

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042224\  
 Data File : VU058766.D  
 Acq On : 22 Apr 2024 12:49  
 Operator : MD/SY  
 Sample : VSTD01059  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010059

Quant Time: Apr 22 23:39:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Apr 22 23:37:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114  | 100373   | 5.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117  | 94881    | 5.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152  | 47047    | 5.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65   | 83072    | 11.871  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.907  | 69   | 62060    | 10.544  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65   | 42641    | 13.101  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 4.624  | 46   | 158163   | 110.702 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.052  | 84   | 171951   | 12.217  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.688  | 65   | 82993    | 12.437  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.717  | 84   | 330353   | 12.231  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67   | 97481    | 11.654  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.888  | 98   | 296446   | 12.315  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79   | 36958    | 13.670  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.624  | 63   | 114760   | 110.244 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84   | 59733    | 10.260  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.183 | 152  | 90181    | 10.995  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.377  | 85   | 114215   | 12.633  | ug/L  | 99       |
| 3) Chloromethane              | 1.512  | 50   | 88280    | 8.768   | ug/L  | 99       |
| 5) Vinyl chloride             | 1.595  | 62   | 88419    | 8.783   | ug/L  | 99       |
| 6) Bromomethane               | 1.849  | 94   | 54134    | 10.825  | ug/L  | 94       |
| 8) Chloroethane               | 1.927  | 64   | 50499    | 8.063   | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.132  | 101  | 140739   | 10.273  | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 84748    | 10.352  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.570  | 96   | 77608    | 10.687  | ug/L  | 91       |
| 13) Acetone                   | 2.647  | 43   | 102552   | 87.248  | ug/L  | 98       |
| 14) Carbon disulfide          | 2.785  | 76   | 259149   | 11.023  | ug/L  | 99       |
| 15) Methyl Acetate            | 2.949  | 43   | 25651    | 9.298   | ug/L  | 98       |
| 16) Methylene chloride        | 3.033  | 84   | 81990    | 8.808   | ug/L  | 97       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73   | 179838   | 10.545  | ug/L  | 98       |
| 18) trans-1,2-Dichloroethene  | 3.341  | 96   | 79999    | 10.597  | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.856  | 63   | 164666   | 10.015  | ug/L  | 99       |
| 21) 2-Butanone                | 4.705  | 43   | 163091   | 92.761  | ug/L  | 96       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96   | 86814    | 10.309  | ug/L  | 99       |
| 23) Bromochloromethane        | 4.962  | 128  | 32962    | 9.926   | ug/L  | 97       |
| 25) Chloroform                | 5.074  | 83   | 166828   | 10.387  | ug/L  | 95       |
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 102104   | 10.484  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 150220   | 11.327  | ug/L  | 99       |
| 30) Cyclohexane               | 5.377  | 56   | 145706   | 10.641  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 134085   | 11.836  | ug/L  | 98       |
| 33) Benzene                   | 5.762  | 78   | 354810   | 10.221  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 93649    | 10.548  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.753  | 83   | 148658   | 11.149  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.778  | 63   | 89980    | 9.921   | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 112311   | 10.634  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 130731   | 11.049  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 422853   | 99.704  | ug/L  | 100      |
| 42) Toluene                   | 7.962  | 91   | 374902   | 10.297  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 102302   | 11.037  | ug/L  | 99       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 54388    | 10.219  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.544  | 164  | 66801    | 10.332  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.675  | 43   | 300441   | 100.177 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.801  | 129  | 63462    | 10.301  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.913  | 107  | 48611    | 9.971   | ug/L  | 93       |
| 51) Chlorobenzene             | 9.438  | 112  | 220176   | 10.018  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.563  | 91   | 416578   | 10.727  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 153985   | 11.085  | ug/L  | 98       |
| 54) o-Xylene                  | 10.093 | 106  | 147866   | 10.921  | ug/L  | 98       |
| 55) Styrene                   | 10.106 | 104  | 246054   | 11.210  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 61830    | 9.539   | ug/L  | 99       |
| 59) Bromoform                 | 10.283 | 173  | 34516    | 10.881  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.476 | 105  | 411182   | 11.670  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 45048    | 9.528   | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 348035   | 12.082  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 341744   | 11.751  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.736 | 146  | 173377   | 10.333  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 168225   | 10.273  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 149063   | 9.843   | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 9333     | 11.215  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 126970   | 10.271  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 93058    | 9.823   | ug/L  | 99       |
| 71) Naphthalene               | 14.080 | 128  | 114696   | 8.915   | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 73107    | 9.395   | ug/L  | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

