

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092624\  
 Data File : VV037534.D  
 Acq On : 26 Sep 2024 08:46  
 Operator : SY/MD  
 Sample : VSTD01001  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010201

Quant Time: Sep 27 00:14:34 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

### Manual Integrations APPROVED

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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114  | 692933   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117  | 661327   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152  | 341786   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.282  | 65   | 60150    | 9.888  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 45929    | 9.727  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65   | 24675    | 9.709  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.809  | 46   | 36819m   | 17.376 | ug/L   | 0.02     |
| 24) Chloroform-d              | 4.246  | 84   | 101589   | 9.387  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65   | 60206    | 9.505  | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.957  | 84   | 197576   | 9.547  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67   | 64229    | 9.431  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.239  | 98   | 172737   | 9.205  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79   | 25586    | 8.358  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.040  | 63   | 21255m   | 15.891 | ug/L   | 0.02     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84   | 68805    | 8.986  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152  | 66625    | 9.251  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 54958    | 9.316  | ug/L   | 98       |
| 3) Chloromethane              | 1.217  | 50   | 54432    | 9.504  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285  | 62   | 56383    | 9.183  | ug/L   | 96       |
| 6) Bromomethane               | 1.487  | 94   | 30442    | 8.934  | ug/L   | 99       |
| 8) Chloroethane               | 1.552  | 64   | 34868    | 9.214  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.716  | 101  | 76863    | 9.300  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 46731    | 9.462  | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.072  | 96   | 42421    | 9.196  | ug/L   | 86       |
| 13) Acetone                   | 2.114  | 43   | 40215    | 18.934 | ug/L   | 99       |
| 14) Carbon disulfide          | 2.243  | 76   | 129703   | 9.007  | ug/L   | 100      |
| 15) Methyl Acetate            | 2.375  | 43   | 32466    | 8.759  | ug/L   | 97       |
| 16) Methylene chloride        | 2.445  | 84   | 49702    | 9.515  | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 2.693  | 96   | 44299    | 9.077  | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.706  | 73   | 125836   | 8.987  | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.108  | 63   | 88316    | 9.445  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.812  | 96   | 47584    | 8.713  | ug/L   | 98       |
| 22) 2-Butanone                | 3.892  | 43   | 40526m   | 17.748 | ug/L   |          |
| 23) Bromochloromethane        | 4.143  | 128  | 26566    | 9.404  | ug/L   | 97       |
| 25) Chloroform                | 4.275  | 83   | 91264    | 9.427  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 60774    | 8.892  | ug/L   | 97       |
| 29) Cyclohexane               | 4.574  | 56   | 66626    | 8.873  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 4.507  | 97   | 74820    | 9.186  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 63659    | 8.990  | ug/L   | 98       |
| 33) Benzene                   | 5.008  | 78   | 182189   | 9.135  | ug/L   | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 48436    | 9.119  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.043  | 83   | 71161    | 8.709  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 46904    | 9.107  | ug/L # | 97       |
| 38) Bromodichloromethane      | 6.432  | 83   | 64800    | 9.412  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 6.957  | 75   | 68645    | 8.350  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 70249m   | 17.053 | ug/L   |          |
| 42) Toluene                   | 7.313  | 91   | 182597   | 8.831  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.584  | 75   | 61303    | 8.282  | ug/L   | 99       |

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Manual Integrations  
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|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 44748    | 9.048  | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.902  | 164  | 37689    | 9.281  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.082  | 43   | 57149m   | 18.693 | ug/L  |          |
| 49) Dibromochloromethane      | 8.172  | 129  | 45437    | 8.681  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 45626    | 8.925  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.812  | 112  | 129897   | 9.221  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.944  | 91   | 199174   | 8.558  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 72663    | 8.389  | ug/L  | 97       |
| 54) o-Xylene                  | 9.474  | 106  | 70809    | 8.373  | ug/L  | 95       |
| 55) Styrene                   | 9.493  | 104  | 119940   | 8.147  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 63393    | 9.194  | ug/L  | 100      |
| 59) Bromoform                 | 9.661  | 173  | 29544    | 8.844  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.860  | 105  | 192727   | 8.673  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 45196    | 9.293  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 142569   | 8.115  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 138516   | 7.924  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 95788    | 8.956  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 104495   | 9.382  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 97020    | 9.176  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 10258    | 8.689  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 62795    | 8.538  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 55352    | 8.111  | ug/L  | 99       |
| 71) Naphthalene               | 13.435 | 128  | 133371   | 7.480  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 55447    | 8.228  | ug/L  | 95       |
| -----                         |        |      |          |        |       |          |

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

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