

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041724\  
 Data File : VX041124.D  
 Acq On : 17 Apr 2024 14:14  
 Operator : JC/MD  
 Sample : VSTD10077  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD100677

Quant Time: Apr 18 01:28:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041724WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 18 01:26:34 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 04/18/2024  
 Supervised By : Mahesh Dadoda 04/18/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.763  | 114  | 304073   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 282200   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152  | 160189   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.368  | 65   | 218993   | 100.650 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.648  | 69   | 106966   | 100.009 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.294  | 65   | 92693    | 99.440  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.471  | 46   | 252036   | 202.914 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.056  | 84   | 411865   | 102.842 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.952  | 65   | 252068   | 99.048  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.970  | 84   | 823307   | 101.284 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.305  | 67   | 237305   | 100.856 | ug/L  | 0.00     |
| 41) Toluene-d8                | 8.647  | 98   | 766992   | 100.584 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.952  | 79   | 116102   | 110.302 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 9.390  | 63   | 204844   | 214.434 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189 | 84   | 352157   | 102.584 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.317 | 152  | 346087   | 100.463 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85   | 193687   | 101.801 | ug/L  | 100      |
| 3) Chloromethane              | 1.300  | 50   | 184416   | 101.254 | ug/L  | 100      |
| 5) Vinyl chloride             | 1.374  | 62   | 201299   | 102.578 | ug/L  | 100      |
| 6) Bromomethane               | 1.599  | 94   | 103578   | 100.726 | ug/L  | 100      |
| 8) Chloroethane               | 1.666  | 64   | 74798m   | 101.852 | ug/L  |          |
| 9) Trichlorofluoromethane     | 1.855  | 101  | 290100   | 98.587  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.312  | 101  | 203872   | 102.287 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.306  | 96   | 175866   | 103.279 | ug/L  | 99       |
| 13) Acetone                   | 2.398  | 43   | 196480   | 197.214 | ug/L  | 99       |
| 14) Carbon disulfide          | 2.495  | 76   | 372945   | 112.547 | ug/L  | 100      |
| 15) Methyl Acetate            | 2.709  | 43   | 215623   | 101.883 | ug/L  | 100      |
| 16) Methylene chloride        | 2.782  | 84   | 193568   | 103.050 | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 3.081  | 96   | 178721   | 103.866 | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 3.123  | 73   | 618879   | 104.477 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.605  | 63   | 342192   | 104.368 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.483  | 96   | 215103   | 104.864 | ug/L  | 98       |
| 22) 2-Butanone                | 4.568  | 43   | 308347   | 206.712 | ug/L  | 97       |
| 23) Bromochloromethane        | 4.903  | 128  | 114027   | 106.769 | ug/L  | 97       |
| 25) Chloroform                | 5.092  | 83   | 367180   | 104.242 | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 286451   | 103.051 | ug/L  | 99       |
| 29) Cyclohexane               | 5.458  | 56   | 297726   | 104.873 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 322934   | 105.478 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.672  | 117  | 283925   | 107.873 | ug/L  | 99       |
| 33) Benzene                   | 6.031  | 78   | 752486   | 102.234 | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 204348   | 102.560 | ug/L  | 98       |
| 35) Methylcyclohexane         | 7.379  | 83   | 320008   | 105.673 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 197801   | 103.633 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 262658   | 107.658 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 320378   | 110.185 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 8.580  | 43   | 597899   | 210.790 | ug/L  | 98       |
| 42) Toluene                   | 8.714  | 91   | 819917   | 103.292 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 297283   | 112.251 | ug/L  | 99       |

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041724WMA.M  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 211834   | 102.973 | ug/L  | 99       |
| 46) Tetrachloroethene         | 9.275  | 164  | 196891   | 103.208 | ug/L  | 98       |
| 48) 2-Hexanone                | 9.433  | 43   | 466876   | 211.941 | ug/L  | 98       |
| 49) Dibromochloromethane      | 9.518  | 129  | 231422   | 110.747 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 224561   | 104.805 | ug/L  | 100      |
| 51) Chlorobenzene             | 10.079 | 112  | 564369   | 102.006 | ug/L  | 100      |
| 52) Ethylbenzene              | 10.195 | 91   | 929921   | 105.145 | ug/L  | 98       |
| 53) m,p-Xylene                | 10.299 | 106  | 370055   | 105.694 | ug/L  | 97       |
| 54) o-Xylene                  | 10.640 | 106  | 370168   | 105.567 | ug/L  | 97       |
| 55) Styrene                   | 10.652 | 104  | 627620   | 107.561 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 338643   | 103.102 | ug/L  | 99       |
| 59) Bromoform                 | 10.799 | 173  | 200921   | 111.057 | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 978417   | 103.555 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 258449   | 97.864  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 815753   | 105.739 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 819748   | 106.831 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 499562   | 103.625 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 496273   | 100.913 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 508275   | 101.665 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 72946    | 108.234 | ug/L  | 87       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 394999   | 105.216 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 368735   | 108.917 | ug/L  | 99       |
| 71) Naphthalene               | 13.774 | 128  | 1081191  | 111.269 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 380533   | 107.668 | ug/L  | 100      |

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

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