

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060823\  
 Data File : VX036092.D  
 Acq On : 08 Jun 2023 23:42  
 Operator : JC/MD  
 Sample : 03097-03MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EZEN4MSD

Quant Time: Jun 09 02:25:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML060623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 07 05:37:48 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 293680   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 276247   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 136757   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 91981    | 46.099   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 92.200%  |
| 7) Chloroethane-d5            | 1.672   | 69    | 78238    | 51.127   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 102.260% |
| 11) 1,1-Dichloroethene-d2     | 2.307   | 65    | 47935    | 47.383   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.760%  |
| 21) 2-Butanone-d5             | 4.471   | 46    | 170886   | 104.486  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 104.490% |
| 24) Chloroform-d              | 5.056   | 84    | 220882   | 53.088   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 106.180% |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 161242   | 53.109   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 106.220% |
| 32) Benzene-d6                | 5.970   | 84    | 412003   | 49.578   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.160%  |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 132788   | 51.409   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 102.820% |
| 41) Toluene-d8                | 8.647   | 98    | 380914   | 49.802   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.600%  |
| 43) trans-1,3-Dichloroprop... | 8.946   | 79    | 61694    | 49.758   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.520%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 121557   | 105.686  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 105.690% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 183587   | 52.035   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 104.080% |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 134595   | 50.692   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.380% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 127464   | 45.573   | ug/L   | 98       |
| 3) Chloromethane              | 1.295   | 50    | 125977   | 47.805   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.374   | 62    | 119779   | 49.038   | ug/L   | 99       |
| 6) Bromomethane               | 1.618   | 94    | 71928    | 50.545   | ug/L   | 99       |
| 8) Chloroethane               | 1.691   | 64    | 74737    | 51.582   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.892   | 101   | 166489   | 48.458   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331   | 101   | 103155   | 46.001   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.319   | 96    | 95544    | 48.959   | ug/L   | 94       |
| 13) Acetone                   | 2.404   | 43    | 117266   | 67.862   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.514   | 76    | 252122   | 47.077   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.709   | 43    | 130219   | 48.706   | ug/L   | 99       |
| 16) Methylene chloride        | 2.788   | 84    | 115053   | 51.343   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.093   | 96    | 102492   | 49.020   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 390306   | 52.466   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.611   | 63    | 216306   | 51.891   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.489   | 96    | 121620   | 50.697   | ug/L   | 98       |
| 22) 2-Butanone                | 4.574   | 43    | 182002   | 88.184   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.898   | 128   | 60090    | 50.467   | ug/L   | 97       |
| 25) Chloroform                | 5.093   | 83    | 233651   | 51.528   | ug/L   | 96       |

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 Sample : 03097-03MSD  
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 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EZEN4MSD

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 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 07 05:37:48 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 202222   | 52.268  | ug/L  | 100      |
| 29) Cyclohexane               | 5.471  | 56   | 174310   | 45.429  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 191833   | 50.110  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 157069   | 49.405  | ug/L  | 99       |
| 33) Benzene                   | 6.038  | 78   | 457484   | 49.708  | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 125127   | 50.479  | ug/L  | 95       |
| 35) Methylcyclohexane         | 7.379  | 83   | 160054   | 43.985  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 7.428  | 63   | 123920   | 51.302  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.824  | 83   | 160037   | 51.391  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 191603   | 50.769  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 372895   | 102.504 | ug/L  | 100      |
| 42) Toluene                   | 8.720  | 91   | 485454   | 50.715  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 181937   | 51.483  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 119414   | 50.513  | ug/L  | 99       |
| 46) Tetrachloroethene         | 9.275  | 164  | 80634    | 46.518  | ug/L  | 97       |
| 48) 2-Hexanone                | 9.427  | 43   | 282258   | 98.330  | ug/L  | 99       |
| 49) Dibromochloromethane      | 9.519  | 129  | 116288   | 51.845  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 129191   | 51.718  | ug/L  | 96       |
| 51) Chlorobenzene             | 10.079 | 112  | 310598   | 49.320  | ug/L  | 100      |
| 52) Ethylbenzene              | 10.195 | 91   | 556183   | 50.450  | ug/L  | 99       |
| 53) m,p-Xylene                | 10.299 | 106  | 205102   | 49.057  | ug/L  | 99       |
| 54) o-Xylene                  | 10.640 | 106  | 203201   | 49.724  | ug/L  | 97       |
| 55) Styrene                   | 10.653 | 104  | 351277   | 50.578  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 191295   | 51.482  | ug/L  | 99       |
| 59) Bromoform                 | 10.799 | 173  | 74145    | 51.856  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 538349   | 51.422  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 150848   | 51.579  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 448265   | 51.480  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 412196   | 51.155  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 226480   | 49.956  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 230215   | 49.644  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 226093   | 51.051  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 38625    | 52.295  | ug/L  | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 130102   | 46.885  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 120800   | 47.657  | ug/L  | 100      |
| 71) Naphthalene               | 13.774 | 128  | 430902   | 51.688  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 121983   | 48.397  | ug/L  | 99       |

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

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