

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092624\  
 Data File : VV037538.D  
 Acq On : 26 Sep 2024 11:18  
 Operator : SY/MD  
 Sample : VSTD00505  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005205

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/30/2024  
 Supervised By : Mahesh Dadoda 09/30/2024

Quant Time: Sep 27 00:17:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 27 00:13:08 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114  | 654543   | 50.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117  | 622698   | 50.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152  | 317678   | 50.000 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 24694    | 4.298  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 19659    | 4.408  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65   | 10448    | 4.352  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.822  | 46   | 20461m   | 10.222 | ug/L  | 0.03     |
| 24) Chloroform-d              | 4.249  | 84   | 47820    | 4.678  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65   | 28910    | 4.832  | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.957  | 84   | 86405    | 4.434  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67   | 28010m   | 4.368  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.246  | 98   | 75093    | 4.250  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79   | 13016    | 4.516  | ug/L  | 0.01     |
| 47) 2-Hexanone-d5             | 8.047  | 63   | 11155m   | 8.857  | ug/L  | 0.03     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84   | 37209    | 5.161  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152  | 33117    | 4.947  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 29470    | 5.289  | ug/L  | 96       |
| 3) Chloromethane              | 1.217  | 50   | 28026    | 5.181  | ug/L  | 93       |
| 5) Vinyl chloride             | 1.285  | 62   | 31080    | 5.359  | ug/L  | 98       |
| 6) Bromomethane               | 1.487  | 94   | 16819    | 5.226  | ug/L  | 92       |
| 8) Chloroethane               | 1.548  | 64   | 19532    | 5.464  | ug/L  | 97       |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 41757    | 5.349  | ug/L  | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 24910    | 5.340  | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 23188    | 5.321  | ug/L  | 85       |
| 13) Acetone                   | 2.114  | 43   | 23468    | 11.697 | ug/L  | 93       |
| 14) Carbon disulfide          | 2.240  | 76   | 76912    | 5.654  | ug/L  | 99       |
| 15) Methyl Acetate            | 2.372  | 43   | 19278    | 5.506  | ug/L  | 100      |
| 16) Methylene chloride        | 2.446  | 84   | 27241    | 5.521  | ug/L  | 96       |
| 17) trans-1,2-Dichloroethene  | 2.690  | 96   | 25252    | 5.478  | ug/L  | 95       |
| 18) Methyl tert-butyl Ether   | 2.703  | 73   | 69326    | 5.242  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.105  | 63   | 47383    | 5.365  | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 3.812  | 96   | 26043    | 5.048  | ug/L  | 92       |
| 22) 2-Butanone                | 3.899  | 43   | 23977m   | 11.116 | ug/L  |          |
| 23) Bromochloromethane        | 4.150  | 128  | 13760    | 5.156  | ug/L  | 94       |
| 25) Chloroform                | 4.275  | 83   | 48937    | 5.351  | ug/L  | 93       |
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 33987    | 5.265  | ug/L  | 97       |
| 29) Cyclohexane               | 4.574  | 56   | 34973    | 4.947  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 40434    | 5.272  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 35461    | 5.318  | ug/L  | 95       |
| 33) Benzene                   | 5.008  | 78   | 95642    | 5.093  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 25803    | 5.159  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.043  | 83   | 38520    | 5.007  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 24073    | 4.964  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.433  | 83   | 31702    | 4.890  | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 35705    | 4.612  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.166  | 43   | 37550m   | 9.681  | ug/L  |          |
| 42) Toluene                   | 7.317  | 91   | 93423    | 4.799  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 31267    | 4.486  | ug/L  | 96       |

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| -----                         |        |      |          |        |       |          |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 24160    | 5.188  | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.902  | 164  | 19916    | 5.208  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.088  | 43   | 30387m   | 10.556 | ug/L  |          |
| 49) Dibromochloromethane      | 8.172  | 129  | 25036    | 5.080  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.285  | 107  | 24901    | 5.173  | ug/L  | 89       |
| 51) Chlorobenzene             | 8.812  | 112  | 69000    | 5.202  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.944  | 91   | 107134   | 4.889  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.072  | 106  | 37376    | 4.583  | ug/L  | 97       |
| 54) o-Xylene                  | 9.474  | 106  | 36567    | 4.592  | ug/L  | 99       |
| 55) Styrene                   | 9.497  | 104  | 61211    | 4.416  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 34050    | 5.245  | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 15867    | 5.110  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.863  | 105  | 101369   | 4.908  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 25210    | 5.577  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 73999    | 4.532  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 72435    | 4.458  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 51358    | 5.166  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 53410    | 5.160  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 51181    | 5.208  | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 5881     | 5.359  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 35799    | 5.237  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.198 | 180  | 32710    | 5.157  | ug/L  | 97       |
| 71) Naphthalene               | 13.439 | 128  | 81900    | 4.942  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.677 | 180  | 32626    | 5.209  | ug/L  | 98       |
| -----                         |        |      |          |        |       |          |

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

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