

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101419\  
 Data File : VU035149.D  
 Acq On : 14 Oct 2019 14:45  
 Operator : JC/SP  
 Sample : K5311-04MS  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 P0002-STEELE-191007-01MS

Quant Time: Oct 15 07:52:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 15 07:04:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.87  | 114  | 159394   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 168803   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 61273    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 47209    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 100.20% |
| 7) Chloroethane-d5             | 1.68   | 69    | 47171    | 5.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 107.20% |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 71910    | 3.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.40%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 166451   | 59.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.98% |
| 24) Chloroform-d               | 4.62   | 84    | 88727    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.80% |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 57088    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.20% |
| 32) Benzene-d6                 | 5.32   | 84    | 185823   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 65971    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.80%  |
| 41) Toluene-d8                 | 7.55   | 98    | 154379   | 4.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.60%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 21363    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.80%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 118571   | 52.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 104.70% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 60731    | 5.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 109.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 55685    | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.80% |

## Target Compounds

|                              |      |     |       |            | Ovalue |
|------------------------------|------|-----|-------|------------|--------|
| 2) Dichlorodifluoromethane   | 1.21 | 85  | 8431  | 0.579 ug/L | 99     |
| 3) Chloromethane             | 1.32 | 50  | 2829  | 0.177 ug/L | 83     |
| 13) Acetone                  | 2.31 | 43  | 6159  | 2.710 ug/L | 95     |
| 17) Methyl tert-butyl Ether  | 2.99 | 73  | 8420  | 0.301 ug/L | 96     |
| 18) trans-1,2-Dichloroethene | 2.96 | 96  | 898   | 0.082 ug/L | 92     |
| 22) cis-1,2-Dichloroethene   | 4.20 | 96  | 43652 | 3.570 ug/L | 98     |
| 34) Trichloroethene          | 6.16 | 95  | 40108 | 3.059 ug/L | 96     |
| 47) Tetrachloroethene        | 8.21 | 164 | 43892 | 4.135 ug/L | 99     |

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

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