

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011320\  
 Data File : VU036441.D  
 Acq On : 13 Jan 2020 17:23  
 Operator : JC/MD  
 Sample : L1090-09  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETOQ5

Quant Time: Jan 15 14:54:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 14 16:20:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 454942   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 425387   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 165136   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 109549   | 30.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 61.80%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 110321   | 36.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 73.78%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 181138   | 29.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.98%# |
| 21) 2-Butanone-d5              | 4.68    | 46    | 255418   | 96.75    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.75%  |
| 24) Chloroform-d               | 5.11    | 84    | 272229   | 44.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 191343   | 46.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.28%  |
| 32) Benzene-d6                 | 5.77    | 84    | 542936   | 45.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.68%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 183713   | 46.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.52%  |
| 41) Toluene-d8                 | 7.93    | 98    | 509298   | 44.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.60%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 93793    | 43.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.04%  |
| 47) 2-Hexanone-d5              | 8.67    | 63    | 180375   | 88.05    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.05%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 273353   | 45.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 158083   | 45.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.28%  |

| Target Compounds |      |    |      |            | Ovalue |
|------------------|------|----|------|------------|--------|
| 13) Acetone      | 2.66 | 43 | 5205 | 1.901 ug/L | 73     |

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

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