

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111924\  
 Data File : VX043891.D  
 Acq On : 19 Nov 2024 10:30  
 Operator : JC/MD  
 Sample : VSTD01043  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD010643

Quant Time: Nov 19 23:09:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML111924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 19 23:08:38 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 11/20/2024  
 Supervised By : Mahesh Dadoda 11/20/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.757  | 114  | 323258   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 231014   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018 | 152  | 100980   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.367  | 65   | 24600    | 9.539  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.648  | 69   | 10569    | 9.627  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.294  | 65   | 9973     | 9.622  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.464  | 46   | 29834    | 19.250 | ug/L   | 0.01     |
| 24) Chloroform-d              | 5.050  | 84   | 45757    | 9.575  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.952  | 65   | 31467    | 9.919  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.970  | 84   | 87534    | 11.490 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.305  | 67   | 27111    | 11.775 | ug/L   | 0.00     |
| 41) Toluene-d8                | 8.647  | 98   | 81340    | 12.171 | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.951  | 79   | 10817    | 10.382 | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 9.390  | 63   | 17204    | 20.013 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189 | 84   | 30959    | 10.664 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.317 | 152  | 23321    | 10.880 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85   | 23887    | 9.006  | ug/L   | 98       |
| 3) Chloromethane              | 1.294  | 50   | 25708    | 9.479  | ug/L   | 98       |
| 5) Vinyl chloride             | 1.374  | 62   | 25730    | 9.331  | ug/L   | 94       |
| 6) Bromomethane               | 1.599  | 94   | 10588    | 9.219  | ug/L   | 97       |
| 8) Chloroethane               | 1.666  | 64   | 12798    | 11.038 | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 1.867  | 101  | 33034    | 8.953  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.318  | 101  | 20349    | 9.252  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.306  | 96   | 18941    | 9.457  | ug/L # | 82       |
| 13) Acetone                   | 2.386  | 43   | 27082    | 19.879 | ug/L   | 97       |
| 14) Carbon disulfide          | 2.501  | 76   | 34643    | 8.138  | ug/L # | 94       |
| 15) Methyl Acetate            | 2.703  | 43   | 24917    | 9.777  | ug/L   | 99       |
| 16) Methylene chloride        | 2.782  | 84   | 22511    | 9.585  | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 3.081  | 96   | 20439    | 9.529  | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 3.111  | 73   | 74327    | 9.364  | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.599  | 63   | 40253    | 9.420  | ug/L   | 91       |
| 20) cis-1,2-Dichloroethene    | 4.477  | 96   | 24337    | 9.333  | ug/L   | 90       |
| 22) 2-Butanone                | 4.562  | 43   | 36040m   | 19.708 | ug/L   |          |
| 23) Bromochloromethane        | 4.897  | 128  | 12412    | 9.263  | ug/L   | 83       |
| 25) Chloroform                | 5.086  | 83   | 44764    | 9.592  | ug/L   | 92       |
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 33898    | 9.209  | ug/L # | 95       |
| 29) Cyclohexane               | 5.464  | 56   | 33531    | 11.159 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 33545    | 10.524 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.665  | 117  | 26614    | 10.294 | ug/L   | 97       |
| 33) Benzene                   | 6.031  | 78   | 88448    | 11.453 | ug/L   | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 24258    | 11.446 | ug/L   | 97       |
| 35) Methylcyclohexane         | 7.372  | 83   | 33259    | 11.478 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 23275    | 11.613 | ug/L # | 97       |
| 38) Bromodichloromethane      | 7.818  | 83   | 26657    | 10.605 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 35434    | 11.220 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 8.573  | 43   | 62381    | 22.735 | ug/L   | 98       |
| 42) Toluene                   | 8.714  | 91   | 91845    | 11.802 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 28549    | 10.057 | ug/L   | 100      |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD010643

Manual Integrations  
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Quant Time: Nov 19 23:09:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM111924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 19 23:08:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 21115    | 10.713 | ug/L  | 93       |
| 46) Tetrachloroethene         | 9.268  | 164  | 13935    | 10.091 | ug/L  | 94       |
| 48) 2-Hexanone                | 9.433  | 43   | 43775    | 21.137 | ug/L  | 96       |
| 49) Dibromochloromethane      | 9.518  | 129  | 16422    | 9.013  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 21303    | 10.261 | ug/L  | 93       |
| 51) Chlorobenzene             | 10.079 | 112  | 49081    | 10.167 | ug/L  | 98       |
| 52) Ethylbenzene              | 10.195 | 91   | 83634    | 10.196 | ug/L  | 97       |
| 53) m,p-Xylene                | 10.299 | 106  | 31568    | 10.362 | ug/L  | 96       |
| 54) o-Xylene                  | 10.640 | 106  | 33359    | 10.876 | ug/L  | 97       |
| 55) Styrene                   | 10.652 | 104  | 51805    | 10.203 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 30316    | 10.276 | ug/L  | 98       |
| 59) Bromoform                 | 10.799 | 173  | 10192    | 9.008  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 85895    | 10.794 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 24945    | 10.842 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 64967    | 10.333 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 63603    | 10.146 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 33922    | 10.160 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 33659    | 10.153 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 37577    | 10.870 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 5631     | 9.779  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 21388    | 9.928  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 18045    | 9.084  | ug/L  | 98       |
| 71) Naphthalene               | 13.774 | 128  | 67516    | 9.137  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 19098    | 9.542  | ug/L  | 98       |
| -----                         |        |      |          |        |       |          |

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

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