Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092524\
Data File : VN084172.D
Acq On : 25 Sep 2024 20:11
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Sep 26 01:37:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.581 | 0.421 | 27.5# | 61 | 0.00 |
| 3 | P | Chloromethane | 0.707 | 0.493 | 30.3# | 69 | 0.00 |
| 4 | C | Vinyl Chloride | 0.636 | 0.519 | 18.4# | 69 | 0.00 |
| 5 | T | Bromomethane | 0.365 | 0.318 | 12.9 | 77 | 0.05 |
| 6 | T | Chloroethane | 0.446 | 0.341 | 23.5 | 69 | 0.04 |
| 7 | T | Trichlorofluoromethane | 1.080 | 0.903 | 16.4 | 74 | 0.03 |
| 8 | T | Diethyl Ether | 0.362 | 0.330 | 8.8 | 78 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.573 | 0.513 | 10.5 | 76 | 0.02 |
| 10 | T | Methyl Iodide | 0.728 | 0.594 | 18.4 | 68 | 0.01 |
| 11 | T | Tert butyl alcohol | 0.101 | 0.107 | -5.9 | 92 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.541 | 0.488 | 9.8# | 76 | 0.01 |
| 13 | T | Acrolein | 0.100 | 0.106 | -6.0 | 88 | 0.01 |
| 14 | T | Allyl chloride | 0.964 | 0.828 | 14.1 | 72 | 0.01 |
| 15 | T | Acrylonitrile | 0.275 | 0.302 | -9.8 | 95 | 0.00 |
| 16 | T | Acetone | 0.302 | 0.247 | 18.2 | 72 | 0.00 |
| 17 | T | Carbon Disulfide | 1.513 | 1.103 | 27.1# | 63 | 0.01 |
| 18 | T | Methyl Acetate | 0.735 | 0.754 | -2.6 | 98 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.957 | 1.852 | 5.4 | 80 | 0.00 |
| 20 | T | Methylene Chloride | 0.618 | 0.584 | 5.5 | 84 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.580 | 0.514 | 11.4 | 77 | 0.01 |
| 22 | T | Diisopropyl ether | 1.984 | 2.047 | -3.2 | 87 | 0.00 |
| 23 | T | Vinyl Acetate | 1.453 | 1.440 | 0.9 | 81 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.143 | 1.103 | 3.5 | 84 | 0.01 |
| 25 | T | 2-Butanone | 0.397 | 0.394 | 0.8 | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.052 | 0.895 | 14.9 | 71 | 0.01 |
| 27 | T | cis-1,2-Dichloroethene | 0.688 | 0.663 | 3.6 | 81 | 0.00 |
| 28 | T | Bromochloromethane | 0.481 | 0.509 | -5.8 | 85 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.235 | 0.256 | -8.9 | 92 | 0.00 |
| 30 | C | Chloroform | 1.213 | 1.169 | 3.6# | 83 | 0.00 |
| 31 | T | Cyclohexane | 1.090 | 0.832 | 23.7 | 71 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.116 | 1.019 | 8.7 | 78 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.754 | 0.782 | -3.7 | 80 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.320 | 0.339 | -5.9 | 88 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.482 | 0.429 | 11.0 | 80 | 0.00 |
| 37 | T | Ethyl Acetate | 0.437 | 0.454 | -3.9 | 87 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.547 | 0.486 | 11.2 | 76 | 0.00 |
| 39 | T | Methylcyclohexane | 0.548 | 0.434 | 20.8 | 67 | 0.00 |
| 40 | TM | Benzene | 1.450 | 1.349 | 7.0 | 82 | 0.00 |
| 41 | T | Methacrylonitrile | 0.259 | 0.265 | -2.3 | 88 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.542 | 0.491 | 9.4 | 79 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.792 | 0.795 | -0.4 | 88 | 0.00 |
| 44 | TM | Trichloroethene | 0.336 | 0.311 | 7.4 | 80 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.348 | 0.6# | 88 | 0.00 |
| 46 | T | Dibromomethane | 0.245 | 0.244 | 0.4 | 84 | 0.00 |
| 47 | T | Bromodichloromethane | 0.531 | 0.534 | -0.6 | 85 | 0.00 |
| 48 | T | Methyl methacrylate | 0.376 | 0.384 | -2.1 | 89 | 0.00 |

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Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Sep 26 01:37:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.006 | 0.006 | 0.0 | 85 | 0.00 |
| 50 | S | Toluene-d8 | 1.107 | 1.216 | -9.8 | 84 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.431 | 0.478 | -10.9 | 95 | 0.00 |
| 52 | CM | Toluene | 0.887 | 0.827 | 6.8# | 80 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.539 | 0.527 | 2.2 | 83 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.566 | 0.561 | 0.9 | 84 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.331 | 0.334 | -0.9 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.509 | 0.557 | -9.4 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.569 | 0.572 | -0.5 | 87 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.184 | 0.228 | -23.9 | 115 | 0.00 |
| 59 | T | 2-Hexanone | 0.319 | 0.343 | -7.5 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 0.371 | 0.395 | -6.5 | 89 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.330 | 0.328 | 0.6 | 87 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.457 | 0.479 | -4.8 | 86 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 64 | T | Tetrachloroethene | 0.333 | 0.295 | 11.4 | 84 | 0.00 |
| 65 | PM | Chlorobenzene | 1.111 | 1.004 | 9.6 | 84 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.385 | 0.366 | 4.9 | 85 | 0.00 |
| 67 | C | Ethyl Benzene | 1.974 | 1.812 | 8.2# | 81 | 0.00 |
| 68 | T | m/p-Xylenes | 0.733 | 0.686 | 6.4 | 83 | 0.00 |
| 69 | T | o-Xylene | 0.710 | 0.649 | 8.6 | 80 | 0.00 |
| 70 | T | Styrene | 1.164 | 1.163 | 0.1 | 85 | 0.00 |
| 71 | P | Bromoform | 0.260 | 0.283 | -8.8 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 3.868 | 3.358 | 13.2 | 81 | 0.00 |
| 74 | T | N-amyl acetate | 1.650 | 1.542 | 6.5 | 87 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.137 | 1.037 | 8.8 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.009 | 1.010 | -0.1 | 104 | 0.00 |
| 77 | T | Bromobenzene | 0.931 | 0.806 | 13.4 | 88 | 0.00 |
| 78 | T | n-propylbenzene | 4.501 | 4.081 | 9.3 | 84 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.870 | 2.477 | 13.7 | 84 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.261 | 2.871 | 12.0 | 82 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.385 | 0.362 | 6.0 | 86 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.880 | 2.572 | 10.7 | 85 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.853 | 2.512 | 12.0 | 82 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.276 | 2.922 | 10.8 | 82 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.784 | 3.497 | 7.6 | 84 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.172 | 2.887 | 9.0 | 82 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.757 | 1.512 | 13.9 | 85 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.779 | 1.517 | 14.7 | 85 | 0.00 |
| 89 | T | n-Butylbenzene | 2.848 | 2.570 | 9.8 | 84 | 0.00 |
| 90 | T | Hexachloroethane | 0.638 | 0.542 | 15.0 | 83 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.696 | 1.459 | 14.0 | 85 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.227 | 0.208 | 8.4 | 86 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.910 | 0.748 | 17.8 | 78 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.386 | 0.316 | 18.1 | 82 | 0.00 |
| 95 | T | Naphthalene | 2.769 | 2.433 | 12.1 | 79 | 0.00 |

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Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Sep 26 01:37:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.870 | 0.737 | 15.3 | 80 | 0.00 |

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