

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072024\  
 Data File : VX042432.D  
 Acq On : 20 Jul 2024 02:57  
 Operator : JC/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050750

Quant Time: Jul 20 05:15:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML070324WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 20 01:45:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 277520   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 250491   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 131271   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 61425    | 38.026   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 76.060%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 37554    | 36.924   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 73.840%  |
| 11) 1,1-Dichloroethene-d2     | 2.300   | 65    | 32688    | 46.237   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.480%  |
| 21) 2-Butanone-d5             | 4.465   | 46    | 108817   | 93.479   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 93.480%  |
| 24) Chloroform-d              | 5.056   | 84    | 151589   | 46.673   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.340%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 88960    | 46.405   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.800%  |
| 32) Benzene-d6                | 5.970   | 84    | 309732   | 47.838   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.680%  |
| 36) 1,2-Dichloropropane-d6    | 7.305   | 67    | 93835    | 48.158   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.320%  |
| 41) Toluene-d8                | 8.647   | 98    | 281211   | 46.607   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.220%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 36009    | 42.760   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 85.520%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 81672    | 92.342   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 92.340%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 131246   | 45.561   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 91.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 116590   | 45.727   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.460%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 88434    | 44.550   | ug/L   | 99       |
| 3) Chloromethane              | 1.294   | 50    | 86417    | 43.079   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.374   | 62    | 79405    | 40.245   | ug/L   | 100      |
| 6) Bromomethane               | 1.599   | 94    | 36161    | 33.635   | ug/L   | 98       |
| 8) Chloroethane               | 1.666   | 64    | 39371    | 40.033   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.874   | 101   | 104376   | 40.647   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319   | 101   | 84458    | 47.725   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.312   | 96    | 78280    | 46.699   | ug/L   | 84       |
| 13) Acetone                   | 2.386   | 43    | 78444    | 98.781   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.508   | 76    | 160949   | 38.595   | ug/L   | 98       |
| 15) Methyl Acetate            | 2.709   | 43    | 100141   | 49.631   | ug/L   | 98       |
| 16) Methylene chloride        | 2.788   | 84    | 89172    | 43.117   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.087   | 96    | 79355    | 46.027   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.117   | 73    | 279329   | 49.545   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.605   | 63    | 155117   | 50.103   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.483   | 96    | 97516    | 48.145   | ug/L   | 99       |
| 22) 2-Butanone                | 4.562   | 43    | 132120   | 99.392   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.903   | 128   | 50339    | 46.504   | ug/L   | 97       |
| 25) Chloroform                | 5.092   | 83    | 161539   | 49.764   | ug/L   | 99       |

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 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050750

Quant Time: Jul 20 05:15:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML070324WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 20 01:45:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 119785   | 49.793  | ug/L  | 99       |
| 29) Cyclohexane               | 5.464  | 56   | 131264   | 48.488  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 135383   | 49.643  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.672  | 117  | 116670   | 48.977  | ug/L  | 100      |
| 33) Benzene                   | 6.037  | 78   | 349486   | 49.893  | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 88338    | 48.144  | ug/L  | 97       |
| 35) Methylcyclohexane         | 7.379  | 83   | 133017   | 47.811  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 92665    | 51.558  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.824  | 83   | 109096   | 49.569  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 123548   | 46.685  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 260606   | 101.658 | ug/L  | 98       |
| 42) Toluene                   | 8.720  | 91   | 367721   | 49.198  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 112939   | 47.599  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 95730    | 49.780  | ug/L  | 96       |
| 46) Tetrachloroethene         | 9.275  | 164  | 84062    | 48.945  | ug/L  | 99       |
| 48) 2-Hexanone                | 9.433  | 43   | 196600   | 97.657  | ug/L  | 98       |
| 49) Dibromochloromethane      | 9.518  | 129  | 93306    | 47.641  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 100058   | 48.446  | ug/L  | 99       |
| 51) Chlorobenzene             | 10.079 | 112  | 244923   | 47.736  | ug/L  | 99       |
| 52) Ethylbenzene              | 10.195 | 91   | 394402   | 48.558  | ug/L  | 100      |
| 53) m,p-Xylene                | 10.299 | 106  | 155940   | 47.698  | ug/L  | 99       |
| 54) o-Xylene                  | 10.640 | 106  | 157884   | 48.346  | ug/L  | 98       |
| 55) Styrene                   | 10.652 | 104  | 264987   | 48.697  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 149935   | 48.577  | ug/L  | 99       |
| 59) Bromoform                 | 10.799 | 173  | 76770    | 46.656  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 406948   | 49.514  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 115640   | 49.610  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 305544   | 48.890  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 327387   | 48.880  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 196110   | 47.579  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 196778   | 47.196  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 205060   | 48.330  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 28412    | 47.615  | ug/L  | 85       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 141332   | 47.192  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 120525   | 44.247  | ug/L  | 99       |
| 71) Naphthalene               | 13.774 | 128  | 389203   | 46.220  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 119329   | 41.457  | ug/L  | 99       |

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

