

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV090618\  
 Data File : VV007436.D  
 Acq On : 06 Sep 2018 22:02  
 Operator : SY/MD  
 Sample : J4719-17 10X  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEGF3

Quant Time: Sep 12 03:40:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 07 01:29:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 508016   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 512248   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 185640   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 159085   | 43.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.68%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 123459   | 51.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 103.88% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 208223   | 32.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.14%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 171988   | 58.27    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 58.27%  |
| 24) Chloroform-d               | 4.41    | 84    | 315506   | 42.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.06%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 199160   | 43.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.96%  |
| 32) Benzene-d6                 | 5.10    | 84    | 630907   | 40.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.74%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 212218   | 41.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 82.04%  |
| 41) Toluene-d8                 | 7.36    | 98    | 506739   | 38.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 76.26%# |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 58047    | 26.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 52.68%# |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 145274   | 71.63    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 71.63%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 287460   | 40.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.36%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 185191   | 46.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.84%  |

| Target Compounds      |      |     |        |              | Ovalue |
|-----------------------|------|-----|--------|--------------|--------|
| 34) Trichloroethene   | 5.96 | 95  | 19120  | 4.780 ug/L   | 97     |
| 46) Tetrachloroethene | 8.02 | 164 | 474637 | 147.571 ug/L | 98     |

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

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