

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU050322\  
 Data File : VU048402.D  
 Acq On : 03 May 2022 19:53  
 Operator : SY/MD  
 Sample : N2668-06MSD  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXL67MSD

Quant Time: May 04 01:42:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM042522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 04 01:37:47 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|------------|----------|
| -----                         |         |       |          |          |            |          |
| Internal Standards            |         |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 424700   | 50.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 435556   | 50.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 250134   | 50.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |         |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 199317   | 51.036   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | = 102.080% |          |
| 7) Chloroethane-d5            | 1.890   | 69    | 147175   | 53.687   | ug/L       | -0.01    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | = 107.380% |          |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 291655   | 46.608   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | = 93.220%  |          |
| 21) 2-Butanone-d5             | 4.620   | 46    | 307617   | 92.351   | ug/L       | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | = 92.350%  |          |
| 24) Chloroform-d              | 5.063   | 84    | 338371   | 47.767   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | = 95.540%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 201447   | 47.929   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | = 95.860%  |          |
| 32) Benzene-d6                | 5.726   | 84    | 701081   | 51.037   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | = 102.080% |          |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 226355   | 49.842   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | = 99.680%  |          |
| 41) Toluene-d8                | 7.899   | 98    | 654015   | 52.525   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | = 105.040% |          |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 99485    | 49.645   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | = 99.280%  |          |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 241085   | 98.393   | ug/L       | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | = 98.390%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 393695   | 49.429   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | = 98.860%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 282648   | 50.232   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | = 100.460% |          |
| Target Compounds              |         |       |          |          |            |          |
|                               |         |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 119379   | 37.200   | ug/L       | 99       |
| 3) Chloromethane              | 1.520   | 50    | 130512   | 35.532   | ug/L       | 99       |
| 5) Vinyl chloride             | 1.604   | 62    | 148684   | 40.169   | ug/L       | 96       |
| 6) Bromomethane               | 1.832   | 94    | 61333    | 36.054   | ug/L       | 97       |
| 8) Chloroethane               | 1.916   | 64    | 91481    | 43.710   | ug/L       | 100      |
| 9) Trichlorofluoromethane     | 2.128   | 101   | 210700   | 43.679   | ug/L       | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578   | 101   | 137154   | 42.870   | ug/L       | 99       |
| 12) 1,1-Dichloroethene        | 2.575   | 96    | 119606   | 42.829   | ug/L       | 86       |
| 13) Acetone                   | 2.623   | 43    | 169749   | 79.381   | ug/L       | 100      |
| 14) Carbon disulfide          | 2.790   | 76    | 237612   | 34.911   | ug/L       | 98       |
| 15) Methyl Acetate            | 2.944   | 43    | 157610   | 37.129   | ug/L       | 98       |
| 16) Methylene chloride        | 3.044   | 84    | 163635   | 45.449   | ug/L       | 98       |
| 17) trans-1,2-Dichloroethene  | 3.350   | 96    | 127650   | 44.000   | ug/L       | 94       |
| 18) Methyl tert-butyl Ether   | 3.362   | 73    | 477258   | 49.859   | ug/L       | 99       |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 274086   | 45.179   | ug/L       | 98       |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 168242   | 48.110   | ug/L       | 92       |
| 22) 2-Butanone                | 4.700   | 43    | 286292   | 90.538   | ug/L       | 96       |
| 23) Bromochloromethane        | 4.973   | 128   | 92887    | 47.576   | ug/L       | 95       |
| 25) Chloroform                | 5.089   | 83    | 314171   | 50.714   | ug/L       | 99       |

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 Sample : N2668-06MSD  
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 ALS Vial : 23 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : VOC Analysis  
 QLast Update : Wed May 04 01:37:47 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 209142   | 46.284  | ug/L  | 98       |
| 29) Cyclohexane               | 5.388  | 56   | 177194   | 43.058  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 237306   | 48.180  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 195750   | 46.629  | ug/L  | 100      |
| 33) Benzene                   | 5.774  | 78   | 616786   | 47.829  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 149040   | 47.152  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.764  | 83   | 197439   | 44.491  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 175642   | 47.872  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 224961   | 48.551  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 248616   | 48.188  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 566464   | 102.363 | ug/L  | 98       |
| 42) Toluene                   | 7.970  | 91   | 668036   | 49.341  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 241220   | 47.859  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 189754   | 49.294  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.552  | 164  | 139864   | 51.558  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.687  | 43   | 485387   | 105.036 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.812  | 129  | 202811   | 47.946  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 191196   | 48.979  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.449  | 112  | 466072   | 47.758  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 702167   | 50.078  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 279704   | 50.550  | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 290150   | 52.052  | ug/L  | 99       |
| 55) Styrene                   | 10.115 | 104  | 503198   | 52.991  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 384664   | 50.631  | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 177392   | 48.867  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 289037   | 49.533  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 736682   | 52.674  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 390065   | 52.916  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 617422   | 54.479  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 390546   | 49.809  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 388503   | 48.534  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 415734   | 50.331  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 76403    | 49.047  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 287848   | 49.404  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 239398   | 52.009  | ug/L  | 99       |
| 71) Naphthalene               | 14.086 | 128  | 771087   | 58.536  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 254283   | 53.904  | ug/L  | 99       |

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

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