

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\  
 Data File : VU025945.D  
 Acq On : 07 Aug 2018 17:22  
 Operator : MD/SY  
 Sample : J4363-04  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A4ZA8

Manual Integrations  
 APPROVED

apatel  
 8/9/2018 3:52:14 PM

Quant Time: Aug 09 02:11:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 07 12:44:32 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 364215   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.10  | 117  | 353183   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 219084   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 98809    | 48.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.92%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 76855    | 50.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 101.56% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 140884   | 36.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.08%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 155991   | 112.33   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 112.33% |
| 24) Chloroform-d               | 4.65    | 84    | 193960   | 49.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.28%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 132290   | 51.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.60% |
| 32) Benzene-d6                 | 5.35    | 84    | 389312   | 50.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.02% |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 121278   | 50.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.22% |
| 41) Toluene-d8                 | 7.57    | 98    | 367841   | 48.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 64019    | 50.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 100.88% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 110422   | 109.63   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 109.63% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 172464   | 51.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.88% |
| 64) 1,2-Dichlorobenzene-d4     | 11.88   | 152   | 184738   | 51.04    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.08% |

## Target Compounds

| Target Compounds           | R.T.  | QIon | Response  | Conc    | Units | Ovalue |
|----------------------------|-------|------|-----------|---------|-------|--------|
| 13) Acetone                | 2.32  | 43   | 136254    | 82.88   | ug/L  | 99     |
| 22) 2-Butanone             | 4.27  | 43   | 55749     | 27.12   | ug/L  | 99     |
| 33) Benzene                | 5.39  | 78   | 15891m    | 1.72    | ug/L  |        |
| 40) 4-Methyl-2-pentanone   | 7.47  | 43   | 5986      | 1.78    | ug/L  | 96     |
| 42) Toluene                | 7.64  | 91   | 819105    | 81.30   | ug/L  | 99     |
| 51) Chlorobenzene          | 9.13  | 112  | 15461517m | 2241.20 | ug/L  |        |
| 52) Ethylbenzene           | 9.26  | 91   | 37485     | 3.27    | ug/L  | 98     |
| 62) 1,3-Dichlorobenzene    | 11.42 | 146  | 2335599   | 356.33  | ug/L  | 99     |
| 63) 1,4-Dichlorobenzene    | 11.52 | 146  | 18208938m | 2726.78 | ug/L  |        |
| 65) 1,2-Dichlorobenzene    | 11.89 | 146  | 21046117m | 3202.26 | ug/L  |        |
| 68) 1,2,4-trichlorobenzene | 13.52 | 180  | 27831048m | 6639.41 | ug/L  |        |
| 70) 1,2,3-Trichlorobenzene | 14.00 | 180  | 11337006  | 2639.75 | ug/L  | 100    |

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

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