

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU091619\  
 Data File : VU034568.D  
 Acq On : 16 Sep 2019 16:35  
 Operator : JC/SP  
 Sample : K4838-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0MC3

Manual Integrations  
 APPROVED

MMDadoda  
 9/17/2019 11:54:33 AM

Quant Time: Sep 17 04:12:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 17 02:36:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 313252   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 291654   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 120372   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 77941    | 51.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 103.14% |
| 7) Chloroethane-d5             | 1.67    | 69    | 63558    | 54.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 109.36% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 121321m  | 39.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.46%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 199546   | 117.10   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 117.10% |
| 24) Chloroform-d               | 4.62    | 84    | 181057   | 52.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.54% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 110579   | 52.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.64% |
| 32) Benzene-d6                 | 5.32    | 84    | 345476   | 53.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.74% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 131504   | 55.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 110.18% |
| 41) Toluene-d8                 | 7.54    | 98    | 327177   | 52.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.10% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 61543    | 54.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 108.08% |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 139493   | 107.72   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 107.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 196145   | 52.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 105.16% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 121923   | 56.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 113.56% |

| Target Compounds    |      |    |      |            | Qvalue |
|---------------------|------|----|------|------------|--------|
| 34) Trichloroethene | 6.17 | 95 | 9141 | 4.960 ug/L | 90     |

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

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