Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082521\
Data File : VN068292.D
Acq On : 25 Aug 2021 10:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 26 04:00:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
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 | 99 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 41.456 | 17.1 | 89 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 39.873 | 20.3 | 90 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 41.800 | 16.4# | 93 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 49.904 | 0.2 | 103 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 53.299 | -6.6 | 96 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 44.720 | 10.6 | 101 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 44.997 | 10.0 | 90 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.769 | 6.5 | 104 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.700 | 8.6 | 92 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 240.498 | 3.8 | 104 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 43.497 | 13.0# | 97 | 0.00 |
| 13 | T | Acrolein | 250.000 | 112.077 | 55.2# | 51 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 45.289 | 9.4 | 99 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 235.600 | 5.8 | 99 | 0.00 |
| 16 | T | Acetone | 250.000 | 284.053 | -13.6 | 130 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 42.671 | 14.7 | 92 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 51.063 | -2.1 | 101 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 48.153 | 3.7 | 99 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 49.836 | 0.3 | 100 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 45.170 | 9.7 | 97 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 48.432 | 3.1 | 98 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 240.019 | 4.0 | 96 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 44.915 | 10.2 | 97 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 253.632 | -1.5 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.521 | -1.0 | 106 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 45.893 | 8.2 | 98 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.876 | 4.2 | 102 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 242.324 | 3.1 | 98 | 0.00 |
| 30 | C | Chloroform | 50.000 | 46.271 | 7.5# | 99 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 44.002 | 12.0 | 98 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.909 | 2.2 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.779 | 8.4 | 103 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.811 | -1.6 | 103 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.530 | -1.1 | 97 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.054 | 5.9 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 53.227 | -6.5 | 100 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 58.123 | -16.2 | 108 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.168 | -2.3 | 97 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 51.682 | -3.4 | 100 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.777 | -1.6 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.711 | -3.4 | 97 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.489 | -3.0 | 98 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.599 | -3.2# | 99 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.663 | -3.3 | 100 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.214 | -6.4 | 100 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 58.066 | -16.1 | 106 | 0.00 |

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 26 04:00:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
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 | 1059.551 | -6.0 | 100 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 52.104 | -4.2 | 102 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 270.850 | -8.3 | 100 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.114 | -8.2# | 100 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 56.374 | -12.7 | 100 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.493 | -9.0 | 100 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.558 | -5.1 | 100 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 55.702 | -11.4 | 99 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.969 | -3.9 | 99 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 203.015 | 18.8 | 88 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 283.756 | -13.5 | 101 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 58.002 | -16.0 | 103 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.363 | -8.7 | 99 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 55.509 | -11.0 | 105 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 54.255 | -8.5 | 104 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.884 | -1.8 | 100 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.618 | -9.2 | 102 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.221 | -6.4# | 100 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 109.822 | -9.8 | 101 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.488 | -9.0 | 100 | 0.00 |
| 70 | T | Styrene | 50.000 | 56.208 | -12.4 | 99 | 0.00 |
| 71 | P | Bromoform | 50.000 | 59.084 | -18.2 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.345 | -0.7 | 103 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 47.033 | 5.9 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.307 | 9.4 | 99 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.482 | 1.0 | 105 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.381 | -0.8 | 99 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.055 | -2.1 | 102 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.590 | 2.8 | 100 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.172 | -4.3 | 103 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.436 | -6.9 | 99 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.338 | 1.3 | 100 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.031 | -6.1 | 106 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.774 | -5.5 | 103 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 55.260 | -10.5 | 109 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 57.350 | -14.7 | 108 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.274 | -4.5 | 100 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.036 | -0.1 | 98 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 55.605 | -11.2 | 108 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.530 | -9.1 | 107 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.275 | -2.5 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.406 | 5.2 | 95 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.522 | 5.0 | 98 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 59.160 | -18.3 | 114 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 42.192 | 15.6 | 86 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 47.211 | 5.6 | 97 | 0.00 |

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