

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\  
 Data File : VU035117.D  
 Acq On : 12 Oct 2019 03:16  
 Operator : JC/SP  
 Sample : K5309-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 RB-2-191003-01

Manual Integrations  
 APPROVED

MMDadoda  
 10/15/2019 6:05:58 AM

Quant Time: Oct 14 01:30:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Oct 14 01:16:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 168191   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 179236   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 68273    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 51571    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 103.80% |
| 7) Chloroethane-d5             | 1.68   | 69    | 48568    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.60% |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 75416    | 3.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.00%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 149525   | 51.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.14% |
| 24) Chloroform-d               | 4.62   | 84    | 90483    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 58125    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 32) Benzene-d6                 | 5.32   | 84    | 190398   | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 65968    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.00%  |
| 41) Toluene-d8                 | 7.55   | 98    | 165690   | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.60%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 19302    | 3.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 76.40%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 111058   | 46.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 92.36%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 56982    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 58132    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.00% |

## Target Compounds

|                            |      |     |        |              | Ovalue |
|----------------------------|------|-----|--------|--------------|--------|
| 13) Acetone                | 2.31 | 43  | 19645  | 8.192 ug/L   | 90     |
| 14) Carbon disulfide       | 2.47 | 76  | 7444   | 0.207 ug/L # | 92     |
| 16) Methylene chloride     | 2.68 | 84  | 1862   | 0.139 ug/L   | 90     |
| 22) cis-1,2-Dichloroethene | 4.20 | 96  | 3696m  | 0.286 ug/L   |        |
| 34) Trichloroethene        | 6.17 | 95  | 5273   | 0.379 ug/L   | 95     |
| 42) Toluene                | 7.62 | 91  | 27044  | 0.480 ug/L   | 100    |
| 47) Tetrachloroethene      | 8.21 | 164 | 151183 | 13.414 ug/L  | 96     |

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

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