

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090618\  
 Data File : VV007422.D  
 Acq On : 06 Sep 2018 16:11  
 Operator : SY/MD  
 Sample : J4719-01  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEGD7

Quant Time: Sep 07 01:51:20 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  | 540916   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 536155   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 201384   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 145841   | 37.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 75.50%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 123104   | 48.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.28%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 207441   | 30.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.96%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 211074   | 67.16    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 67.16%  |
| 24) Chloroform-d               | 4.41    | 84    | 327435   | 40.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.94%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 207082   | 42.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.90%  |
| 32) Benzene-d6                 | 5.10    | 84    | 649661   | 40.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 223208   | 41.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 82.44%  |
| 41) Toluene-d8                 | 7.36    | 98    | 528920   | 38.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 76.04%# |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 89512    | 38.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.62%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 151308   | 71.28    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 71.28%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 305094   | 41.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 82.50%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 199922   | 46.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.38%  |

| Target Compounds           |      |     |       |       |      | Ovalue |
|----------------------------|------|-----|-------|-------|------|--------|
| 13) Acetone                | 2.20 | 43  | 80804 | 43.18 | ug/L | 99     |
| 20) cis-1,2-Dichloroethene | 3.96 | 96  | 7195  | 1.68  | ug/L | 89     |
| 22) 2-Butanone             | 4.05 | 43  | 6968  | 2.22  | ug/L | 77     |
| 46) Tetrachloroethene      | 8.02 | 164 | 4334  | 1.29  | ug/L | 96     |

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

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