Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
Data File : VX029986.D
Acq On : 11 Jul 2022 09:52
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC020

Quant Time: Jul 12 01:22:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jul 09 02:10:54 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Bromochloromethane | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 2 | M | Dichlorodifluoromethane | 2.051 | 2.099 | -2.3 | 95 | 0.00 |
| 3 | M | Chloromethane | 2.139 | 2.050 | 4.2 | 92 | 0.00 |
| 4 | M | Vinyl Chloride | 2.424 | 2.215 | 8.6 | 90 | 0.00 |
| 5 | M | Bromomethane | 0.999 | 0.895 | 10.4 | 76 | 0.00 |
| 6 | M | Chloroethane | 1.298 | 1.155 | 11.0 | 82 | 0.00 |
| 7 | M | Trichlorofluoromethane | 3.073 | 3.029 | 1.4 | 96 | 0.00 |
| 8 | T | Diethyl Ether | 1.307 | 1.201 | 8.1 | 92 | 0.00 |
| 9 | | 1,1,2-Trichlorotrifluoroeth | 2.069 | 2.063 | 0.3 | 97 | 0.00 |
| 10 | M | 1,1-Dichloroethene | 2.113 | 2.002 | 5.3 | 92 | 0.00 |
| 11 | | Methyl Iodide | 1.752 | 1.203 | 31.3# | 88 | 0.00 |
| 12 | | Methyl Acetate | 3.441 | 3.083 | 10.4 | 89 | 0.00 |
| 13 | M | Acrolein | 0.404 | 0.250 | 38.1# | 64 | 0.00 |
| 14 | M | Acrylonitrile | 1.481 | 1.321 | 10.8 | 86 | 0.00 |
| 15 | M | Acetone | 0.402 | 0.408 | -1.5 | 98 | 0.00 |
| 16 | M | Carbon Disulfide | 5.515 | 5.713 | -3.6 | 104 | 0.00 |
| 17 | | Allyl chloride | 3.723 | 3.512 | 5.7 | 94 | 0.00 |
| 18 | M | Methylene Chloride | 2.461 | 2.313 | 6.0 | 90 | 0.00 |
| 19 | M | trans-1,2-Dichloroethene | 2.293 | 2.159 | 5.8 | 94 | 0.00 |
| 20 | T | Diisopropyl ether | 7.458 | 6.654 | 10.8 | 89 | 0.00 |
| 21 | M | 1,1-Dichloroethane | 4.015 | 3.768 | 6.2 | 92 | 0.00 |
| 22 | M | cis-1,2-Dichloroethene | 2.722 | 2.573 | 5.5 | 94 | 0.00 |
| 23 | M | tert-Butyl Alcohol | 0.678 | 0.494 | 27.1# | 75 | 0.00 |
| 24 | M | Methyl tert-Butyl Ether | 6.815 | 6.326 | 7.2 | 92 | 0.00 |
| 25 | M | Chloroform | 4.002 | 3.752 | 6.2 | 94 | 0.00 |
| 26 | | Cyclohexane | 3.720 | 3.566 | 4.1 | 97 | 0.00 |
| 27 | s | 1,2-Dichloroethane-d4 | 2.446 | 2.254 | 7.8 | 91 | 0.00 |
| 28 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 95 | -0.01 |
| 29 | | 1,1-Dichloropropene | 0.513 | 0.485 | 5.5 | 94 | 0.00 |
| 30 | M | 2-Butanone | 0.346 | 0.321 | 7.2 | 89 | 0.00 |
| 31 | | 2,2-Dichloropropane | 0.491 | 0.491 | 0.0 | 99 | 0.00 |
| 32 | M | 1,1,1-Trichloroethane | 0.552 | 0.553 | -0.2 | 99 | 0.00 |
| 33 | M | Carbon Tetrachloride | 0.463 | 0.495 | -6.9 | 105 | 0.00 |
| 34 | M | Benzene | 1.649 | 1.561 | 5.3 | 90 | 0.00 |
| 35 | | Methacrylonitrile | 0.351 | 0.328 | 6.6 | 92 | 0.00 |
| 36 | M | 1,2-Dichloroethane | 0.502 | 0.468 | 6.8 | 91 | 0.00 |
| 37 | M | Trichloroethene | 0.441 | 0.431 | 2.3 | 95 | 0.00 |
| 38 | | Methylcyclohexane | 0.666 | 0.645 | 3.2 | 95 | 0.00 |
| 39 | M | 1,2-Dichloropropane | 0.420 | 0.398 | 5.2 | 91 | 0.00 |
| 40 | | Dibromomethane | 0.285 | 0.277 | 2.8 | 95 | 0.00 |
| 41 | M | Bromodichloromethane | 0.508 | 0.523 | -3.0 | 100 | 0.00 |
| 42 | M | Vinyl Acetate | 1.108 | 1.005 | 9.3 | 88 | 0.00 |
| 43 | | Ethyl Acetate | 0.653 | 0.587 | 10.1 | 84 | 0.00 |
| 44 | | Isopropyl Acetate | 0.991 | 0.898 | 9.4 | 89 | 0.00 |
| 45 | T | 1,4-Dioxane | 0.012 | 0.010 | 16.7 | 86 | 0.01 |
| 46 | | Methyl methacrylate | 0.470 | 0.421 | 10.4 | 89 | 0.00 |
| 47 | | n-amyl Acetate | 0.852 | 0.722 | 15.3 | 88 | 0.00 |
| 48 | M | t-1,3-Dichloropropene | 0.562 | 0.547 | 2.7 | 100 | 0.00 |

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Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC020

Quant Time: Jul 12 01:22:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jul 09 02:10:54 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | cis-1,3-Dichloropropene | 0.631 | 0.616 | 2.4 | 96 | 0.00 |
| 50 | M | 1,1,2-Trichloroethane | 0.422 | 0.401 | 5.0 | 91 | 0.00 |
| 51 | | Ethyl methacrylate | 0.656 | 0.592 | 9.8 | 90 | 0.00 |
| 52 | | 1,3-Dichloropropane | 0.678 | 0.645 | 4.9 | 92 | 0.00 |
| 53 | M | Dibromochloromethane | 0.390 | 0.433 | -11.0 | 111 | 0.00 |
| 54 | M | 1,2-Dibromoethane | 0.438 | 0.423 | 3.4 | 93 | 0.00 |
| 55 | M | 2-Chloroethyl vinyl ether | 0.338 | 0.298 | 11.8 | 86 | 0.00 |
| 56 | M | Bromoform | 0.273 | 0.321 | -17.6 | 121 | 0.00 |
| 57 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 58 | M | 4-Methyl-2-Pentanone | 0.741 | 0.688 | 7.2 | 88 | 0.00 |
| 59 | M | 2-Hexanone | 0.573 | 0.526 | 8.2 | 87 | 0.00 |
| 60 | S | 4-Bromofluorobenzene | 0.565 | 0.556 | 1.6 | 96 | 0.00 |
| 61 | M | Tetrachloroethene | 0.450 | 0.481 | -6.9 | 97 | 0.00 |
| 62 | M | Toluene | 1.996 | 1.951 | 2.3 | 92 | 0.00 |
| 63 | S | Toluene-d8 | 1.627 | 1.623 | 0.2 | 93 | 0.00 |
| 64 | M | Chlorobenzene | 1.192 | 1.206 | -1.2 | 96 | 0.00 |
| 65 | | 1,1,1,2-Tetrachloroethane | 0.416 | 0.446 | -7.2 | 101 | 0.00 |
| 66 | M | Ethyl Benzene | 2.121 | 2.105 | 0.8 | 94 | 0.00 |
| 67 | M | m/p-Xylenes | 0.823 | 0.833 | -1.2 | 95 | 0.00 |
| 68 | M | o-Xylene | 0.819 | 0.809 | 1.2 | 92 | 0.00 |
| 69 | M | Styrene | 1.356 | 1.351 | 0.4 | 96 | 0.00 |
| 70 | | Isopropylbenzene | 2.063 | 2.068 | -0.2 | 96 | 0.00 |
| 71 | M | 1,1,2,2-Tetrachloroethane | 0.750 | 0.716 | 4.5 | 91 | 0.00 |
| 72 | | 1,2,3-Trichloropropane | 0.674 | 0.588 | 12.8 | 80 | 0.00 |
| 73 | | Bromobenzene | 0.495 | 0.519 | -4.8 | 102 | 0.00 |
| 74 | | n-propylbenzene | 2.475 | 2.526 | -2.1 | 99 | 0.00 |
| 75 | | 2-Chlorotoluene | 1.458 | 1.447 | 0.8 | 95 | 0.00 |
| 76 | | 1,3,5-Trimethylbenzene | 1.732 | 1.718 | 0.8 | 96 | 0.00 |
| 77 | | t-1,4-Dichloro-2-butene | 0.232 | 0.255 | -9.9 | 112 | 0.00 |
| 78 | | 4-Chlorotoluene | 1.636 | 1.626 | 0.6 | 96 | 0.00 |
| 79 | | tert-butylbenzene | 1.685 | 1.645 | 2.4 | 96 | 0.00 |
| 80 | | 1,2,4-Trimethylbenzene | 1.781 | 1.711 | 3.9 | 95 | 0.00 |
| 81 | | sec-Butylbenzene | 2.281 | 2.223 | 2.5 | 95 | 0.00 |
| 82 | | p-Isopropyltoluene | 1.836 | 1.778 | 3.2 | 94 | 0.00 |
| 83 | M | 1,3-Dichlorobenzene | 0.957 | 0.944 | 1.4 | 96 | 0.00 |
| 84 | M | 1,4-Dichlorobenzene | 0.971 | 0.998 | -2.8 | 100 | 0.00 |
| 85 | | n-Butylbenzene | 1.723 | 1.630 | 5.4 | 97 | 0.00 |
| 86 | T | Hexachloroethane | 0.305 | 0.342 | -12.1 | 116 | 0.00 |
| 87 | M | 1,2-Dichlorobenzene | 0.945 | 0.932 | 1.4 | 95 | 0.00 |
| 88 | | 1,2-Dibromo-3-Chloropropane | 0.171 | 0.156 | 8.8 | 91 | 0.00 |
| 89 | | 1,2,4-Trichlorobenzene | 0.585 | 0.592 | -1.2 | 100 | 0.00 |
| 90 | | Hexachlorobutadiene | 0.222 | 0.236 | -6.3 | 109 | 0.00 |
| 91 | M | Naphthalene | 2.333 | 2.246 | 3.7 | 94 | 0.00 |
| 92 | | 1,2,3-Trichlorobenzene | 0.596 | 0.631 | -5.9 | 106 | 0.00 |

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