | 179 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 46.655 | 6.7 | 138 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 46.791 | 6.4 | 124 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 44.502 | 11.0 | 125 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 47.871 | 4.3 | 129 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 45.861 | 8.3 | 113 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 45.193 | 9.6 | 126 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 47.117 | 5.8 | 130 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 47.860 | 4.3 | 130 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 47.706 | 4.6 | 128 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.371 | -0.7 | 133 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 47.236 | 5.5 | 140 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.894 | 8.2 | 136 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.545 | 2.9 | 129 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.685 | -1.4 | 137 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 46.958 | 6.1 | 139 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 40.669 | 18.7 | 116 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.599 | -3.2 | 142 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 52.259 | -4.5 | 152 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.014 | 4.0 | 130 | 0.00 |

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Response via : Initial Calibration

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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 | 51.800 | -3.6 | 147 | 0.00 |

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