

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060223\
 Data File : VN078019.D
 Acq On : 02 Jun 2023 09:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleID :
 VSTDCCC050

Quant Time: Jun 05 01:12:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 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 | 91 | 0.00 |
| 2 T | Dichlorodifluoromethane | 50.000 | 38.365 | 23.3 | 66 | 0.00 |
| 3 P | Chloromethane | 50.000 | 41.072 | 17.9 | 74 | 0.00 |
| 4 C | Vinyl Chloride | 50.000 | 44.596 | 10.8# | 80 | 0.01 |
| 5 T | Bromomethane | 50.000 | 44.828 | 10.3 | 86 | 0.01 |
| 6 T | Chloroethane | 50.000 | 46.027 | 7.9 | 87 | 0.00 |
| 7 T | Trichlorofluoromethane | 50.000 | 47.540 | 4.9 | 87 | 0.00 |
| 8 T | Diethyl Ether | 50.000 | 47.800 | 4.4 | 89 | 0.00 |
| 9 T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.605 | 2.8 | 90 | 0.00 |
| 10 T | Methyl Iodide | 50.000 | 53.415 | -6.8 | 97 | 0.00 |
| 11 T | Tert butyl alcohol | 250.000 | 216.145 | 13.5 | 81 | 0.00 |
| 12 CM | 1,1-Dichloroethene | 50.000 | 48.227 | 3.5# | 88 | 0.00 |
| 13 T | Acrolein | 250.000 | 141.489 | 43.4# | 53 | 0.00 |
| 14 T | Allyl chloride | 50.000 | 46.184 | 7.6 | 90 | 0.00 |
| 15 T | Acrylonitrile | 250.000 | 229.135 | 8.3 | 85 | 0.00 |
| 16 T | Acetone | 250.000 | 285.270 | -14.1 | 112 | 0.00 |
| 17 T | Carbon Disulfide | 50.000 | 42.071 | 15.9 | 81 | 0.00 |
| 18 T | Methyl Acetate | 50.000 | 46.994 | 6.0 | 88 | 0.00 |
| 19 T | Methyl tert-butyl Ether | 50.000 | 48.953 | 2.1 | 89 | 0.00 |
| 20 T | Methylene Chloride | 50.000 | 51.387 | -2.8 | 93 | 0.00 |
| 21 T | trans-1,2-Dichloroethene | 50.000 | 47.906 | 4.2 | 88 | 0.00 |
| 22 T | Diisopropyl ether | 50.000 | 49.968 | 0.1 | 93 | 0.00 |
| 23 T | Vinyl Acetate | 250.000 | 231.036 | 7.6 | 84 | 0.00 |
| 24 P | 1,1-Dichloroethane | 50.000 | 50.634 | -1.3 | 93 | 0.00 |
| 25 T | 2-Butanone | 250.000 | 236.562 | 5.4 | 90 | 0.00 |
| 26 T | 2,2-Dichloropropane | 50.000 | 53.317 | -6.6 | 92 | 0.00 |
| 27 T | cis-1,2-Dichloroethene | 50.000 | 50.362 | -0.7 | 92 | 0.00 |
| 28 T | Bromochloromethane | 50.000 | 49.940 | 0.1 | 91 | 0.00 |
| 29 T | Tetrahydrofuran | 250.000 | 216.759 | 13.3 | 82 | 0.00 |
| 30 C | Chloroform | 50.000 | 50.524 | -1.0# | 95 | 0.00 |
| 31 T | Cyclohexane | 50.000 | 41.447 | 17.1 | 80 | 0.00 |
| 32 T | 1,1,1-Trichloroethane | 50.000 | 51.264 | -2.5 | 92 | 0.00 |
| 33 S | 1,2-Dichloroethane-d4 | 50.000 | 48.807 | 2.4 | 89 | 0.00 |
| 34 I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 35 S | Dibromofluoromethane | 50.000 | 54.628 | -9.3 | 92 | 0.00 |
| 36 T | 1,1-Dichloropropene | 50.000 | 52.651 | -5.3 | 90 | 0.00 |
| 37 T | Ethyl Acetate | 50.000 | 45.013 | 10.0 | 82 | 0.00 |
| 38 T | Carbon Tetrachloride | 50.000 | 55.391 | -10.8 | 93 | 0.00 |
| 39 T | Methylcyclohexane | 50.000 | 41.321 | 17.4 | 70 | 0.00 |
| 40 TM | Benzene | 50.000 | 53.605 | -7.2 | 93 | 0.00 |
| 41 T | Methacrylonitrile | 50.000 | 45.460 | 9.1 | 82 | 0.00 |
| 42 TM | 1,2-Dichloroethane | 50.000 | 51.667 | -3.3 | 92 | 0.00 |
| 43 T | Isopropyl Acetate | 50.000 | 48.511 | 3.0 | 86 | 0.00 |
| 44 TM | Trichloroethene | 50.000 | 53.872 | -7.7 | 94 | 0.00 |
| 45 C | 1,2-Dichloropropane | 50.000 | 54.088 | -8.2# | 93 | 0.00 |
| 46 T | Dibromomethane | 50.000 | 52.392 | -4.8 | 94 | 0.00 |
| 47 T | Bromodichloromethane | 50.000 | 56.531 | -13.1 | 96 | 0.00 |
| 48 T | Methyl methacrylate | 50.000 | 48.235 | 3.5 | 83 | 0.00 |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampled :
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
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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 | 953.642 | 4.6 | 83 | 0.00 |
| 50 S | Toluene-d8 | 50.000 | 51.801 | -3.6 | 87 | 0.00 |
| 51 T | 4-Methyl-2-Pentanone | 250.000 | 243.207 | 2.7 | 84 | 0.00 |
| 52 CM | Toluene | 50.000 | 55.366 | -10.7# | 93 | 0.00 |
| 53 T | t-1,3-Dichloropropene | 50.000 | 55.617 | -11.2 | 93 | 0.00 |
| 54 T | cis-1,3-Dichloropropene | 50.000 | 55.563 | -11.1 | 93 | 0.00 |
| 55 T | 1,1,2-Trichloroethane | 50.000 | 53.366 | -6.7 | 94 | 0.00 |
| 56 T | Ethyl methacrylate | 50.000 | 51.181 | -2.4 | 87 | 0.00 |
| 57 T | 1,3-Dichloropropane | 50.000 | 52.160 | -4.3 | 90 | 0.00 |
| 58 T | 2-Chloroethyl Vinyl ether | 250.000 | 197.599 | 21.0 | 68 | 0.00 |
| 59 T | 2-Hexanone | 250.000 | 235.698 | 5.7 | 82 | 0.00 |
| 60 T | Dibromochloromethane | 50.000 | 58.048 | -16.1 | 97 | 0.00 |
| 61 T | 1,2-Dibromoethane | 50.000 | 54.488 | -9.0 | 91 | 0.00 |
| 62 S | 4-Bromofluorobenzene | 50.000 | 49.779 | 0.4 | 86 | 0.00 |
| 63 I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 64 T | Tetrachloroethene | 50.000 | 58.010 | -16.0 | 102 | 0.00 |
| 65 PM | Chlorobenzene | 50.000 | 53.491 | -7.0 | 93 | 0.00 |
| 66 T | 1,1,1,2-Tetrachloroethane | 50.000 | 60.376 | -20.8 | 99 | 0.00 |
| 67 C | Ethyl Benzene | 50.000 | 53.571 | -7.1# | 90 | 0.00 |
| 68 T | m/p-Xylenes | 100.000 | 108.741 | -8.7 | 92 | 0.00 |
| 69 T | o-Xylene | 50.000 | 54.500 | -9.0 | 91 | 0.00 |
| 70 T | Styrene | 50.000 | 55.465 | -10.9 | 92 | 0.00 |
| 71 P | Bromoform | 50.000 | 58.726 | -17.5 | 92 | 0.00 |
| 72 I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 82 | 0.00 |
| 73 T | Isopropylbenzene | 50.000 | 54.930 | -9.9 | 88 | 0.00 |
| 74 T | N-amyl acetate | 50.000 | 45.650 | 8.7 | 76 | 0.00 |
| 75 P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.463 | -2.9 | 88 | 0.00 |
| 76 T | 1,2,3-Trichloropropane | 50.000 | 45.003 | 10.0 | 76 | 0.00 |
| 77 T | Bromobenzene | 50.000 | 54.140 | -8.3 | 92 | 0.00 |
| 78 T | n-propylbenzene | 50.000 | 53.084 | -6.2 | 87 | 0.00 |
| 79 T | 2-Chlorotoluene | 50.000 | 54.464 | -8.9 | 90 | 0.00 |
| 80 T | 1,3,5-Trimethylbenzene | 50.000 | 53.138 | -6.3 | 87 | 0.00 |
| 81 T | trans-1,4-Dichloro-2-butene | 50.000 | 50.900 | -1.8 | 83 | 0.00 |
| 82 T | 4-Chlorotoluene | 50.000 | 52.130 | -4.3 | 88 | 0.00 |
| 83 T | tert-Butylbenzene | 50.000 | 50.866 | -1.7 | 82 | 0.00 |
| 84 T | 1,2,4-Trimethylbenzene | 50.000 | 54.264 | -8.5 | 89 | 0.00 |
| 85 T | sec-Butylbenzene | 50.000 | 47.424 | 5.2 | 76 | 0.00 |
| 86 T | p-Isopropyltoluene | 50.000 | 48.728 | 2.5 | 77 | 0.00 |
| 87 T | 1,3-Dichlorobenzene | 50.000 | 51.769 | -3.5 | 87 | 0.00 |
| 88 T | 1,4-Dichlorobenzene | 50.000 | 50.441 | -0.9 | 85 | 0.00 |
| 89 T | n-Butylbenzene | 50.000 | 42.908 | 14.2 | 69 | 0.00 |
| 90 T | Hexachloroethane | 50.000 | 51.968 | -3.9 | 79 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 54.314 | -8.6 | 89 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 43.140 | 13.7 | 73 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 36.418 | 27.2# | 61 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 37.187 | 25.6# | 59 | 0.00 |
| 95 T | Naphthalene | 50.000 | 32.634 | 34.7# | 56 | 0.00 |

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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) |
|-----------------------------|--------|--------|-------|-------|----------|
| 96 T 1,2,3-Trichlorobenzene | 50.000 | 36.873 | 26.3# | 61 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6