

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092120\  
 Data File : VX018512.D  
 Acq On : 21 Sep 2020 13:32  
 Operator : JC/SP  
 Sample : VSTD20035  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD200405

Quant Time: Sep 22 01:07:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXLM092120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 22 00:58:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 673382   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 644417   | 50.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 353988   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |      |       |
|--------------------------------|-------|-----|---------|--------|------|-------|
| 4) Vinyl Chloride-d3           | 1.39  | 65  | 904738  | 196.59 | ug/L | 0.00  |
| 7) Chloroethane-d5             | 1.68  | 69  | 663143  | 193.03 | ug/L | -0.01 |
| 11) 1,1-Dichloroethene-d2      | 2.34  | 63  | 1829524 | 192.90 | ug/L | 0.00  |
| 21) 2-Butanone-d5              | 4.53  | 46  | 1241257 | 392.78 | ug/L | 0.00  |
| 24) Chloroform-d               | 5.14  | 84  | 1778449 | 196.76 | ug/L | 0.00  |
| 26) 1,2-Dichloroethane-d4      | 6.03  | 65  | 1234632 | 186.41 | ug/L | 0.00  |
| 32) Benzene-d6                 | 6.06  | 84  | 3354593 | 189.39 | ug/L | 0.00  |
| 36) 1,2-Dichloropropane-d6     | 7.37  | 67  | 1055982 | 193.64 | ug/L | 0.00  |
| 41) Toluene-d8                 | 8.70  | 98  | 3279699 | 193.17 | ug/L | 0.00  |
| 43) trans-1,3-Dichloropropene- | 8.99  | 79  | 628828  | 198.11 | ug/L | 0.00  |
| 47) 2-Hexanone-d5              | 9.43  | 63  | 973245  | 404.61 | ug/L | 0.00  |
| 56) 1,1,2,2-Tetrachloroethane- | 11.23 | 84  | 1421631 | 195.19 | ug/L | 0.00  |
| 66) 1,2-Dichlorobenzene-d4     | 12.36 | 152 | 1322955 | 188.13 | ug/L | 0.00  |

## Target Compounds

|                                |      |     |         |         |        | Qvalue |
|--------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85  | 1133424 | 195.775 | ug/L   | 100    |
| 3) Chloromethane               | 1.31 | 50  | 889501  | 203.814 | ug/L   | 99     |
| 5) Vinyl chloride              | 1.39 | 62  | 977763  | 197.866 | ug/L   | 99     |
| 6) Bromomethane                | 1.62 | 94  | 553533  | 214.437 | ug/L   | 94     |
| 8) Chloroethane                | 1.70 | 64  | 559613  | 189.829 | ug/L   | 100    |
| 9) Trichlorofluoromethane      | 1.91 | 101 | 1623861 | 193.787 | ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.36 | 101 | 877932  | 191.908 | ug/L   | 99     |
| 12) 1,1-Dichloroethene         | 2.36 | 96  | 834570  | 193.474 | ug/L   | 85     |
| 13) Acetone                    | 2.42 | 43  | 827431  | 382.540 | ug/L   | 99     |
| 14) Carbon disulfide           | 2.55 | 76  | 2561998 | 193.649 | ug/L   | 100    |
| 15) Methyl Acetate             | 2.75 | 43  | 933207  | 197.871 | ug/L # | 90     |
| 16) Methylene chloride         | 2.83 | 84  | 894391  | 192.110 | ug/L   | 99     |
| 17) trans-1,2-Dichloroethene   | 3.14 | 96  | 880307  | 196.199 | ug/L   | 97     |
| 18) Methyl tert-butyl Ether    | 3.17 | 73  | 2967041 | 199.441 | ug/L   | 100    |
| 19) 1,1-Dichloroethane         | 3.67 | 63  | 1649573 | 195.680 | ug/L   | 99     |
| 20) cis-1,2-Dichloroethene     | 4.56 | 96  | 985566  | 202.843 | ug/L # | 99     |
| 22) 2-Butanone                 | 4.64 | 43  | 1339359 | 393.150 | ug/L   | 99     |
| 23) Bromochloromethane         | 4.98 | 128 | 528610  | 192.142 | ug/L   | 97     |
| 25) Chloroform                 | 5.18 | 83  | 1753405 | 184.916 | ug/L   | 100    |
| 27) 1,2-Dichloroethane         | 6.17 | 62  | 1462515 | 191.471 | ug/L   | 99     |
| 29) Cyclohexane                | 5.55 | 56  | 1481372 | 203.393 | ug/L   | 99     |
| 30) 1,1,1-Trichloroethane      | 5.46 | 97  | 1702524 | 194.478 | ug/L   | 99     |
| 31) Carbon tetrachloride       | 5.76 | 117 | 1575108 | 196.598 | ug/L   | 99     |
| 33) Benzene                    | 6.12 | 78  | 3585731 | 192.676 | ug/L   | 100    |
| 34) Trichloroethene            | 7.19 | 95  | 1005752 | 198.023 | ug/L   | 98     |
| 35) Methylcyclohexane          | 7.45 | 83  | 1525019 | 199.846 | ug/L   | 99     |
| 37) 1,2-Dichloropropane        | 7.49 | 63  | 959757  | 199.226 | ug/L   | 99     |
| 38) Bromodichloromethane       | 7.88 | 83  | 1367010 | 195.153 | ug/L   | 99     |
| 39) cis-1,3-Dichloropropene    | 8.42 | 75  | 1615917 | 202.117 | ug/L   | 100    |
| 40) 4-Methyl-2-pentanone       | 8.62 | 43  | 2684179 | 400.231 | ug/L   | 99     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                    | 8.77  | 91   | 3958929  | 193.828 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene  | 9.02  | 75   | 1667979  | 206.880 | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane      | 9.20  | 97   | 916323   | 190.090 | ug/L  | 99       |
| 46) Tetrachloroethene          | 9.32  | 164  | 807441   | 190.987 | ug/L  | 97       |
| 48) 2-Hexanone                 | 9.48  | 43   | 2128841  | 408.279 | ug/L  | 99       |
| 49) Dibromochloromethane       | 9.57  | 129  | 1201478  | 200.190 | ug/L  | 96       |
| 50) 1,2-Dibromoethane          | 9.65  | 107  | 1048469  | 200.980 | ug/L  | 96       |
| 51) Chlorobenzene              | 10.12 | 112  | 2606999  | 192.880 | ug/L  | 96       |
| 52) Ethylbenzene               | 10.24 | 91   | 4516880  | 199.870 | ug/L  | 99       |
| 53) m,p-Xylene                 | 10.34 | 106  | 1730724  | 196.371 | ug/L  | 98       |
| 54) o-Xylene                   | 10.68 | 106  | 1691504  | 198.194 | ug/L  | 99       |
| 55) Styrene                    | 10.70 | 104  | 2939550  | 201.720 | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 1430988  | 195.951 | ug/L  | 100      |
| 59) Bromoform                  | 10.84 | 173  | 937068   | 196.545 | ug/L  | 97       |
| 60) Isopropylbenzene           | 11.01 | 105  | 4568572  | 194.412 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane     | 11.28 | 75   | 1214488  | 193.744 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 3951162  | 202.770 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 4031417  | 201.454 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene        | 12.01 | 146  | 2225081  | 198.291 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene        | 12.08 | 146  | 2179471  | 191.530 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene        | 12.38 | 146  | 2095924  | 192.791 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 378484   | 202.101 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 1480062  | 204.492 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene     | 13.63 | 180  | 1432279  | 216.777 | ug/L  | 98       |
| 71) Naphthalene                | 13.82 | 128  | 4670171  | 208.171 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 1392118  | 197.761 | ug/L  | 99       |

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

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