Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121924\
Data File : VN085264.D
Acq On : 19 Dec 2024 12:32
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC020

Quant Time: Dec 19 17:11:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 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 | Bromochloromethane | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 2 | M | Dichlorodifluoromethane | 2.400 | 2.777 | -15.7 | 107 | 0.00 |
| 3 | M | Chloromethane | 2.124 | 2.306 | -8.6 | 105 | 0.00 |
| 4 | M | Vinyl Chloride | 2.173 | 2.226 | -2.4 | 99 | 0.00 |
| 5 | M | Bromomethane | 1.380 | 1.280 | 7.2 | 91 | 0.00 |
| 6 | M | Chloroethane | 1.335 | 1.399 | -4.8 | 102 | 0.00 |
| 7 | M | Trichlorofluoromethane | 3.557 | 3.586 | -0.8 | 99 | 0.00 |
| 8 | T | Diethyl Ether | 1.127 | 1.143 | -1.4 | 104 | 0.00 |
| 9 | | 1,1,2-Trichlorotrifluoroeth | 1.989 | 2.005 | -0.8 | 99 | 0.00 |
| 10 | M | 1,1-Dichloroethene | 1.827 | 1.729 | 5.4 | 94 | 0.00 |
| 11 | | Methyl Iodide | 2.534 | 2.007 | 20.8 | 81 | 0.00 |
| 12 | | Methyl Acetate | 2.155 | 2.680 | -24.4 | 124 | 0.00 |
| 13 | M | Acrolein | 0.313 | 0.244 | 22.0 | 91 | 0.00 |
| 14 | M | Acrylonitrile | 0.895 | 0.973 | -8.7 | 111 | 0.00 |
| 15 | M | Acetone | 0.243 | 0.264 | -8.6 | 110 | 0.00 |
| 16 | M | Carbon Disulfide | 5.461 | 5.517 | -1.0 | 98 | 0.00 |
| 17 | | Allyl chloride | 2.614 | 2.803 | -7.2 | 111 | 0.00 |
| 18 | M | Methylene Chloride | 2.073 | 2.121 | -2.3 | 100 | 0.00 |
| 19 | M | trans-1,2-Dichloroethene | 1.899 | 1.910 | -0.6 | 101 | 0.00 |
| 20 | T | Diisopropyl ether | 5.737 | 6.636 | -15.7 | 111 | 0.00 |
| 21 | M | 1,1-Dichloroethane | 3.541 | 3.937 | -11.2 | 110 | 0.00 |
| 22 | M | cis-1,2-Dichloroethene | 2.183 | 2.139 | 2.0 | 96 | 0.00 |
| 23 | M | tert-Butyl Alcohol | 0.321 | 0.310 | 3.4 | 100 | 0.00 |
| 24 | M | Methyl tert-Butyl Ether | 5.708 | 5.888 | -3.2 | 103 | 0.00 |
| 25 | M | Chloroform | 3.710 | 4.184 | -12.8 | 110 | 0.00 |
| 26 | | Cyclohexane | 2.916 | 3.072 | -5.3 | 100 | 0.00 |
| 27 | s | 1,2-Dichloroethane-d4 | 2.380 | 2.777 | -16.7 | 110 | 0.00 |
| 28 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 29 | | 1,1-Dichloropropene | 0.484 | 0.569 | -17.6 | 107 | 0.00 |
| 30 | M | 2-Butanone | 0.222 | 0.279 | -25.7# | 116 | 0.00 |
| 31 | | 2,2-Dichloropropane | 0.621 | 0.716 | -15.3 | 106 | 0.00 |
| 32 | M | 1,1,1-Trichloroethane | 0.655 | 0.766 | -16.9 | 104 | 0.00 |
| 33 | M | Carbon Tetrachloride | 0.591 | 0.645 | -9.1 | 99 | 0.00 |
| 34 | M | Benzene | 1.521 | 1.763 | -15.9 | 106 | 0.00 |
| 35 | | Methacrylonitrile | 0.250 | 0.324 | -29.6# | 117 | 0.00 |
| 36 | M | 1,2-Dichloroethane | 0.518 | 0.660 | -27.4# | 118 | 0.00 |
| 37 | M | Trichloroethene | 0.362 | 0.379 | -4.7 | 96 | 0.00 |
| 38 | | Methylcyclohexane | 0.526 | 0.530 | -0.8 | 99 | 0.00 |
| 39 | M | 1,2-Dichloropropane | 0.368 | 0.444 | -20.7 | 108 | 0.00 |
| 40 | | Dibromomethane | 0.264 | 0.310 | -17.4 | 105 | 0.00 |
| 41 | M | Bromodichloromethane | 0.565 | 0.663 | -17.3 | 108 | 0.00 |
| 42 | M | Vinyl Acetate | 0.777 | 0.993 | -27.8# | 120 | 0.00 |
| 43 | | Ethyl Acetate | 0.442 | 0.617 | -39.6# | 138 | 0.00 |
| 44 | | Isopropyl Acetate | 0.768 | 0.976 | -27.1# | 118 | 0.00 |
| 45 | T | 1,4-Dioxane | 0.006 | 0.007 | -16.7 | 103 | 0.00 |
| 46 | | Methyl methacrylate | 0.352 | 0.453 | -28.7# | 119 | 0.00 |
| 47 | | n-amyl Acetate | 0.646 | 0.820 | -26.9# | 120 | 0.00 |
| 48 | M | t-1,3-Dichloropropene | 0.554 | 0.625 | -12.8 | 109 | 0.00 |

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Data File : VN085264.D
Acq On : 19 Dec 2024 12:32
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC020

Quant Time: Dec 19 17:11:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 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 | cis-1,3-Dichloropropene | 0.604 | 0.676 | -11.9 | 103 | 0.00 |
| 50 | M | 1,1,2-Trichloroethane | 0.356 | 0.406 | -14.0 | 103 | 0.00 |
| 51 | | Ethyl methacrylate | 0.542 | 0.562 | -3.7 | 100 | 0.00 |
| 52 | | 1,3-Dichloropropane | 0.596 | 0.706 | -18.5 | 109 | 0.00 |
| 53 | M | Dibromochloromethane | 0.434 | 0.480 | -10.6 | 102 | 0.00 |
| 54 | M | 1,2-Dibromoethane | 0.359 | 0.394 | -9.7 | 102 | 0.00 |
| 55 | M | 2-Chloroethyl vinyl ether | 0.252 | 0.300 | -19.0 | 109 | 0.00 |
| 56 | M | Bromoform | 0.291 | 0.305 | -4.8 | 100 | 0.00 |
| 57 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 58 | M | 4-Methyl-2-Pentanone | 0.490 | 0.631 | -28.8# | 119 | 0.00 |
| 59 | M | 2-Hexanone | 0.371 | 0.459 | -23.7 | 114 | 0.00 |
| 60 | S | 4-Bromofluorobenzene | 0.496 | 0.505 | -1.8 | 95 | 0.00 |
| 61 | M | Tetrachloroethene | 0.363 | 0.356 | 1.9 | 93 | 0.00 |
| 62 | M | Toluene | 1.750 | 1.950 | -11.4 | 106 | 0.00 |
| 63 | S | Toluene-d8 | 1.407 | 1.504 | -6.9 | 97 | 0.00 |
| 64 | M | Chlorobenzene | 1.080 | 1.105 | -2.3 | 98 | 0.00 |
| 65 | | 1,1,1,2-Tetrachloroethane | 0.403 | 0.427 | -6.0 | 104 | 0.00 |
| 66 | M | Ethyl Benzene | 1.857 | 1.922 | -3.5 | 103 | 0.00 |
| 67 | M | m/p-Xylenes | 0.714 | 0.767 | -7.4 | 100 | 0.00 |
| 68 | M | o-Xylene | 0.671 | 0.688 | -2.5 | 99 | 0.00 |
| 69 | M | Styrene | 1.138 | 1.201 | -5.5 | 102 | 0.00 |
| 70 | | Isopropylbenzene | 1.730 | 1.760 | -1.7 | 99 | 0.00 |
| 71 | M | 1,1,2,2-Tetrachloroethane | 0.526 | 0.609 | -15.8 | 107 | 0.00 |
| 72 | | 1,2,3-Trichloropropane | 0.520 | 0.582 | -11.9 | 102 | 0.00 |
| 73 | | Bromobenzene | 0.433 | 0.455 | -5.1 | 101 | 0.00 |
| 74 | | n-propylbenzene | 2.079 | 2.219 | -6.7 | 102 | 0.00 |
| 75 | | 2-Chlorotoluene | 1.286 | 1.376 | -7.0 | 101 | 0.00 |
| 76 | | 1,3,5-Trimethylbenzene | 1.482 | 1.580 | -6.6 | 102 | 0.00 |
| 77 | | t-1,4-Dichloro-2-butene | 0.189 | 0.204 | -7.9 | 106 | 0.00 |
| 78 | | 4-Chlorotoluene | 1.305 | 1.398 | -7.1 | 103 | 0.00 |
| 79 | | tert-butylbenzene | 1.217 | 1.189 | 2.3 | 95 | 0.00 |
| 80 | | 1,2,4-Trimethylbenzene | 1.464 | 1.561 | -6.6 | 102 | 0.00 |
| 81 | | sec-Butylbenzene | 1.729 | 1.795 | -3.8 | 100 | 0.00 |
| 82 | | p-Isopropyltoluene | 1.434 | 1.497 | -4.4 | 102 | 0.00 |
| 83 | M | 1,3-Dichlorobenzene | 0.795 | 0.849 | -6.8 | 103 | 0.00 |
| 84 | M | 1,4-Dichlorobenzene | 0.775 | 0.791 | -2.1 | 100 | 0.00 |
| 85 | | n-Butylbenzene | 1.203 | 1.230 | -2.2 | 106 | 0.00 |
| 86 | T | Hexachloroethane | 0.285 | 0.326 | -14.4 | 111 | 0.00 |
| 87 | M | 1,2-Dichlorobenzene | 0.750 | 0.810 | -8.0 | 105 | 0.00 |
| 88 | | 1,2-Dibromo-3-Chloropropane | 0.105 | 0.125 | -19.0 | 113 | 0.00 |
| 89 | | 1,2,4-Trichlorobenzene | 0.367 | 0.346 | 5.7 | 94 | 0.00 |
| 90 | | Hexachlorobutadiene | 0.191 | 0.185 | 3.1 | 94 | 0.00 |
| 91 | M | Naphthalene | 1.142 | 1.034 | 9.5 | 99 | 0.00 |
| 92 | | 1,2,3-Trichlorobenzene | 0.367 | 0.346 | 5.7 | 94 | 0.00 |

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